



National Archives and Records Administration (NARA) Electronic Records Archives (ERA)

System Requirements Specification (SyRS) CDRL 01

December 08, 2005

Status: Final

Document Number: NARA-2005-0200

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Contract Number: NAMA-04-C-0007



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Change History

Change Contact	Date	Submission
Fred Robinson	15 December 2004	Initial Issue
Fred Robinson	13 April 2005	Final Issue (for System Design Review)
Fred Robinson	08 December 2005	Administrative update subsequent to Increment 1 Delta SRR



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Preface

This document was prepared by Lockheed Martin Transportation and Security Solutions (LMTSS) for the National Archives and Records Administration (NARA) Electronic Records Archives Program Office per the ERA Performance Work Statement (PWS) dated June 9, 2004. It conforms to Data Item Description (DID) 3.1 specified in the Lockheed Martin ERA Proposal, Appendix B Contract Data Requirements List.

DID traceability is documented in Table 2 and SOW compliance is documented in Table 3.

Table 2 - DID Traceability Matrix		
Para No.	DID Paragraph Title	Document Section
3.1.1	Scope Includes Identification, System Overview and Document overview.	1. Introduction
3.1.2	System Requirements Lists individual high level requirements describing the intended functions, performance, constraints and quality metrics for the system	3. Requirements Appendices
3.1.3	NARA RD Traceability Matrix Includes mappings from NARA supplied RD to SyRS, and from SyRS to RD. Includes identification of the softcopy deliverable System Requirements (SyRS) extract in Rational Requisite Pro compatible format	Appendices
3.1.4	Test Method Table (e.g. Inspection, Analysis, Demonstration, Test) A matrix showing the intended method for verification of each of the requirements in the completed system.	3. Requirements Appendices

Table 3 - SOW Compliance Matrix		
Para No.	SOW Paragraph Title	PP Section
3200A	System Functional Requirements	Entire Document



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1. INTRODUCTION

1.1 Purpose

The Electronic Records Archives (ERA) System is intended to authentically preserve any type of electronic record, created using any application on any computing platform delivered electronically and on any digital media, from any entity in the Federal Government and any donor, and to provide discovery and delivery to anyone with an interest and legal right of access, now and for the life of the republic.

The delivered system will be an integrated system of commercial off the shelf (COTS) products to the maximum extent possible. ERA will subsume the functionality of other specified NARA legacy systems with appropriate legacy interfaces support through the transition of functionality to ERA. Systems external to ERA will be defined and supported as specified, and provisions will be made to retire external interfaces as system evolution renders them obsolete.

1.2 Scope

This specification establishes the system functional baseline requirements for the ERA solution for the National Archives and Records Administration (NARA) as developed by the Lockheed Martin Team. For brevity, this system is called ERA, and this document is called the ERA System Requirements Specification (SyRS). This SyRS document establishes the system-level requirements for ERA. These requirements and their attributes as presented in the SyRS were extracted from the DOORS[®] requirements management tool. The DOORS output has also been imported to a copy of the ERA PMO Requisite Pro database, which has also been delivered to the Government.

The requirements in this SyRS reflect the Lockheed Martin Team's Service Oriented Architecture (SOA) approach and are implied to be stateless with respect to any particular proposed deployment combination of hardware and/or software. The appendix provides reference information for planned availability of the various requirements according to the Government's planned increment deployment calendar.

The Lockheed Martin Team's investment in the requirements analysis process is critical to reduction of execution risk on the ERA program. The analysis effort used to generate this document drove a detailed understanding of the "shall" statements in the specification through a combination of discussions with subject matter experts (SMEs), generation of related operational scenarios, and research and clarification into the meaning of critical terms and concepts with the ERA Program Management Office (PMO). Extensive experience in designing complex enterprise systems for the Federal Government has shown that misunderstandings and errors in the requirements generation phase can result in rework costs fifty (50) times as great as the effort required to correct such errors prior to system design. The requirements documented in the SyRS state the functionality and behavior of the ERA system (independent of implementation) and will drive the definition of the design to be documented in the ERA System Architecture and Design Document (SADD).

1.3 Organization

The SyRS describes the requirements that address NARA's electronic records archival mission while meeting the capacity and capability needs documented by the ERA PMO acquisition documentation.



This document is structured to be consistent with the format and content provisions of its Data Item Description (DID) as described in the Lockheed Martin ERA proposal dated June 9, 2004, and the referenced ISO/IEC standards.

- Section 1 provides administrative and document structural information. Included in this section is an overview of the Lockheed Martin solution approach, to provide context for the remainder of the document
- Section 2 details the methodologies used in developing and presenting the contents of this document.
- Section 3, the Requirements section, contains the full set of system requirements for ERA.
- Section 4 provides a brief discussion of external system interfaces.
- Section 5 is a glossary of terms.
- The Appendices provide supporting and referential information
 - Appendix 10 contains performance characteristic tables referenced within Section 3.
 - Appendices 20 and 30 provide forward and reverse traceability between the LM and ERA RD requirements sets.
 - The phasing of requirements functionality within deployed increments are represented in Appendix 40, Increment Plan.

1.4 Applicable Documents

1.4.1 Reference Documents

1.4.1.1 NARA Documentation

The following table lists the applicable NARA provided documentation that the Lockheed Martin Team utilized in the development of the SyRS.

Document Identifier	Standard Title
NAMA-01-F-0031/05-020 October 17, 2005 V3.1	Electronic Records Archives Requirements Document (RD)
ERA RQM, August 27, 2003	NARA ERA Requirements Management Plan
NAMA-01-F-0031/05-021 October 17, 2005 V1.1	Electronic Records Archives Interface Requirements Document (IRD)

1.4.1.2 Standards

The following table lists the applicable industry standards that the Lockheed Martin Team utilized in the development of the SyRS.

Document Identifier	Standard Title
ISO/IEC 12207:1995(E)	Information Technology – Software Life Cycle Processes
ISO/IEC 15288, 22 July 2002	Systems Engineering – System Life Cycle Processes



1.4.1.3 Lockheed Martin Documents

This SyRS references or is referenced by the following LMTSS management and control document(s):

Document Identifier	Standard Title
CDRL 11	Security Plan
CDRL L45	System Engineering Management Plan (SEMP)
CDRL L46	Human Factors Specification
CDRL L51	Interface Requirements Specification (IRS)

The SEMP provides the extended references and traceability to the relevant LMTSS Integrated Engineering Processes and Sub-processes, and as such they are not repeated here.

1.5 ERA ARCHITECTURAL OVERVIEW

NARA is responsible to the American people as the custodian of a diverse and ever expanding array of evidence of the American culture and heritage, and of the actions taken by public servants on behalf of the American citizens. The core mission of NARA is that this essential evidence must be identified, preserved, and made available to the appropriate individuals for as long as these authentic records are required—regardless of their original form (physical and electronic).

The creation and use of an unprecedented and increasing volume of Federal electronic records—in a wide variety of formats, using evolving technologies—poses the fundamental problem that the ERA System must solve. The ERA System will be a comprehensive, systematic, and dynamic means for preserving virtually any kind of electronic record, free from dependence on any specific hardware or software. The ERA System, when operational, will simplify the means and mechanisms for NARA and NARA's customers to preserve and retrieve the appropriate records while not putting an undue burden on the Federal Agencies or any other consumer or producer of electronic records. In essence NARA's vision is that the ERA System will,

Authentically preserve and provide access to any kind of electronic record, free from dependency on any specific hardware or software, enabling NARA to carry out its mission now and into the future;

Address the needs of a large, diverse stakeholder community, while accommodating rapidly changing technology;

Be flexible, scaleable, and extensible to accommodate the ever changing policy, functionality, and technology infusion that will be required of such a system; and

Have the capability to be either partially or fully deployed at locations across the United States, such as the National Archives in the Washington area and regional sites, the Presidential Libraries and the Federal Record Centers.



The following sections briefly introduce the ERA system level functional architecture, the physical ERA architecture, and the user classes and operational aspects of the ERA System to provide a baseline context of the ERA System.

1.5.1 ERA Service Oriented Architecture

The ERA System is being implemented using a Service Oriented Architecture (SOA) approach. In a SOA, business functionality is delivered by a set of loosely-coupled services that communicate via request/response interfaces or by message passing. A mediation layer in the architecture provides the communications to the services within an ERA Instance. This mediation layer also communicates across ERA Instances (within the same classification level) to other mediation layers for federated operations. Business processes are implemented as a composition of services through workflow orchestrations and can evolve as policy changes. Key features of a Service Oriented Architecture include:

- Business functionality that is encapsulated in independent services, which provide a single business function.

- Access to infrastructure applications for data is mediated by an integration layer within the architecture.

- Business processes are orchestrated through workflow in the mediation layer to create a composite application.

The SOA approach for the ERA System ensures loose-coupling of services and processes to enable an evolvable, scalable, and extensible ERA solution. The internal implementation of each service can be modified as user load grows, as new requirements emerge, or as technology changes, without affecting the remainder of the ERA solution.

2. METHODOLOGY

2.1 System Development Life Cycle

The Lockheed Martin Team's methodology for meeting the ERA objectives is based upon a combination of proven processes for accomplishing the system analysis elements of an overall system development life cycle. Our experiences on a variety of programs of this magnitude have demonstrated the success of this approach for both COTS-integration-based and custom-developed solutions.

The production of the SyRS is one critical element within this overall approach. The requirements in the SyRS represent the analysis results reflecting many inputs, including but not limited to: NARA documentation such as the Requirements Document (RD), technical exchanges with NARA and its stakeholders, and development of operational scenarios. The development of the ERA Systems Concept of Operations document occurred concurrently with the development of the Lockheed Martin Team's SyRS. This section discusses the integrated engineering methodology utilized and the documentation conventions employed.

2.1.1 Integrated Engineering Methodology

Lockheed Martin conducted three integrated engineering activities simultaneously:



- Developing the Lockheed Martin Team's SyRS, which expands upon the ERA RD;
- Developing key operational scenarios for the Lockheed Martin Team's System Concept of Operations (ConOps), which provide a decomposed functional architecture for key activities within the system; and
- Confirming our understanding of the requirements with NARA.

These three activities reinforced one another. Developing the operational scenarios supported the investigation of how key functions in the system fit together, and how the requirements map to those functions. The operational scenarios enabled our Team to:

- Document interactions between actors and the ERA System segments;
- Document a high-level functional design and processing flow, including inputs and outputs;
- Allocate requirements to atomic functions (functions that can be allocated entirely to a single increment), which revealed missing requirements and areas requiring further decomposition; and
- Provide a basis to cleanly allocate atomic functions and their allocated requirements to deployment increments.

In an iterative cycle between requirements analysis and scenario development, the operational scenarios guided the requirements writing and expansion, and the requirements drove the operational scenarios. Requirements were traced to functions to discover missing functions, and functions were traced to requirements to discover missing requirements. The process of developing the atomic functions has increased our understanding of the system's requirements, providing a better context for writing the SyRS "shall" statements.

The following sources have been utilized for developing our requirements document:

- ERA Requirements Document;
- NARA ERA Concept of Operations;
- NARA ERA Use Case Document;
- NARA Business Process Re-engineering flows;
- ERA PMO and NARA SME's domain knowledge.
- Lockheed Martin Team's domain knowledge;
- Lockheed Martin Team's engineering knowledge.

2.2 Requirements Analysis & Expansion

The starting point of our requirements analysis was based upon replication of the RD provided requirements set into a parallel requirement set. The weeklong working sessions with the PMO early in the effort facilitated a clear understanding of the PMO's intent that the original ERA RD was developed to minimize any implementation specificity. The RD clearly provides a well developed description of system behaviors that could remain unaltered for the "life of the republic." However, it was also understood that the responsible development contractor needed to rework and expand these



requirements to address the nearer term operational objectives of successfully deploying an ERA solution. At the same time, the specification development effort needed to preserve the ability of the specification to remain implementation neutral and position the document to support long-term maintenance of the ERA system. This included emphasis to ensure that "shall" statements described system behavior rather than detailed implementation. This technique is a hallmark of the IEEE software standards approach to development or requirements specifications.

Our early efforts included development of interpretation statements and engineering notes to capture the Integrated Product Teams' understanding of each "shall" statement. Then the effort focused upon developing operational scenarios based upon a variety of Government furnished information. Additional specialized topic-focused working sessions were facilitated by the PMO to extend our understanding and interpretations of the RD. Significant contributions were also received from various and numerous archival SMEs in attendance at these technical working sessions.

Our team set out with several goals in the initial requirements analysis. Among these goals were the standard maxims of requirements evaluation, to establish and maintain a set of statements of system behavior assuring that each requirement is complete, concise, consistent, unambiguous, non-compound, and testable. Through our assessments, we established where it was necessary to expand the system behavior descriptions to fully capture the Government's objectives while properly bounding the problem for testability.

The requirements generated during this phase of the program establish the functionality of the ERA system and are a direct input into the system design effort. Each SyRS requirement will be traced to design elements and eventually specific hardware and software products to ensure that the system provides the complete set of capability specified in the SyRS. These requirements will also be initially allocated to increments such that ERA can be deployed in a low risk model such that incremental functionality can be exercised. The system design phase initiates the process of allocating the requirements to design elements in a manner that will achieve the desired system characteristics of the highly available, flexible, scalable, evolvable Service Oriented Architecture and design.

2.2.1 Numbering

The Lockheed Martin requirements were numbered using the scheme to that is used by the PMO in the ERA RD. The Lockheed Martin SyRS requirements all have prefix letter code of "ERA" followed by a hierarchical number sequence. The levels of the hierarchy are delimited by periods in the numbering sequence. Levels are indicated from left to right, highest level being on the left. Requirement numbers that share a common set of delimited values, as read from left to right, are part of the same hierarchical branch, e.g. ERA2.2.3 and ERA2.2.6.4 have a common internal traceability to ERA2.2.

To facilitate comprehension through the PMO review process, several decisions were made with respect to how to maintain the numbering schema while simultaneously allowing expansion of the initial set. First, each RD ERA requirement is duplicated and is identically numbered in the SyRS. However, to achieve the previously stated goals, selected requirements needed to be restated. In order to keep the one to one (NARA RD to LM SyRS) numbering plan consistent, expansion requirements at a peer level that logically might have been collocated instead are assigned numbering sequences that would not otherwise violate or interfere with the original ERA RD numbering patterns. This was achieved by extending the numbering at the last of a sequence at a given level within the bounds of the parent-child hierarchical structure. For example, if ERA1.2 needed a new peer, and the original sequence already carried through to ERA1.11, then ERA1.12 would be next available peer number assigned.



A second decision was made that our team would not create any expansion requirements that served primarily or solely as a placeholder "parent" requirement. A placeholder parent is fully satisfied when the "children" requirements are validated and the parent requirement has no additional unique functionality of its own. A typical example of this is a parent requirement to "manage" a selected activity, with child requirements that provide for the "create," "read," "update," and "delete" (CRUD) functionality associated with managing said activity. In this example the CRUD requirements would be expanded at the same hierarchical level that their "manage" parent might have been created.

2.2.2 Traceability to the ERA RD

There is a mapping between every ERA RD requirement and a similarly numbered LM SyRS requirement. In the appendices, there are two separate tables that provide the traceability between the two requirements sets. Appendix 20. SyRS to ERA RD Traceability Table provides a linkage for each of the LM SyRS requirements to its corresponding ERA RD requirement, in the order of the LM SyRS requirements. Appendix 30. ERA RD to SyRS Traceability Table provides the reverse traceability, the linkage for ERA requirements to their corresponding LM SyRS requirements in the order of the ERA RD requirements.

The methodology for documenting traceability for the expansion of the LM requirements was straightforward, based upon the requirements expansion methodology detailed above. The selection of this expansion methodology included this premise for traceability up front, helping to enforce the proper placement of expansion requirements under the appropriate parent requirement.

SyRS children requirements that do not correspond directly to an ERA child requirement are traced to the ERA RD parent requirement.

2.3 Conventions

Throughout the requirements analysis and expansion process, our team established several conventions. It was imperative to address how we could describe system behavior in an appropriate context that would conform to the approach that is present in the Government's initial documentation efforts, while also providing the necessary consistency and architectural attributes to support the subsequent design effort. The following subsections document the usage of select terminology and other assumptions with respect to how the language in the requirements was developed, and how it should be interpreted.

2.3.1 Assumptions

From the earliest analyses of the RD in draft through to the final RFP version, the Government established a set of requirements statements that could individually stand alone and provide a necessary basic set of functional elements as building blocks. However, the structure of the SyRS does not readily facilitate the identification of strong relationships between requirements in different sections of the document. This poses risks to long-term maintenance of the system by inhibiting the ability to identify the full impact of a desired change to system behavior at some time in the future.

A basic example would be that one could take a number of operational execution requirements and create a corresponding set of security requirements describing just that operation. While this might provide an exacting level of detail and a great number of requirements expansions, it also would likely result in a solution that has a limited ability to provide a "policy neutral" or "implementation neutral" set of services.



During the design phase that follows, the strong relationships that were identified in the requirements analysis efforts will be captured in the Requirements Management Tool. This data will support multiple efforts including providing improved accuracy in test planning and improved impact analysis during design production.

Another typical element of the design process documentation is the allocation of requirements to specific hardware, software, and/or operations elements, as well as to increments. To provide reviewers additional insight into the presented requirements, each statement is allocated to one or more of these generic elements. The rule of thumb to provide these assessments was to assert the singular primary allocation based on the predominant assignment of the functionality. This assumption recognizes that very little of the system functionality could be achieved with only hardware, only software, or only operations, to the complete exclusion of one or both of the others. Therefore, the requirement was allocated based upon the predominance of the entity supporting the functionality.

This SyRS also provides allocation of requirements to increments. As represented here, these allocations represent a framework describing the availability of system functionality over time. "Shall" statements allocated to increments will be fully testable at the system level for the identified increment. It is assumed that regression testing for later increments will address updates to detailed implementation of system behaviors sold off at an earlier increment. For instance, while the functionality to identify failures may be allocated to Increment 1, the functionality to identify failures for new system elements introduced in Increment 2 will be addressed through Increment 2 regression test analysis of the Increment 1 test cases. The requirements analysis process to establish these allocations included many factors. Among these variables, we evaluated the feasibility and expected availability of technology, the Government's notional descriptions in the Target Release Paper (TAR), and initial plans that form the basis for our design process for ERA. The allocations to increment mapping in this SyRS will strongly influence the detailed design, as it will be documented in the SADD. However, it is expected that design analysis and information regarding the Government's transition approach may influence the allocation of system behavior to increments. This may involve further decomposition of some existing "shall" statements based upon the results of the system design process. It is anticipated that changes to increment allocations could vary as much as 20% between the initial delivery of the SyRS in support of the SRR and the final delivery of the SyRS in support of SDR.

The meaning of all of the verification method codes and definitions referenced in the SyRS are provided in Section 2.4 below. Our Team made a set of basic assumptions with respect to the allocation of these methods. Integral to the notion that a parent requirement is achieved through its children, the accounting of the increment allocations of 'NV' parent requirements have been assigned to the latest increment of any of its children. The system design process generates a more detailed understanding of the implementation of the function, which may result in changes to the test methods identified in this version of the document.

Shall statements that reference interfaces with systems external to ERA indicate that the associated system behavior will be performed consistent with the final interface requirements through the use of the phrase "in accordance with the interface requirement specification".

2.3.2 Terminology

Providing for consistent terminology usage within requirements is paramount to assuring consistency and reducing ambiguity. Using the Government-provided RD Glossary as the initial baseline, our team continued to refine, identify, and develop terminology and usage rules for language in the requirement



statements. The Glossary in the SyRS appendix captures the resulting agreements to language definitions of terminology used in the accompanying requirements statements. Definitions alone do not always convey the proper context for understanding the language in the requirements statements. To assist in the SyRS review, the following terminology discussion provides the necessary context for several important terms.

The structure of each of the requirement statements follows a basic approach, the same used by the Government in the ERA RD. Each statement begins with "The system shall..." followed by a description of a system behavior (or system characteristic). The phrase "... provide the capability to..." is intentionally placed between the "shall" and the specified behavior in a significant number of these statements. When present, this phrase implies only that the referenced behavior must be available within the system, but not that the behavior is compulsory. Requirements with "... provide the capability to..." are typically descriptions of alternatives in processing steps, behaviors that are discretionary based upon rules or input by an actor upon the system, or events/services that occur only when triggered.

Actors within the system can be either users or other external systems. Following the Government's approach in the RD, our assumption is that a reference to a user as an actor for a system behavior implies establishing appropriate authorization(s) for that user prior to access to the behavior. The requirements detailing user (and system) authorization are strongly related to any description of system behavior. By this terminology assumption, it is therefore redundant to refer to a user as an actor being an "authorized" user, and use of this modifier has been avoided. In addition, our Team has chosen to avoid requirements expansions solely for the enumeration of multiple authorized actor types implementing like behavior. This also supports the approach of developing a "policy neutral" implementation to user authorizations across available system services.

The assumption that the system can be a valid actor or initiator of a function or service also provided for another challenging language construct. Again, following the Government's example, our Team continued to use the reference "itself" to indicate that the system was not only the enabler of a described behavior, but also that it could be acting the role of an external entity, or even as a surrogate for a human user.

Two terms were given particular focus as candidates for equivalence. The first term, "check," was generally replaced with the term "verify" in expansion statements. The second term addressed was "remove," which was most often replaced in expansion statements with "delete," and alternatively "destroy" or "expunge" as appropriate to the nature of the behavior being defined. In the remaining cases, "remove" was deemed the most appropriate term, and no change was implemented.

The words "any" and "all" were avoided in the majority of cases to improve the overall testability of the specified "shall" statement. For a given function, it can be assumed that it applies to all cases unless specific exceptions and conditions are granted within the specified "shall" statement. The inclusion of the word "all" typically drives the development of unbounded test cases. The term "any" can be interpreted to define either a test case of only one or an unbounded test case.

2.4 Verification Methodology

This section defines the methodology used to verify adherence of the system to specified requirements. A verification method is assigned to each requirement in multiple sections of this document. The following subsections provide descriptions of these methods and the letter codes by which each is referenced.



The Lockheed Martin Team's overall test methodology is detailed independently in the Master Test Plan. Mapping of the requirements to test cases will occur with the creation of the Verification Cross Reference Matrix (VCRM), independent of this delivery of the SyRS.

2.4.1 Inspection (I)

Inspection (I) is verification by performing all of the following without relying on analysis techniques:

- Visual examination of the item under test (such as display, cables, and processors)
- Reviewing descriptive documentation (such as CDRLs, vendor data, and engineering drawings)
- Comparing the appropriate characteristics with a predetermined or reference standard (such as Government Standards, other Standards, and SOW)

This inspection will determine conformance to requirements without the use of special laboratory equipment, procedures or manipulation of collected data.

2.4.2 Analysis (A)

Analysis (A) is verification by one or more of the following techniques (analysis does not necessarily require that the item subject to verification be present):

- Technical Evaluation
- Mathematical Evaluation
- Simulation.

This method of analysis will use whatever is necessary from the following Analysis Techniques to prove that an item meets specified requirements:

- Mathematical representation (such as math models, algorithms, and equations)
- Charts
- Graphs
- Circuit diagrams
- Data reduction/recording
- Representative data

Representative data may include data collected from previous verifications or other equipment and system verifications.

2.4.3 Demonstration (D)

Demonstration (D) is verification by operation of the item in performing its design functions under a specific set of conditions. The item may be instrumented and quantitative performance may be monitored and recorded for post run error evaluation and/or independent Government review. Analysis (as described above) is not required for verification by demonstration.

Criteria for satisfactory demonstration will be indicated; these may be based upon satisfactory limits of performance.



2.4.4 Test (T)

Test (T) is verification through systematic exercising of the item under all appropriate conditions, with instrumentation and data collection, analysis and evaluation of quantitative data for predetermined characteristics. Acceptability of the item is determined by the comparison of the data with the pre-established quantitative criteria, requirements and occurrences.

2.4.5 Not Verified (NV)

The selection of Not Verified (NV) as the verification method implies that verification will be achieved independently of the referenced requirement statement. The primary example is when a particular requirement statement has a set of child requirements that once verified separately will provide sufficient evidence that the parent requirement has been met.



3. REQUIREMENTS

The following subsections are allocated to the same heading descriptors and major numbering sequences as presented in the ERA RD. Each requirement line is present with several attributes embedded parenthetically after the occurrence of the "shall" in the statement. The attributes are to be interpreted as indicated in the following example:

- The system shall (Requirement ID)(Verification Method) perform the desired behavior

Allocations to increment, element (Hardware / Software / Operations), and reverse traceability can be located in the tables provided in the appendices to this SyRS.

3.1 RECORDS MANAGEMENT (ERA1-ERA6)

The system shall (ERA1)(D) manage the disposition of records

The system shall (ERA1.1)(D) provide the capability to manage disposition agreements

The system shall (ERA1.1.1)(D) provide the capability for users to create disposition agreements

The system shall (ERA1.1.1.1)(D) provide the capability for users to create templates for disposition agreements

The system shall (ERA1.1.1.2)(D) provide the capability for users to create disposition agreements based on templates

The system shall (ERA1.1.1.3)(D) provide the capability for users to create new disposition agreements based on existing disposition agreements

The system shall (ERA1.1.1.3.1)(D) provide the capability for users to create new disposition agreements based on proposed disposition agreements

The system shall (ERA1.1.1.3.2)(D) provide the capability for users to create new disposition agreements based on default disposition agreements

The system shall (ERA1.1.1.3.3)(D) provide the capability for users to create new disposition agreements based on approved disposition agreements

The system shall (ERA1.1.1.4)(D) create suggested dispositions based on a series of questions answered by the user

The system shall (ERA1.1.1.4.1)(D) recommend a workflow for records based on their suggested disposition

The system shall (ERA1.1.1.4.2)(D) indicate the level of confidence in the suggested disposition to the user

The system shall (ERA1.1.1.4.3)(D) indicate to the user the level of confidence that the suggested workflow is appropriate

The system shall (ERA1.1.1.4.3.1)(D) provide the capability for a user to override the suggested disposition instruction

The system shall (ERA1.1.1.4.3.2)(D) provide the capability for a user to select an alternate workflow for records within a disposition agreement

The system shall (ERA1.1.1.4.4)(D) create suggested dispositions based on user responses to system generated questions

The system shall (ERA1.1.2)(D) store disposition agreements

The system shall (ERA1.1.2.1)(D) assign a unique identifier to each disposition agreement

The system shall (ERA1.1.2.1.1)(D) assign a constant unique identifier to each version of a disposition agreement



The system shall (ERA1.1.3)(D) provide the capability for users to assign a status to a disposition agreement

The system shall (ERA1.1.3.1)(D) report on the status of a disposition agreement upon request

The system shall (ERA1.1.3.2)(D) provide the capability for users to define rules for transitioning between disposition agreement statuses

The system shall (ERA1.1.3.3)(T) track the status of disposition agreements

The system shall (ERA1.1.3.4)(D) provide the capability to notify users on changes to a disposition agreement's status

The system shall (ERA1.1.3.5)(T) implement user defined rules for transitioning between disposition statuses

The system shall (ERA1.1.3.6)(D) provide the capability for users to identify disposition agreements with a status of defunct

The system shall (ERA1.1.3.6.1)(D) provide the capability for users to hide defunct disposition agreements from view

The system shall (ERA1.1.3.6.2)(D) provide the capability for users to view defunct disposition agreements

The system shall (ERA1.1.4)(D) provide the capability for users to modify disposition agreements

The system shall (ERA1.1.4.1)(T) provide the capability for users to delete disposition agreements

The system shall (ERA1.1.5)(D) manage versioning of disposition agreements

The system shall (ERA1.1.5.1)(D) maintain the version history of a disposition agreement

The system shall (ERA1.1.5.2)(D) provide the capability for a user to create a new version of an approved disposition agreement to allow it to be modified

The system shall (ERA1.1.5.3)(D) provide the capability for a user to view versions of a disposition agreement

The system shall (ERA1.1.5.4)(D) provide the capability to modify versions of a disposition agreement

The system shall (ERA1.1.5.5)(D) provide the capability to delete versions of a disposition agreement

The system shall (ERA1.1.6)(T) provide the capability to import disposition agreements

The system shall (ERA1.1.6.1)(T) provide the capability to import approved disposition agreements

The system shall (ERA1.1.6.1.1)(T) provide the capability to import disposition agreements, with a status of "approved", according to the Interface Requirements Specification

The system shall (ERA1.1.6.2)(T) provide the capability to import proposed disposition agreements

The system shall (ERA1.1.6.2.1)(T) provide the capability to import disposition agreements, with a status of "proposed", according to the Interface Requirements Specification

The system shall (ERA1.1.6.3)(T) provide the capability to import disposition agreements according to the Interface Requirements Specification

The system shall (ERA1.1.7)(D) provide the capability for users to approve disposition agreements

The system shall (ERA1.1.7.1)(D) provide the capability for users to submit disposition agreements for approval

The system shall (ERA1.1.7.2)(D) provide the capability for users to assign a status of "approved" to disposition agreements

The system shall (ERA1.1.7.3)(D) provide the capability for users to assign a status other than "approved" to disposition agreements

The system shall (ERA1.1.8)(D) provide the capability for disposition agreements to contain disposition instructions

The system shall (ERA1.1.8.1)(D) provide the capability for disposition agreements to contain disposition instructions that can be implemented by the system



- The system shall (ERA1.1.8.1.1)(D) provide the capability to execute disposition instructions based on a defined syntax
- The system shall (ERA1.1.8.2)(T) check the disposition instructions contained in disposition agreements to ensure that they can be implemented by the system
- The system shall (ERA1.1.8.2.1)(T) verify the disposition instructions contained in disposition agreements to determine if they conform to the defined syntax for disposition instructions
- The system shall (ERA1.1.8.3)(T) provide the capability for users to specify disposition instructions for each disposition agreement item
- The system shall (ERA1.1.8.4)(D) provide the capability for a user to update disposition instructions within a disposition agreement
- The system shall (ERA1.1.8.5)(D) provide the capability for a user to delete disposition instructions within a disposition agreement
- The system shall (ERA1.1.9)(D) provide the capability for users to define relationships between disposition agreements
- The system shall (ERA1.1.10)(D) provide the capability for users to include records lifecycle data about records in disposition agreements
- The system shall (ERA1.1.11)(D) check disposition agreements against NARA standards
- The system shall (ERA1.1.11.1)(T) check disposition agreements for conformance to the appropriate template
- The system shall (ERA1.1.11.1.1)(T) validate disposition agreements for conformance to the associated templates
- The system shall (ERA1.1.11.2)(D) provide the results of checking the disposition agreement to the user
- The system shall (ERA1.1.12)(T) search existing disposition agreements to identify those related to a proposed disposition agreement
- The system shall (ERA1.1.12.1)(T) compare disposition agreements to identify those which cover similar records
- The system shall (ERA1.1.12.1.1)(T) compare disposition agreements to identify those which cover similar records based on weighted criteria
- The system shall (ERA1.1.12.2)(T) compare items in proposed disposition agreements with items in existing disposition agreements to identify duplications
- The system shall (ERA1.1.12.2.1)(T) compare items in proposed disposition agreements with items in approved disposition agreements to identify potential duplications based on weighted criteria
- The system shall (ERA1.1.12.3)(D) display disposition agreements that cover similar records on user request
- The system shall (ERA1.1.12.4)(D) display disposition agreements that contain potentially duplicated items on user request
- The system shall (ERA1.1.13)(D) pre-fill agency information from an agency's ERA registration into the disposition agreement when available
- The system shall (ERA1.1.13.1)(D) pre-fill available agency information from an agency's ERA registration into the proposed disposition agreement upon creation of the disposition agreement
- The system shall (ERA1.1.13.2)(D) provide the capability for users to update agency information in a disposition agreements by importing updated agency registration information
- The system shall (ERA1.1.14)(D) contain default disposition agreements
- The system shall (ERA1.1.14.1)(D) pre-fill proposed disposition agreements with default values
- The system shall (ERA1.1.14.2)(D) provide the capability for users to identify disposition agreements as default disposition agreements



- The system shall (ERA1.1.15)(D) capture lifecycle data from disposition agreements
- The system shall (ERA1.1.16)(D) provide the capability for users to access disposition agreements in all stages of the approval process
- The system shall (ERA1.1.17)(D) report on whether records are covered by more than one disposition agreement
- The system shall (ERA1.1.17.1)(D) provide the capability to provide a report listing records which are covered by multiple disposition agreements
- The system shall (ERA1.1.18)(D) provide the capability for ERA users to collaborate on disposition agreements
- The system shall (ERA1.1.19)(D) identify modifications of a disposition agreement from another related disposition agreement
- The system shall (ERA1.1.20)(D) identify additions to a disposition agreement from another related disposition agreement
- The system shall (ERA1.1.21)(D) provide the capability to divide a disposition agreement into multiple disposition agreements
- The system shall (ERA1.1.22)(D) provide the capability to merge multiple disposition agreements into one disposition agreement
- The system shall (ERA1.1.23)(D) provide the capability for a user to assign a priority to a disposition agreement
- The system shall (ERA1.1.24)(D) provide the capability for users to associate supporting electronic documents to a disposition agreement
- The system shall (ERA1.1.25)(D) provide the capability for users to copy disposition agreement items from one disposition agreement into another disposition agreement
- The system shall (ERA1.1.26)(D) provide the capability for users to create a disposition agreement package
- The system shall (ERA1.1.26.1)(D) provide the capability for users to associate assets to a disposition agreement package
- The system shall (ERA1.1.26.2)(D) provide the capability for users to delete assets from a disposition agreement package
- The system shall (ERA1.1.27)(D) provide the capability for a user to include sample records with disposition agreements
- The system shall (ERA1.2)(D) manage requests to transfer records
- The system shall (ERA1.2.1)(D) confirm that the transfer is authorized
- The system shall (ERA1.2.1.1)(D) store information about the authorization to transfer
- The system shall (ERA1.2.1.1.1)(D) include a link to the transfer authorization information in the record lifecycle data for each transferred record
- The system shall (ERA1.2.1.2)(D) confirm that the transfer is covered under an existing disposition agreement
- The system shall (ERA1.2.1.2.1)(D) confirm that the transfer request and transferred records are covered under an existing disposition agreement
- The system shall (ERA1.2.1.3)(D) confirm that the user initiating the transfer is authorized to do so
- The system shall (ERA1.2.2)(D) store information about the volume of the transfer
- The system shall (ERA1.2.2.1)(D) store information about the size of the transfer
- The system shall (ERA1.2.3)(D) store information about the duration of the transfer
- The system shall (ERA1.2.4)(D) provide the capability to associate transfers with registered templates
- The system shall (ERA1.2.4.1)(D) provide the capability to associate transfers with approved templates
- The system shall (ERA1.2.5)(D) provide the capability to disallow the transfer of records



The system shall (ERA1.2.5.1)(D) provide the capability for users to disallow a transfer of records
The system shall (ERA1.2.6)(D) manage requests by transferring entities to transfer records from transferring entities to ERA

The system shall (ERA1.2.6.1)(D) receive requests by transferring entities to transfer records from transferring entities to ERA according to the Interface Requirements Specification

The system shall (ERA1.2.7)(D) manage requests by NARA to transfer records from transferring entities to ERA

The system shall (ERA1.2.7.1)(D) provide the capability for a user to request the transfer of records from transferring entities to ERA

The system shall (ERA1.2.8)(D) maintain a status of a transfer request

The system shall (ERA1.2.9)(D) provide the capability to track the status of a transfer request

The system shall (ERA1.2.10)(D) provide the capability for the system to disallow a transfer

The system shall (ERA1.3)(D) provide the capability to transfer legal custody of records to NARA

The system shall (ERA1.3.1)(D) provide the capability to obtain formal acceptance of records into NARA legal custody

The system shall (ERA1.3.1.1)(D) provide the capability to disapprove the acceptance of records into NARA legal custody

The system shall (ERA1.3.1.2)(D) obtain appropriate authorizations from NARA to accept records into NARA legal custody

The system shall (ERA1.3.1.2.1)(D) capture authorizations from NARA to accept records into NARA legal custody

The system shall (ERA1.3.1.3)(D) obtain appropriate authorizations from transferring entities to accept records into NARA legal custody

The system shall (ERA1.3.1.3.1)(D) capture authorizations from transferring entities to accept records into NARA legal custody

The system shall (ERA1.3.2)(D) require appropriate authorization prior to the destruction of electronic records that were appraised as permanent

The system shall (ERA1.3.2.1)(D) provide the capability to require authorization prior to the destruction of electronic records that were appraised as temporary

The system shall (ERA1.4)(T) provide the capability to export any electronic record from ERA to other entities

The system shall (ERA1.4.1)(T) provide the capability to export individual electronic records from ERA to other entities

The system shall (ERA1.4.1.1)(T) provide the capability to export individual electronic records from ERA to other entities, in accordance with the Interface Requirements Specification

The system shall (ERA1.4.2)(T) provide the capability to export sets of electronic records from ERA to other entities

The system shall (ERA1.4.2.1)(T) provide the capability to export sets of electronic records from ERA to other entities, in accordance with the Interface Requirements Specification

The system shall (ERA1.4.3)(T) remove the exported electronic records from ERA

The system shall (ERA1.4.3.1)(T) delete the exported electronic records from ERA upon confirming success of the export to the other entity

The system shall (ERA1.4.4)(T) provide the capability to export all versions of any electronic record stored in ERA

The system shall (ERA1.4.4.1)(T) provide the capability to export all versions of an electronic record stored in ERA, in accordance with the Interface Requirements Specification



The system shall (ERA1.4.5)(T) preserve the structure of all digital components when electronic records are exported

The system shall (ERA1.4.5.1)(T) preserve the structure of an electronic record's digital components when that record is exported

The system shall (ERA1.4.6)(T) preserve the content of all digital components when electronic records are exported

The system shall (ERA1.4.6.1)(T) preserve the content of an electronic record's digital components when that record is exported

The system shall (ERA1.4.7)(T) provide the capability to export electronic records with the records' lifecycle data

The system shall (ERA1.4.7.1)(T) provide the capability to export electronic records without the records' lifecycle data

The system shall (ERA1.4.7.1.1)(T) provide the capability to export electronic records without the records' lifecycle data, in accordance with the Interface Requirements Specification

The system shall (ERA1.4.7.2)(T) provide the capability to export electronic records with the records' lifecycle data , in accordance with the Interface Requirements Specification

The system shall (ERA1.4.8)(T) provide the capability to export electronic records with the records' associated descriptions

The system shall (ERA1.4.8.1)(T) provide the capability to export electronic records without the records' associated descriptions

The system shall (ERA1.4.8.1.1)(T) provide the capability to export electronic records without the records' associated descriptions, in accordance with the Interface Requirements Specification

The system shall (ERA1.4.8.2)(T) provide the capability to export electronic records with the records' associated descriptions, in accordance with the Interface Requirements Specification

The system shall (ERA1.5)(T) provide the capability to destroy any electronic record

The system shall (ERA1.5.1)(T) provide the capability to queue electronic records for destruction based on disposition instructions

The system shall (ERA1.5.1.1)(T) provide the capability to select a date on which to destroy electronic records based on disposition instructions

The system shall (ERA1.5.2)(T) provide the capability for a user to select electronic records for destruction

The system shall (ERA1.5.2.1)(T) provide the capability for a user to select a date on which to destroy electronic records

The system shall (ERA1.5.3)(T) confirm that all required authorizations have been received prior to destroying electronic records

The system shall (ERA1.5.4)(T) provide the capability to destroy the electronic records lifecycle data associated with a destroyed electronic record

The system shall (ERA1.5.4.1)(T) provide the capability to destroy electronic records lifecycle data at a different time as the destruction of the electronic record itself

The system shall (ERA1.5.4.2)(T) provide the capability to destroy electronic records lifecycle data

The system shall (ERA1.5.4.3)(T) provide the capability to destroy the electronic records while retaining the records' associated lifecycle data

The system shall (ERA1.5.5)(T) destroy electronic records in accordance with Federal guidance

The system shall (ERA1.5.6)(T) provide the capability to destroy all electronic copies of an electronic record

The system shall (ERA1.5.7)(T) provide the capability to destroy all electronic versions of an electronic record



The system shall (ERA1.5.8)(I) certify the destruction of electronic records

The system shall (ERA1.5.8.1)(I) provide documentation to certify the destruction of electronic records

The system shall (ERA1.5.8.1.1)(I) provide documentation to certify the destruction of electronic records in accordance with agency standards as defined by NARA

The system shall (ERA1.5.9)(A) destroy electronic records such that the electronic records cannot be recovered

The system shall (ERA1.5.9.1)(A) provide the capability to destroy electronic records such that the electronic records cannot be recovered according to the standards defined by the transferring entity

The system shall (ERA1.5.10)(T) provide the capability to destroy electronic records in accordance with DOD5220.22-M

The system shall (ERA1.5.11)(A) provide the capability to destroy electronic records in accordance with agency standards as defined by NARA

The system shall (ERA1.5.12)(D) provide a configurable retention period for records that have been selected for destruction, wherein the destruction of the records could be averted within the specified timeframe

The system shall (ERA1.5.12.1)(D) provide a configurable retention period for records that have been selected for destruction, wherein a user could cancel the destruction of the records within the specified timeframe

The system shall (ERA1.6)(D) automate the implementation of disposition instructions for electronic records

The system shall (ERA1.6.1)(D) provide the capability for users to suspend automatic implementation of any disposition instruction

The system shall (ERA1.6.2)(D) provide the capability for users to resume automatic implementation of any suspended disposition instruction

The system shall (ERA1.6.3)(D) provide the capability to implement changed disposition instructions

The system shall (ERA1.6.3.1)(D) recognize when a disposition instruction contained in a disposition agreement has been changed

The system shall (ERA1.6.3.2)(D) identify all records affected by a changed disposition instruction

The system shall (ERA1.6.3.3)(D) implement a changed disposition instruction against all records affected by the disposition instruction change

The system shall (ERA1.6.4)(T) provide the capability for a disposition instruction to be executed on a specified date

The system shall (ERA1.6.4.1)(D) provide the capability for a user to assign a specific date to an event in a disposition instruction

The system shall (ERA1.6.4.2)(T) use specified event dates to determine when to execute disposition instructions

The system shall (ERA1.6.5)(T) provide the capability for a disposition instruction to be executed on a specified event

The system shall (ERA1.6.6)(D) provide the capability for a user to view disposition instructions within a disposition agreement

The system shall (ERA1.6.7)(D) notify users when disposition instructions contained in disposition agreements cannot be implemented by the system

The system shall (ERA1.7)(D) provide the capability to project scheduled transfers in accordance with disposition agreements

The system shall (ERA1.7.1)(D) provide the capability to identify scheduled transfers in accordance with disposition agreements

The system shall (ERA1.8)(D) provide tools to package records in preparation for transfer to ERA



The system shall (ERA1.8.1)(D) provide tools for packaging associating transfer agreements, disposition agreements, and templates with records into a self-describing format for transfer to ERA

The system shall (ERA1.9)(D) provide tools for the transfer of records to ERA

The system shall (ERA1.10)(D) provide the capability to exchange records with records management applications that comply with DOD-STD 5015.2

The system shall (ERA1.10.1)(D) provide the capability to receive records from records management applications that comply with DOD-STD 5015.2 according to the Interface Requirements Specification

The system shall (ERA1.10.2)(D) provide the capability to send records to records management applications that comply with DOD-STD 5015.2 according to the Interface Requirements Specification

The system shall (ERA1.11)(D) provide capabilities for appraisal

The system shall (ERA1.11.1)(D) provide the capability for users to create appraisal reports

The system shall (ERA1.11.1.1)(D) create a new version of an approved appraisal report to allow it to be modified

The system shall (ERA1.11.2)(D) provide the capability for users to access appraisal reports

The system shall (ERA1.11.2.1)(D) provide the capability to output a version of an appraisal report

The system shall (ERA1.11.2.2)(D) provide the capability to present a version of an appraisal report

The system shall (ERA1.11.3)(D) provide the capability for users to modify appraisal reports

The system shall (ERA1.11.3.1)(D) provide the capability for a user to modify versions of an appraisal report

The system shall (ERA1.11.4)(D) provide the capability for users to delete appraisal reports

The system shall (ERA1.11.4.1)(D) provide the capability for a user to delete a version of an appraisal report

The system shall (ERA1.11.5)(D) provide the capability to associate appraisal reports with disposition agreements

The system shall (ERA1.11.5.1)(D) provide the capability to associate appraisal reports with items in disposition agreements

The system shall (ERA1.11.6)(T) capture lifecycle data from appraisal reports

The system shall (ERA1.11.6.1)(T) extract lifecycle data from appraisal reports

The system shall (ERA1.11.6.2)(T) store lifecycle data extracted from appraisal reports

The system shall (ERA1.11.7)(D) provide the capability to collaborate on appraisal reports

The system shall (ERA1.11.7.1)(D) provide the capability to capture comments on appraisal reports

The system shall (ERA1.11.7.2)(D) provide the capability to access comments on appraisal reports

The system shall (ERA1.11.7.3)(D) provide the capability to update comments on appraisal reports

The system shall (ERA1.11.7.4)(D) provide the capability to delete comments on appraisal reports

The system shall (ERA1.11.7.5)(D) provide the capability to capture responses to comments on appraisal reports

The system shall (ERA1.11.7.6)(D) provide the capability to access responses to comments on appraisal reports

The system shall (ERA1.11.7.7)(D) provide the capability to update responses to comments on appraisal reports

The system shall (ERA1.11.7.8)(D) provide the capability to delete responses to comments on appraisal reports

The system shall (ERA1.11.8)(D) maintain the version history of an appraisal report

The system shall (ERA1.11.9)(D) assign a constant unique identifier to each version of an appraisal report

The system shall (ERA1.11.10)(D) provide capabilities to appraise records

The system shall (ERA2)(D) provide workflow management



- The system shall (ERA2.1)(D) invoke its services based on business rules
- The system shall (ERA2.1.1)(D) provide the capability to define business rules to the system
- The system shall (ERA2.1.2)(D) provide the capability for mandatory approvals as exit criteria for business processes
- The system shall (ERA2.2)(D) provide the capability to manage units of work
- The system shall (ERA2.2.1)(D) provide the capability to define units of work
- The system shall (ERA2.2.2)(D) provide the capability to assign sets of records to units of work
- The system shall (ERA2.2.2.1)(D) provide the capability to modify the assignment of sets of records to units of work
- The system shall (ERA2.2.2.2)(D) provide the capability to delete the assignment of sets of records to units of work
- The system shall (ERA2.2.2.3)(D) provide the capability to rollback changes associated with records that are deleted from a unit of work
- The system shall (ERA2.2.3)(T) provide the capability to queue units of work
- The system shall (ERA2.2.4)(D) provide the capability to suspend processing of units of work
- The system shall (ERA2.2.5)(D) provide the capability to resume processing of units of work that were suspended
- The system shall (ERA2.2.6)(D) provide the capability to track the status of units of work
- The system shall (ERA2.2.7)(D) report on the status of units of work
- The system shall (ERA2.2.8)(D) provide the capability to define timeframes for completion of units of work
- The system shall (ERA2.2.9)(D) provide the status of a unit of work at completion
- The system shall (ERA2.2.10)(D) provide the capability to update the status of a unit of work
- The system shall (ERA2.2.11)(D) provide the capability to cancel processing of units of work
- The system shall (ERA2.3)(D) provide the capability to manage workflows
- The system shall (ERA2.3.1)(D) provide the capability to create workflows
- The system shall (ERA2.3.2)(D) provide the capability to delete workflows
- The system shall (ERA2.3.3)(D) provide the capability to integrate forms into workflows
- The system shall (ERA2.3.4)(D) provide the capability to modify workflows
- The system shall (ERA2.3.5)(D) provide the capability to manage multiple workflows simultaneously
- The system shall (ERA2.3.6)(D) enforce sequential completion of workflows
- The system shall (ERA2.3.6.1)(D) provide the capability to enforce sequential completion within workflows
- The system shall (ERA2.4)(D) provide the capability for dynamic manipulation of workflows
- The system shall (ERA2.4.1)(T) provide the capability to queue workflows
- The system shall (ERA2.4.2)(D) provide the capability to suspend workflows
- The system shall (ERA2.4.3)(D) provide the capability to resume a suspended workflow
- The system shall (ERA2.4.4)(D) provide the capability to cancel a workflow
- The system shall (ERA2.4.4.1)(T) provide the capability to rollback changes associated with records that are in a canceled workflow
- The system shall (ERA2.4.5)(T) provide the capability to adjust the priority of a workflow
- The system shall (ERA2.4.6)(T) provide the capability to set the priority of a workflow
- The system shall (ERA2.5)(T) estimate resource requirements associated with a workflow
- The system shall (ERA2.5.1)(T) make estimated resource requirements associated with a workflow available to other systems
- The system shall (ERA2.5.1.1)(T) make estimated resource requirements associated with a workflow available to other systems in accordance with the Interface Requirements Specification



- The system shall (ERA2.5.2)(T) provide the capability to collect resource metrics for workflows
- The system shall (ERA2.6)(D) manage online forms
- The system shall (ERA2.6.1)(D) provide the capability for users to create online forms
- The system shall (ERA2.6.2)(D) provide the capability for users to access online forms
- The system shall (ERA2.6.3)(T) check online forms for correctness
- The system shall (ERA2.6.3.1)(T) validate that the declared types of the attributes on the online form match the declared types of the associated attributes in the data store
- The system shall (ERA2.6.3.2)(T) validate spelling of text on online forms
- The system shall (ERA2.6.4)(D) provide the capability for users to update online forms
- The system shall (ERA2.6.5)(D) provide the capability for users to delete online forms
- The system shall (ERA2.6.6)(D) provide the capability for users to fill out online forms
- The system shall (ERA2.6.7)(D) provide the capability for users to approve filled out forms
- The system shall (ERA2.6.8)(T) check user supplied data on online forms
- The system shall (ERA2.6.8.1)(T) verify user supplied data on online forms for data type
- The system shall (ERA2.6.8.2)(T) verify user supplied data on online forms for specified data ranges
- The system shall (ERA2.6.8.3)(T) verify user supplied data on online forms against pre-defined constraints
- The system shall (ERA2.6.9)(T) provide the capability for users to submit filled out online forms
- The system shall (ERA2.7)(D) provide the capability to notify users about workflow processes
- The system shall (ERA2.7.1)(T) provide the capability to associate notifications with workflows
- The system shall (ERA2.7.2)(D) provide the capability to change notifications attached to workflows
- The system shall (ERA2.7.3)(D) provide the capability to delete notifications attached to workflows
- The system shall (ERA2.8)(T) provide the capability to assign tasks to users based on business rules
- The system shall (ERA2.8.1)(T) provide the capability to queue tasks
- The system shall (ERA2.8.2)(D) provide the capability for users to view queues of tasks
- The system shall (ERA2.8.3)(D) provide the capability for users to select tasks from queues of work assigned to them
- The system shall (ERA2.8.4)(T) provide the capability for a user to move a task from one queue to another queue
- The system shall (ERA2.8.5)(T) provide the capability for escalation at workflow steps
- The system shall (ERA2.9)(T) provide the capability to prioritize any queue
- The system shall (ERA2.9.1)(T) provide the capability to prioritize one queue over another queue
- The system shall (ERA2.9.2)(T) provide the capability to prioritize objects within a queue
- The system shall (ERA2.10)(D) manage FOIA requests
- The system shall (ERA2.10.1)(D) provide the capability for a user to create a FOIA request
- The system shall (ERA2.10.1.1)(D) assign a constant unique identifier for each FOIA request
- The system shall (ERA2.10.1.2)(D) provide the capability to queue FOIA requests
- The system shall (ERA2.10.2)(D) provide the capability for a user to update a FOIA request
- The system shall (ERA2.10.3)(D) provide the capability for a user to delete a FOIA request
- The system shall (ERA2.10.4)(D) provide the capability for a user to view a FOIA request
- The system shall (ERA2.10.5)(D) provide the capability for a user to enter a FOIA Review Determination
- The system shall (ERA2.10.6)(D) provide the capability to acknowledge FOIA requests
- The system shall (ERA2.10.7)(D) provide the capability to assign the status of a FOIA request
- The system shall (ERA2.10.8)(D) provide the capability for a user to initiate an Access Review process on assets retrieved for a FOIA request
- The system shall (ERA2.10.9)(D) generate reports on the status of FOIA requests



- The system shall (ERA2.10.10)(D) generate reports on the disposition of FOIA requests
- The system shall (ERA2.10.11)(D) provide the capability to track the status of FOIA appeals
- The system shall (ERA2.10.12)(D) provide the capability to validate FOIA requests
- The system shall (ERA2.10.13)(D) monitor the aging of FOIA requests.
- The system shall (ERA2.10.14)(D) report aged FOIA requests
- The system shall (ERA2.11)(D) manage Privacy Act requests
- The system shall (ERA2.11.1)(D) provide the capability for a user to create a Privacy Act request
- The system shall (ERA2.11.1.1)(D) assign a constant unique identifier for each Privacy Act request
- The system shall (ERA2.11.2)(D) provide the capability for a user to view a Privacy Act request
- The system shall (ERA2.11.3)(D) provide the capability for a user to update a Privacy Act request
- The system shall (ERA2.11.4)(D) provide the capability for a user to delete a Privacy Act request
- The system shall (ERA2.11.5)(D) provide the capability to queue Privacy Act requests
- The system shall (ERA2.11.6)(D) provide the capability to assign the status of a Privacy Act request
- The system shall (ERA2.11.7)(D) provide the capability to validate Privacy Act requests
- The system shall (ERA2.11.8)(D) provide the capability to capture disclosure information relating to a Privacy Act request
- The system shall (ERA2.11.9)(D) record Privacy Act appeal requests
- The system shall (ERA2.11.10)(D) provide the capability to capture amendment information relating to a Privacy Act request
- The system shall (ERA2.11.11)(D) monitor the aging of Privacy Act Requests
- The system shall (ERA2.11.12)(D) provide the capability for a user to initiate an Access Review process on assets retrieved for a Privacy Act request
- The system shall (ERA2.11.13)(D) report aged Privacy Act requests
- The system shall (ERA2.11.14)(D) provide the capability to acknowledge Privacy Act requests
- The system shall (ERA3)(D) provide the capability for descriptions
- The system shall (ERA3.1)(D) provide the capability for description of records at multiple levels
- The system shall (ERA3.1.1)(D) provide the capability for users to describe sets of records
- The system shall (ERA3.1.1.1)(D) provide the capability to describe collections
- The system shall (ERA3.1.1.2)(D) provide the capability to describe record groups
- The system shall (ERA3.1.1.3)(D) provide the capability to describe series
- The system shall (ERA3.1.1.4)(D) provide the capability to describe file units
- The system shall (ERA3.1.1.5)(A) provide the capability to describe any set of records defined by NARA
- The system shall (ERA3.1.2)(D) provide the capability for item level descriptions
- The system shall (ERA3.2)(D) provide the capability for hierarchical descriptions
- The system shall (ERA3.2.1)(D) provide the capability for hierarchical descriptions of sets of records
- The system shall (ERA3.2.2)(D) provide the capability for hierarchical descriptions of organizations
- The system shall (ERA3.2.3)(D) provide the capability for users to define new hierarchical description levels
- The system shall (ERA3.2.4)(D) impose no practical limit on the number of hierarchical description levels that may be defined
- The system shall (ERA3.2.4.1)(D) support at least one hundred hierarchical description levels
- The system shall (ERA3.2.5)(D) provide the capability to define hierarchical relationships for descriptions
- The system shall (ERA3.3)(D) provide the capability to create descriptions for all records
- The system shall (ERA3.3.1)(D) provide the capability to create descriptions by users
- The system shall (ERA3.3.1.1)(D) provide the capability to create new descriptions by users



- The system shall (ERA3.3.1.2)(D) provide the capability for users to modify existing descriptions to create new descriptions
- The system shall (ERA3.3.1.2.1)(D) provide the capability for users to create new versions of existing descriptions to be able to modify the descriptions
- The system shall (ERA3.3.1.3)(D) provide users with all previously collected records lifecycle data regarding the records to support creation of descriptions
- The system shall (ERA3.3.2)(D) generate descriptions using information gathered throughout the records lifecycle
- The system shall (ERA3.3.2.1)(D) provide the capability for users to select whether or not to have the system create system generated descriptions
- The system shall (ERA3.3.2.2)(D) provide the capability for users to select the hierarchical level of system generated descriptions
- The system shall (ERA3.3.2.3)(D) provide the capability to integrate information provided by approved sources into system generated descriptions
- The system shall (ERA3.3.2.4)(D) provide the capability to integrate information provided by other functions of ERA into system generated descriptions
- The system shall (ERA3.3.2.5)(D) check the quality of system generated descriptions against NARA-defined standards
- The system shall (ERA3.3.2.5.1)(D) use a grammar for verifying the quality of descriptions
- The system shall (ERA3.3.2.5.2)(D) provide the capability to implement rules that conform to the grammar for verifying the quality of descriptions
- The system shall (ERA3.4)(D) provide the capability to link descriptions at all levels with the assets they describe
- The system shall (ERA3.4.1)(D) provide the capability to link descriptions at a hierarchical level with the assets they describe
- The system shall (ERA3.5)(D) provide the capability to import previously created descriptions from other systems
- The system shall (ERA3.5.1)(D) provide the capability for users to select from which systems to import
- The system shall (ERA3.5.2)(D) provide the capability to accept an imported description
- The system shall (ERA3.5.3)(D) delete all versions of a rejected imported description
- The system shall (ERA3.5.4)(D) provide the capability to import descriptions from other systems, in accordance with the Interface Requirements Specification
- The system shall (ERA3.6)(D) provide the capability to export descriptions
- The system shall (ERA3.6.1)(D) provide the capability to output descriptions according to the Interface Requirements Specification
- The system shall (ERA3.6.2)(D) provide the capability to export descriptions according to the Interface Requirements Specification
- The system shall (ERA3.7)(D) provide the capability to update descriptions
- The system shall (ERA3.7.1)(D) provide capability for users to update descriptions
- The system shall (ERA3.7.1.1)(D) provide capability for users to modify versions of a description
- The system shall (ERA3.7.2)(D) update set-level descriptions in response to accretions of additional records to a set
- The system shall (ERA3.7.3)(D) provide the capability to report the records affected when updating a description
- The system shall (ERA3.8)(D) provide the capability to approve descriptions
- The system shall (ERA3.9)(D) provide the capability to manage versioning of descriptions
- The system shall (ERA3.9.1)(D) maintain the version history of a description



The system shall (ERA3.9.2)(D) provide the capability for users to create a new version of an approved description to allow it to be modified

The system shall (ERA3.9.3)(D) provide the capability for a user to view versions of a description

The system shall (ERA3.10)(D) provide the capability to assign a status to descriptions to indicate where the description is in the approval process

The system shall (ERA3.11)(D) provide the capability to delete descriptions

The system shall (ERA3.11.1)(D) provide the capability to delete any version of a description

The system shall (ERA3.12)(D) provide the capability to associate related materials with descriptions

The system shall (ERA3.12.1)(D) provide the capability to link to related resources from within descriptions

The system shall (ERA3.13)(D) accept description information about records provided in electronic forms

The system shall (ERA3.14)(D) provide the capability to include notes fields in descriptions

The system shall (ERA3.14.1)(D) provide the capability for a user to create notes on descriptions

The system shall (ERA3.14.2)(D) provide the capability for a user to view notes on descriptions

The system shall (ERA3.14.3)(D) provide the capability for a user to modify notes on descriptions

The system shall (ERA3.14.4)(D) provide the capability for a user to delete notes on descriptions

The system shall (ERA3.14.5)(D) provide the capability to capture notes on descriptions

The system shall (ERA3.15)(D) provide the capability to describe things other than records

The system shall (ERA3.15.1)(D) provide the capability to describe user defined things

The system shall (ERA3.15.2)(D) provide the capability for users to define things to be described

The system shall (ERA3.16)(D) provide the capability to annotate records

The system shall (ERA3.16.1)(D) provide the capability for a user to create record annotations

The system shall (ERA3.16.2)(D) provide the capability for a user to view record annotations

The system shall (ERA3.16.3)(D) provide the capability for a user to modify record annotations

The system shall (ERA3.16.4)(D) provide the capability for a user to delete record annotations

The system shall (ERA3.17)(D) provide the capability to collaborate on descriptions

The system shall (ERA3.18)(D) assign a constant unique identifier to each version of a description

The system shall (ERA3.19)(D) provide the capability to create descriptions with access restrictions that are different from the access restrictions of the assets being described

The system shall (ERA4)(D) manage authority sources

The system shall (ERA4.1)(D) provide the capability to create authority sources within ERA

The system shall (ERA4.2)(D) provide the capability to access authority sources

The system shall (ERA4.2.1)(D) provide the capability to output authority sources

The system shall (ERA4.2.2)(D) provide the capability to present authority sources

The system shall (ERA4.3)(D) provide the capability to delete authority sources

The system shall (ERA4.4)(D) provide the capability to update authority sources

The system shall (ERA4.5)(D) provide the capability to link to authority sources

The system shall (ERA4.6)(D) provide the capability to import authority sources

The system shall (ERA4.6.1)(D) provide the capability for users to review results from importing authority sources

The system shall (ERA4.6.2)(D) provide the capability for a user to accept imported authority sources

The system shall (ERA4.6.3)(D) provide the capability for a user to reject imported authority sources

The system shall (ERA4.6.4)(D) provide the capability to import authority sources according to the Interface Requirements Specification

The system shall (ERA4.7)(D) provide the capability to use authority sources



The system shall (ERA4.7.1)(D) provide the capability to use authority sources during creation of descriptions

The system shall (ERA4.7.2)(D) provide the capability to use authority sources during searches

The system shall (ERA4.7.3)(D) provide the capability to link to authority sources during creation of descriptions

The system shall (ERA4.7.4)(D) provide the capability to update authority sources in linked descriptions when the authority source changes

The system shall (ERA4.8)(D) manage complex thesauri

The system shall (ERA4.9)(D) provide the capability to combine authority sources

The system shall (ERA4.10)(T) impose no practical limit on the number of authority sources

The system shall (ERA4.10.1)(T) support at least ten thousand authority sources

The system shall (ERA4.11)(D) provide the capability for ERA users to collaborate on authority sources

The system shall (ERA4.12)(D) maintain the version history of an authority source

The system shall (ERA4.12.1)(D) provide the capability for a user to view authority source versions

The system shall (ERA4.12.2)(D) provide the capability for a user to modify authority source versions

The system shall (ERA4.12.3)(D) provide the capability for a user to delete authority source versions

The system shall (ERA4.13)(D) create a new version of an authority source to allow it to be modified

The system shall (ERA4.14)(D) assign a constant unique identifier to each version of an authority source

The system shall (ERA5)(T) provide the capability to manage records lifecycle data

The system shall (ERA5.1)(T) impose no practical restriction on the number of records lifecycle data elements allowed for each record managed by the system

The system shall (ERA5.1.1)(T) support at least three thousand lifecycle data elements for each record managed by the system

The system shall (ERA5.2)(D) impose no practical restriction on the number of records lifecycle data elements allowed for each record set managed by the system

The system shall (ERA5.2.1)(D) support at least three thousand lifecycle data elements per record for each record set managed by the system

The system shall (ERA5.3)(D) provide the capability to define sets of records lifecycle data elements for sets of electronic records

The system shall (ERA5.4)(D) extract records lifecycle data elements from electronic records

The system shall (ERA5.5)(D) extract records lifecycle data elements from templates

The system shall (ERA5.5.1)(D) extract records lifecycle data elements from Lifecycle Document Templates

The system shall (ERA5.6)(D) extract records lifecycle data elements from disposition agreements

The system shall (ERA5.7)(D) provide the capability to define representation information for electronic records

The system shall (ERA5.7.1)(D) provide the capability for the user to define representation information for electronic records in Archival Metadata Templates

The system shall (ERA5.8)(D) provide the capability to check that electronic records correspond to their defined representation information

The system shall (ERA6)(D) provide capabilities for sample records

The system shall (ERA6.1)(D) provide the capability to accept transfers of sample electronic records

The system shall (ERA6.1.1)(D) provide the capability to accept transfers of sample electronic records, according to the Interface Requirements Specification

The system shall (ERA6.1.2)(D) assign a constant unique identifier to each transfer of sample electronic records



- The system shall (ERA6.2)(D) provide access to transfers of sample records
- The system shall (ERA6.3)(D) provide the capability to record information resulting from review of sample electronic records
- The system shall (ERA6.4)(D) provide the capability to remove sample electronic records
- The system shall (ERA6.4.1)(T) provide the capability to destroy sample electronic records
- The system shall (ERA6.4.2)(A) provide the capability to return sample electronic records to the transferring entity
- The system shall (ERA6.4.3)(D) provide the capability to delete sample electronic records
- The system shall (ERA6.5)(D) provide the capability to use sample electronic records to test system processes
- The system shall (ERA6.6)(D) check the authenticity of sample electronic records
- The system shall (ERA6.6.1)(D) report the results of checking sample electronic records
- The system shall (ERA6.6.1.1)(D) report the results of the essential characteristics verification to the user
- The system shall (ERA6.6.2)(D) capture the user's certification of authenticity
- The system shall (ERA6.6.3)(D) verify the essential characteristics of sample electronic records

3.2 PRESERVATION (ERA7-ERA9)

- The system shall (ERA7)(D) provide the capability to manage templates
- The system shall (ERA7.1)(T) provide a template repository
- The system shall (ERA7.2)(D) provide the capability for managing templates within the template repository
- The system shall (ERA7.2.1)(D) provide the capability for users to submit templates to the template repository
- The system shall (ERA7.2.2)(D) provide the capability to access templates in the template repository
- The system shall (ERA7.2.2.1)(D) provide the capability to output versions of a template in the template repository
- The system shall (ERA7.2.2.2)(D) provide the capability to present versions of a template in the template repository
- The system shall (ERA7.2.3)(D) provide the capability to modify templates in the template repository
- The system shall (ERA7.2.3.1)(D) provide the capability to modify versions of a template in the template repository
- The system shall (ERA7.2.4)(D) provide the capability to delete templates from the template repository
- The system shall (ERA7.2.4.1)(D) provide the capability to delete versions of a template in the template repository
- The system shall (ERA7.2.5)(D) identify templates for which all associated electronic records have been destroyed
- The system shall (ERA7.2.6)(D) identify all electronic records associated with a template
- The system shall (ERA7.2.7)(D) identify all templates associated with an electronic record
- The system shall (ERA7.3)(D) provide the capability to produce draft templates
- The system shall (ERA7.4)(D) provide the capability for users to create new templates
- The system shall (ERA7.4.1)(D) provide the capability to create a new template based on an electronic record
- The system shall (ERA7.4.2)(D) provide the capability to create a new template based on a disposition agreement
- The system shall (ERA7.4.3)(D) provide the capability to create a new template based on a set of electronic records



- The system shall (ERA7.4.4)(D) provide model templates
- The system shall (ERA7.4.4.1)(D) provide the capability to create a new template based on a model template
- The system shall (ERA7.5)(D) provide the capability to approve templates
- The system shall (ERA7.6)(A) check templates
- The system shall (ERA7.6.1)(A) check templates according to user supplied rules
- The system shall (ERA7.6.1.1)(A) check templates for conformance to applicable NARA standards
- The system shall (ERA7.6.2)(D) check templates to ensure their functionality
- The system shall (ERA7.6.2.1)(D) provide the results of the template check
- The system shall (ERA7.6.2.1.1)(D) provide the results of the template verification to the user
- The system shall (ERA7.6.3)(D) check that templates are well-formed
- The system shall (ERA7.6.4)(D) check associations between templates
- The system shall (ERA7.7)(D) associate templates with defined domains
- The system shall (ERA7.7.1)(D) provide the capability to associate templates with abstract sets of electronic records
- The system shall (ERA7.7.2)(D) provide the capability to associate templates with empirical sets of electronic records
- The system shall (ERA7.7.3)(D) provide the capability to associate templates with transactions in the lifecycle management of records
- The system shall (ERA7.7.4)(D) provide the capability to associate templates with digital data types
- The system shall (ERA7.7.5)(D) provide the capability to associate templates with mappings of one data type to another
- The system shall (ERA7.8)(D) provide the capability to associate templates with other system objects
- The system shall (ERA7.8.1)(D) provide the capability to associate electronic records with registered templates
- The system shall (ERA7.8.2)(D) provide the capability to associate disposition agreements with registered templates
- The system shall (ERA7.8.3)(D) provide the capability to associate representation information for electronic records with registered templates
- The system shall (ERA7.8.4)(D) provide the capability to associate registered templates with transactions
- The system shall (ERA7.8.5)(D) provide the capability for registered templates to reference other registered templates
- The system shall (ERA7.8.5.1)(D) provide the capability for approved templates to reference other approved templates
- The system shall (ERA7.9)(D) provide the capability for versioning of templates
- The system shall (ERA7.9.1)(D) maintain the version history of templates
- The system shall (ERA7.9.2)(D) create a new version of an approved template to allow it to be modified
- The system shall (ERA7.9.3)(D) assign a constant unique identifier to each version of a template
- The system shall (ERA7.10)(D) provide the capability for hierarchies of templates
- The system shall (ERA7.11)(D) provide the capability to import templates from external systems' template repositories into the ERA template repository
- The system shall (ERA7.11.1)(D) provide the capability to import templates from external systems' template repositories into the ERA template repository, in accordance with the Interface Requirements Specification
- The system shall (ERA7.12)(D) provide the capability to output templates



The system shall (ERA7.12.1)(D) provide the capability to output templates, in accordance with the Interface Requirements Specification

The system shall (ERA7.13)(D) provide the capability for users to collaborate on templates

The system shall (ERA7.14)(D) provide the capability for taxonomies of templates

The system shall (ERA8)(D) provide capabilities for preserving electronic records

The system shall (ERA8.1)(D) manage the preservation process of electronic records

The system shall (ERA8.1.1)(D) provide the capability for preservation assessment of electronic records

The system shall (ERA8.1.1.1)(D) provide the capability for preservation assessments of electronic records scheduled for transfer to NARA

The system shall (ERA8.1.1.1.1)(D) provide the capability for preservation assessments of electronic records planned for transfer to NARA but not scheduled

The system shall (ERA8.1.1.2)(D) provide the capability for preservation assessment of electronic records at the time of ingest

The system shall (ERA8.1.1.3)(D) provide the capability for preservation assessment of electronic records already stored in ERA

The system shall (ERA8.1.1.4)(D) provide the capability to apply templates in preservation assessment

The system shall (ERA8.1.1.5)(D) maintain the version history of preservation assessments

The system shall (ERA8.1.1.6)(T) assign a constant unique identifier to each preservation assessment

The system shall (ERA8.1.1.7)(T) create a new version of an approved preservation assessment to allow it to be modified

The system shall (ERA8.1.1.8)(T) provide the capability to view versions of a preservation assessment

The system shall (ERA8.1.1.9)(T) provide the capability to modify versions of a preservation assessment

The system shall (ERA8.1.1.10)(T) provide the capability to delete versions of a preservation assessment

The system shall (ERA8.1.1.11)(D) provide the capability to create a preservation assessment

The system shall (ERA8.1.2)(D) provide the capability to schedule the automatic execution of preservation processing

The system shall (ERA8.1.2.1)(D) provide the capability to queue automatic execution of preservation processing via workflow

The system shall (ERA8.1.3)(D) provide the capability to use the user interface to initiate transformation of electronic records by the system

The system shall (ERA8.1.3.1)(D) provide the capability for the user to initiate digital adaptation of electronic records by the system

The system shall (ERA8.1.4)(T) provide the capability to mass process sets of electronic records

The system shall (ERA8.1.4.1)(T) provide the capability to mass process sets of data files

The system shall (ERA8.1.4.1.1)(T) provide the capability to perform preservation processing on sets of data files

The system shall (ERA8.1.4.2)(T) provide the capability to perform preservation processing on sets of electronic records

The system shall (ERA8.1.5)(T) maintain an audit trail of all preservation processing

The system shall (ERA8.1.5.1)(D) include the preservation audit trail within the records lifecycle data

The system shall (ERA8.1.5.1.1)(D) include a preservation audit log within the records lifecycle data

The system shall (ERA8.1.5.2)(T) maintain an audit log for preservation processing

The system shall (ERA8.1.6)(D) preserve the integrity of records throughout the preservation processes



The system shall (ERA8.1.6.1)(I) ensure that relationships among records are not altered in preservation processing

The system shall (ERA8.1.6.1.1)(I) ensure that relationships among records are retained in preservation processing

The system shall (ERA8.1.6.2)(D) ensure that all data files stored in the system are associated with the records they constitute

The system shall (ERA8.1.6.2.1)(D) ensure that all data files stored in the system are associated with the sets of electronic records they constitute

The system shall (ERA8.1.6.3)(D) maintain electronic record content across preservation processes

The system shall (ERA8.1.6.4)(A) ensure that all specified behavior associated with an electronic record is maintained across preservation processes

The system shall (ERA8.1.6.4.1)(D) provide the capability to specify which behaviors of electronic records must be maintained across preservation processes

The system shall (ERA8.1.6.4.1.1)(D) provide the capability to specify in the preservation and service plan which behaviors of electronic records must be maintained across preservation processes

The system shall (ERA8.1.6.4.2)(A) maintain the behavior of an electronic record across preservation processes as specified in the preservation and service plan for that record

The system shall (ERA8.1.6.5)(T) maintain electronic record context across preservation processes

The system shall (ERA8.1.6.6)(T) maintain specified electronic record structure across preservation processes

The system shall (ERA8.1.6.6.1)(T) maintain electronic record structure across preservation processes as specified in the preservation and service plan

The system shall (ERA8.1.6.7)(D) maintain specified electronic record presentation across preservation processes

The system shall (ERA8.1.6.7.1)(D) maintain electronic record presentation across preservation processes as specified in the preservation and service plan

The system shall (ERA8.2)(D) provide the capability to ingest data files in the digital formats in which they were received

The system shall (ERA8.2.1)(D) provide the capability to store data files in the digital formats in which they were received

The system shall (ERA8.3)(D) capture attributes of all ingested data files

The system shall (ERA8.3.1)(T) capture the identifiers of all ingested data files

The system shall (ERA8.3.2)(T) capture the data types of all ingested data files

The system shall (ERA8.3.2.1)(D) accept data files of undeterminable data types

The system shall (ERA8.3.2.2)(D) report on electronic files of undeterminable data type

The system shall (ERA8.3.2.3)(T) store attributes extracted from ingested data files

The system shall (ERA8.3.2.4)(T) store identifiers extracted from ingested data files

The system shall (ERA8.3.2.5)(T) store data types extracted from ingested data files

The system shall (ERA8.4)(T) specify the relationship of each ingested data file with an electronic record

The system shall (ERA8.4.1)(T) specify the relationship of each ingested data file with a set of electronic records

The system shall (ERA8.5)(D) provide the capability to transform any ingested data file to a different format

The system shall (ERA8.5.1)(T) have the capability to check that a file output from a transformation retains specified attributes of the input data



The system shall (ERA8.5.1.1)(T) provide the capability to verify that the result of a digital adaptation retains attributes of the original digital item as specified in the preservation and service plan for that item

The system shall (ERA8.5.2)(T) have the capability to check that a file output from a transformation retains the specified behaviors of the input data

The system shall (ERA8.5.2.1)(T) provide the capability to verify that the result of a digital adaptation retains behavior of the original digital item as specified in the preservation and service plan for that item

The system shall (ERA8.5.3)(D) specify the relationship of each transformed data file to an electronic record

The system shall (ERA8.5.3.1)(T) specify the relationship of each transformed data file to a set of electronic records

The system shall (ERA8.5.3.1.1)(T) identify the relationship of each digitally adapted data file to a set of electronic records

The system shall (ERA8.5.3.2)(D) identify the relationship of each digitally adapted data file to an electronic record

The system shall (ERA8.5.4)(D) provide the capability to perform digital adaptation on an ingested data file

The system shall (ERA8.6)(A) provide the capability to transform electronic records into persistent formats

The system shall (ERA8.6.1)(A) provide the capability to transform electronic record/data types into a hardware and software independent format

The system shall (ERA8.6.1.1)(D) check the results of transformations for conformance with assigned templates

The system shall (ERA8.6.1.1.1)(D) validate the results of digital adaptations for conformance with associated templates

The system shall (ERA8.6.1.2)(D) provide the capability to report the results of transformations

The system shall (ERA8.6.1.2.1)(D) provide the capability to report on the documented effects on content from digital adaptations

The system shall (ERA8.6.1.2.2)(D) provide the capability to report on the documented effects on presentation from digital adaptations

The system shall (ERA8.6.1.2.3)(D) provide the capability to report on the documented effects on behavior from digital adaptations

The system shall (ERA8.6.1.2.4)(D) provide the capability to report on the detected effects on content from digital adaptations

The system shall (ERA8.6.1.2.5)(D) provide the capability to report on the detected effects on presentation from digital adaptations

The system shall (ERA8.6.1.2.6)(D) provide the capability to report on the detected effects on behavior from digital adaptations

The system shall (ERA8.6.1.2.7)(D) provide the capability to report the results of digital adaptations

The system shall (ERA8.6.1.3)(D) provide the capability to flag records that have undergone incomplete transformations

The system shall (ERA8.6.1.3.1)(D) provide the capability to identify records that have undergone incomplete digital adaptations

The system shall (ERA8.6.1.4)(T) provide the capability to flag records that have undergone incorrect transformations



The system shall (ERA8.6.1.4.1)(T) provide the capability to identify records that have undergone incorrect digital adaptations

The system shall (ERA8.6.1.5)(D) provide the capability to correct problems with transformations

The system shall (ERA8.6.1.5.1)(D) provide the capability for users to manually correct problems with digital adaptation processes

The system shall (ERA8.6.1.5.2)(T) provide the capability to deprecate a digital adaptation process

The system shall (ERA8.6.1.5.3)(D) notify users when a digital adaptation process is deprecated

The system shall (ERA8.6.1.5.4)(D) provide the capability to correct problems with digital adaptations

The system shall (ERA8.6.1.6)(D) provide the capability to reinsert corrected transformations

The system shall (ERA8.6.1.6.1)(D) provide the capability to reinsert corrected digital items into electronic records

The system shall (ERA8.6.1.7)(A) provide the capability to digitally adapt electronic records into a hardware/software independent format

The system shall (ERA8.6.2)(A) provide the capability to digitally adapt electronic records into persistent formats

The system shall (ERA8.7)(D) store the files output from preservation processes

The system shall (ERA8.7.1)(D) store the files output from format transformation

The system shall (ERA8.7.1.1)(D) store the resulting digital items from transforming digital adaptation processes

The system shall (ERA8.7.2)(D) store the files output from transformation to a persistent format

The system shall (ERA8.7.2.1)(D) store the resulting digital items from digital adaptation processes that produce persistent objects

The system shall (ERA8.7.3)(D) store the digital items output from preservation processes

The system shall (ERA8.8)(I) provide foreign language extensibility such that foreign language electronic records may be preserved in the future without the need for major redesign

The system shall (ERA8.9)(D) provide the capability for preservation planning

The system shall (ERA8.9.1)(D) provide the capability for users to create preservation and access plans

The system shall (ERA8.9.1.1)(D) provide the capability for users to create a new version of an approved preservation and service plan to allow it to be modified

The system shall (ERA8.9.2)(D) provide the capability to access preservation and access plans

The system shall (ERA8.9.2.1)(D) provide the capability to output versions of a preservation and service plan

The system shall (ERA8.9.2.2)(D) provide the capability to present versions of a preservation and service plan

The system shall (ERA8.9.3)(D) provide the capability for users to update preservation and access plans

The system shall (ERA8.9.3.1)(D) provide the capability for users to modify versions of a preservation and service plan

The system shall (ERA8.9.4)(D) provide the capability for users to delete preservation and access plans

The system shall (ERA8.9.4.1)(D) provide the capability for users to delete versions of a preservation and service plan

The system shall (ERA8.9.5)(D) provide the capability for users to associate a preservation and service plan with electronic records

The system shall (ERA8.9.6)(D) provide the capability for users to associate a preservation and service plan with an item in a disposition agreement



The system shall (ERA8.9.7)(D) provide the capability for the preservation and service plan to define the preservation level for the electronic records to which it is associated

The system shall (ERA8.9.8)(D) provide the capability for the preservation and service plan to define the access methods for the electronic records to which it is associated

The system shall (ERA8.9.9)(D) provide the capability for users to collaborate on preservation and service plans

The system shall (ERA8.9.10)(D) maintain the version history of a preservation and service plan

The system shall (ERA8.9.11)(D) assign a constant unique identifier to each version of a preservation and service plan

The system shall (ERA8.9.12)(D) provide the capability for a user to approve preservation and service plans

The system shall (ERA8.9.13)(D) provide the capability to create a preservation and service plan

The system shall (ERA8.10)(D) provide a registry of data type descriptors

The system shall (ERA8.10.1)(D) provide the capability to add data type descriptors to the data type registry

The system shall (ERA8.10.2)(D) provide the capability to update data type descriptors in the data type registry

The system shall (ERA8.10.3)(D) provide the capability to access data type descriptors from the data type registry

The system shall (ERA8.10.4)(D) provide the capability to delete data type descriptors from the data type registry

The system shall (ERA8.10.5)(D) provide the capability to search data type descriptors from the data type registry

The system shall (ERA8.10.6)(D) provide the capability to list all data type descriptors contained in the data type registry

The system shall (ERA8.10.7)(D) maintain the version history of data type descriptors

The system shall (ERA8.10.7.1)(D) assign a constant unique identifier to each version of each data type descriptor

The system shall (ERA8.10.7.2)(D) create a new version of an approved data type descriptor to allow it to be modified

The system shall (ERA8.10.7.3)(D) provide the capability to view versions of a data type descriptor

The system shall (ERA8.10.7.4)(D) provide the capability to modify versions of a data type descriptor

The system shall (ERA8.10.7.5)(D) provide the capability to delete versions of a data type descriptor

The system shall (ERA8.11)(T) provide the capability to validate the purported data type of a digital item

The system shall (ERA8.12)(D) report its degree of confidence that it has correctly determined the data type of a digital item

The system shall (ERA8.13)(D) provide a registry of digital adaptation descriptors

The system shall (ERA8.13.1)(D) provide the capability to add digital adaptation descriptors to the digital adaptation descriptor registry

The system shall (ERA8.13.2)(D) provide the capability to update digital adaptation descriptors in the digital adaptation descriptor registry

The system shall (ERA8.13.3)(D) provide the capability to delete digital adaptation descriptors from the digital adaptation descriptor registry

The system shall (ERA8.13.4)(D) provide the capability to access digital adaptation descriptors from the digital adaptation descriptor registry



The system shall (ERA8.13.5)(D) provide the capability to search digital adaptation descriptors contained in the digital adaptation descriptor registry

The system shall (ERA8.13.6)(I) provide the capability to list all digital adaptation descriptors contained in the digital adaptation descriptor registry

The system shall (ERA8.13.7)(D) maintain the version history of digital adaptation descriptors

The system shall (ERA8.13.8)(D) assign a constant unique identifier to each version of a digital adaptation descriptor

The system shall (ERA8.14)(D) provide the capability to associate digital adaptation descriptors with data type descriptors

The system shall (ERA8.15)(D) create a new version of an approved digital adaptation descriptor to allow it to be modified

The system shall (ERA8.16)(D) provide the capability to view versions of a digital adaptation descriptor

The system shall (ERA8.17)(D) provide the capability to modify versions of a digital adaptation descriptor

The system shall (ERA8.18)(D) provide the capability to delete versions of a digital adaptation descriptor

The system shall (ERA8.19)(T) provide the capability to associate digital adaptation processors with digital adaptation descriptors

The system shall (ERA8.20)(T) capture a user's certification of authenticity of digital adaptation processors

The system shall (ERA9)(D) provide the capability for arrangements of electronic records

The system shall (ERA9.1)(T) provide the capability to provide electronic records to users in accordance with any defined arrangement

The system shall (ERA9.2)(D) provide the capability for users to input data defining an arrangement of records

The system shall (ERA9.2.1)(D) provide the capability to use information provided by the transferring entity to determine the arrangement

The system shall (ERA9.2.2)(D) provide the capability to use templates provided by the transferring entity to determine the arrangement

The system shall (ERA9.2.3)(D) provide the capability to capture original order information from assets

The system shall (ERA9.2.4)(D) provide the capability to use Archival Metadata Templates to determine the original order

The system shall (ERA9.3)(D) provide the capability to recreate the arrangement of electronic records as defined in information provided by the transferring entity

The system shall (ERA9.3.1)(D) provide the capability to recreate the original order of electronic records as defined in Transfer Agreements

The system shall (ERA9.4)(D) provide the capability for multiple arrangements

The system shall (ERA9.4.1)(D) manage versions of arrangements

The system shall (ERA9.4.1.1)(D) assign a constant unique identifier to each version of an arrangement

The system shall (ERA9.4.1.2)(D) create a new version of an approved arrangement to allow it to be modified

The system shall (ERA9.4.1.3)(D) provide the capability to view versions of an arrangement

The system shall (ERA9.4.1.4)(D) provide the capability to modify versions of an arrangement

The system shall (ERA9.4.1.5)(D) maintain the version history of an arrangement

The system shall (ERA9.4.2)(D) provide the capability to define arrangements of electronic records in addition to the original order



The system shall (ERA9.4.3)(D) provide the capability to implement arrangements of electronic records in addition to the original order

The system shall (ERA9.4.4)(D) provide the capability to present arrangements of electronic records in addition to the original order

The system shall (ERA9.4.5)(D) provide the capability to define the relationship between an electronic record in one arrangement and an electronic record in another arrangement

The system shall (ERA9.5)(D) provide the capability to delete arrangements

The system shall (ERA9.5.1)(D) provide the capability for users to delete versions of arrangements that are not the original order

The system shall (ERA9.6)(D) provide the capability to associate electronic records with a defined arrangement

The system shall (ERA9.7)(D) provide the capability to define the position of an electronic record in an arrangement

The system shall (ERA9.8)(D) provide the capability for hierarchical grouping of sets of electronic records within an arrangement

The system shall (ERA9.9)(D) provide the capability to associate additional electronic records with an arrangement over time

The system shall (ERA9.9.1)(D) provide the capability to add electronic records to an arrangement

The system shall (ERA9.10)(D) provide the capability to associate additional sets of electronic records with an arrangement over time

The system shall (ERA9.10.1)(D) provide the capability to add electronic record sets to an arrangement

The system shall (ERA9.11)(D) require that an original order be defined for any set of records in the system

The system shall (ERA9.11.1)(D) provide the capability to designate a defined arrangement as the original order of a set of records

The system shall (ERA9.11.2)(D) permit only one arrangement to be defined as the original order for any set of records in the system

The system shall (ERA9.12)(D) provide the capability for ERA users to collaborate on arrangements

The system shall (ERA9.13)(D) provide the capability to remove electronic records from an arrangement

The system shall (ERA9.14)(D) provide the capability to remove electronic record sets from an arrangement

The system shall (ERA9.15)(D) provide the capability to create an arrangement

3.3 ARCHIVAL STORAGE (ERA10-ERA12)

The system shall (ERA10)(D) store assets

The system shall (ERA10.1)(D) provide the capability to store copies of electronic records

The system shall (ERA10.1.1)(D) identify the version of the electronic record as transferred from the transferring entity

The system shall (ERA10.1.2)(D) store a copy of the electronic records produced as a result of preservation processing

The system shall (ERA10.1.3)(D) provide the capability to replace copies with new versions

The system shall (ERA10.1.3.1)(D) provide the capability to replace a copy of an electronic record with an updated version of that same electronic record

The system shall (ERA10.1.4)(D) produce copies of all assets for off-site storage

The system shall (ERA10.1.4.1)(D) store a duplicate copy of an asset at another ERA site

The system shall (ERA10.2)(D) provide the capability to manage assets



The system shall (ERA10.2.1)(D) provide the capability to export self-describing media containing assets from the ERA data storage repository

The system shall (ERA10.2.1.1)(D) provide the capability to export self-describing media containing assets from the ERA data storage repository in accordance with the Interface Requirements Specification

The system shall (ERA10.2.2)(D) provide the capability to import self-describing media containing electronic records into the ERA primary data storage repository

The system shall (ERA10.2.3)(D) provide the capability to recover any electronic record in the event of catastrophic loss

The system shall (ERA10.2.3.1)(D) provide the capability to recover an electronic record by retrieving a copy from self-describing media

The system shall (ERA10.2.3.2)(D) provide the capability to recover an electronic record by retrieving a copy from another ERA instance

The system shall (ERA10.2.4)(D) provide the capability for location-transparent access to all of the assets it contains

The system shall (ERA10.2.5)(D) maintain an inventory of all of the assets it contains

The system shall (ERA10.2.5.1)(D) provide the capability to report on its inventory

The system shall (ERA10.2.5.2)(D) maintain an archive file directory defining the physical locations of all electronic records within the system

The system shall (ERA10.2.5.3)(D) provide the capability to recover the archive electronic file directory

The system shall (ERA10.2.5.3.1)(D) provide the capability to backup the archive electronic file directory

The system shall (ERA10.2.5.3.2)(D) provide the capability to recover the archive electronic file directory from a backup copy

The system shall (ERA10.2.5.3.3)(D) provide the capability to recover the archive electronic file directory from the archive media

The system shall (ERA10.2.6)(D) provide the capability to track information about the movement of electronic files

The system shall (ERA10.2.7)(D) provide the capability to check the inventory of the archive against the archive electronic file directory

The system shall (ERA10.2.7.1)(D) provide the capability to identify differences between the inventory of the archive and the archive electronic file directory

The system shall (ERA10.2.7.2)(D) provide the capability to report on differences between the inventory of the archive and the archive electronic file directory

The system shall (ERA11)(D) provide automated media handling

The system shall (ERA11.1)(D) provide a physical media tracking system

The system shall (ERA11.1.1)(D) track the location of each piece of removable archival storage media from the time it is introduced into the system until it is removed from ERA

The system shall (ERA11.1.2)(D) maintain information on the current location of removable media

The system shall (ERA11.1.3)(D) provide a tracking system for removable archival storage media

The system shall (ERA11.2)(D) provide the capability to print archive media identification labels

The system shall (ERA11.2.1)(D) provide the capability to print identification labels for removable archive media

The system shall (ERA11.3)(D) provide the capability for automated access to assets stored on removable archive media

The system shall (ERA12)(A) provide media management



The system shall (ERA12.1)(A) provide the capability for automated movement of electronic records to different media to accommodate new technology

The system shall (ERA12.2)(T) not modify electronic records to accommodate physical storage media

The system shall (ERA12.2.1)(T) provide the capability for the user to allow lossless hardware compression

The system shall (ERA12.3)(D) use storage media that is self-describing

The system shall (ERA12.3.1)(D) use archive storage media that is self-describing

The system shall (ERA12.4)(D) provide tools for recovering electronic records from failed media

The system shall (ERA12.4.1)(D) provide the capability to recover electronic records from failed media

The system shall (ERA12.4.2)(D) provide the capability to restore an electronic record from a copy

The system shall (ERA12.5)(T) store electronic data files such that an individual file does not span media volumes

The system shall (ERA12.5.1)(D) report to a user when an electronic record does not fit on a single storage media volume

The system shall (ERA12.5.2)(D) provide the capability for a user to allow the system to store an electronic record on multiple removable storage media when that record does not fit on a single storage medium

The system shall (ERA12.5.3)(D) include references to other media volumes in the self-describing storage media when an electronic record spans multiple media volumes

The system shall (ERA12.6)(A) provide active safeguards to protect against archive media degradation

The system shall (ERA12.7)(T) statistically monitor the raw Bit Error Rate (BER) of storage media in the archive

The system shall (ERA12.8)(T) statistically monitor the corrected Bit Error Rate (BER) of storage media in the archive

The system shall (ERA12.9)(I) manage refreshment of archive media

The system shall (ERA12.9.1)(I) provide the capability to refresh removable archive media

The system shall (ERA12.9.2)(I) provide the capability to determine when media has degraded

The system shall (ERA12.9.3)(I) provide the capability to determine when the media has reached end-of-life based on age

The system shall (ERA12.9.4)(I) provide the capability to determine when the media has reached end-of-life based on usage

The system shall (ERA12.9.5)(I) provide the capability to determine when the media has failed

The system shall (ERA12.10)(D) manage copying of archive media

The system shall (ERA12.10.1)(D) provide the capability for copying media used in the archive to another media

The system shall (ERA12.10.2)(D) provide the capability to export copied media

The system shall (ERA12.11)(D) provide the capability to use archive media that is capable of being manually mounted

3.4 SECURITY (ERA13-ERA14)

The system shall (ERA13)(D) manage security for electronic records

The system shall (ERA13.1)(D) provide the capability to manage electronic records according to the ownership of the electronic record

The system shall (ERA13.1.1)(D) provide the capability to manage security for electronic records according to the current ownership of the electronic record

The system shall (ERA13.1.2)(D) provide the capability to manage security for electronic records according to access policies



The system shall (ERA13.1.3)(D) provide the capability to manage security for electronic records according to the ownership of the electronic record

The system shall (ERA13.2)(D) provide the capability to manage electronic records according to the access restrictions of the record

The system shall (ERA13.2.1)(D) provide the capability to control data up to the Top Secret Sensitive Compartmented Information (TS/SCI) level

The system shall (ERA13.2.2)(I) physically separate records classified as Top Secret or higher from other records

The system shall (ERA13.3)(D) provide the capability to recognize the access restrictions of electronic records as applied by the transferring entity

The system shall (ERA13.4)(D) recognize multiple access restriction levels defined by NARA

The system shall (ERA13.5)(D) provide the capability to parse the content of assets to identify potentially access restricted content

The system shall (ERA13.5.1)(D) make recommendations as to the potential access restriction level of assets

The system shall (ERA13.5.1.1)(D) make access restriction level recommendations based on NARA-defined rules

The system shall (ERA13.5.1.1.1)(D) provide users the capability to update access restriction determination rules

The system shall (ERA13.5.1.1.2)(D) provide users the capability to delete access restriction determination rules

The system shall (ERA13.5.1.1.3)(D) provide users the capability to create access restriction determination rules

The system shall (ERA13.5.1.2)(D) make access restriction level recommendations based on comparing assets contents with defined lists of terms

The system shall (ERA13.5.1.2.1)(D) provide users the capability to update access restriction determination content terms

The system shall (ERA13.5.1.2.2)(D) provide users the capability to delete access restriction determination content terms

The system shall (ERA13.5.1.3)(D) make access restriction recommendations based on the results of comparing terms and executing rules against assets

The system shall (ERA13.5.2)(D) provide the capability to report the results of parsing an asset for potentially access restricted content

The system shall (ERA13.5.2.1)(D) indicate any content it identifies as potentially access restricted

The system shall (ERA13.5.2.2)(D) report on the basis on which access restriction recommendations were made

The system shall (ERA13.5.2.3)(D) provide the capability to summarize the results of parsing an asset for potentially access restricted content

The system shall (ERA13.5.2.3.1)(D) provide the capability to display detailed results of parsing an asset for potentially access restricted content

The system shall (ERA13.5.2.4)(D) provide the capability to summarize the results of parsing a set of assets for potentially access restricted content

The system shall (ERA13.5.2.4.1)(D) provide the capability to display detailed results of parsing a set of assets for potentially access restricted content

The system shall (ERA13.5.3)(D) provide the capability for users to confirm the results of examination of assets for potentially access restricted content



- The system shall (ERA13.5.3.1)(D) provide the capability for users to override any access restriction recommendation made by the system
- The system shall (ERA13.5.3.1.1)(D) provide the capability for users to override the annotation of content as potentially access restricted
- The system shall (ERA13.5.3.1.2)(D) provide the capability for users to override the basis for annotating of content as potentially access restricted
- The system shall (ERA13.5.3.2)(D) provide the capability for users to accept an access restriction recommendation made by the system
- The system shall (ERA13.5.4)(D) compare access restriction determination terms against assets
- The system shall (ERA13.5.5)(T) execute access restriction determination rules against assets
- The system shall (ERA13.6)(D) provide the capability for users to designate the potential access restrictions of assets
- The system shall (ERA13.6.1)(D) provide the capability for users to annotate any portion of the content of an asset as potentially access restricted
- The system shall (ERA13.6.2)(D) provide the capability for users to annotate the content of an asset as potentially access restricted using any defined level of access restriction
- The system shall (ERA13.6.3)(D) provide the capability for users to indicate the basis for annotating content as potentially access restricted
- The system shall (ERA13.6.4)(D) provide the capability for users to remove potential access restriction annotations
- The system shall (ERA13.7)(D) segregate electronic records during ingest based on potential access restrictions
- The system shall (ERA13.7.1)(D) separate incoming assets of undetermined access restrictions from the rest of ERA's assets until the access restrictions of the incoming assets can be determined
- The system shall (ERA13.7.2)(D) store assets that have been identified as potentially access restricted in a separate area pending review
- The system shall (ERA13.7.3)(D) provide the capability to segregate electronic records based upon access restrictions
- The system shall (ERA13.8)(I) process electronic records in environments appropriate to their stated access restrictions
- The system shall (ERA13.9)(T) prohibit unauthorized alteration of electronic records
- The system shall (ERA13.10)(T) prohibit unauthorized alteration of system data
- The system shall (ERA13.11)(D) provide the capability for non-repudiation at the electronic record level
- The system shall (ERA13.12)(T) store accessioned electronic records in a non-encrypted state
- The system shall (ERA13.13)(I) provide the capability for configurable data access control schemes
- The system shall (ERA13.13.1)(D) assign access control privileges according to a user's identity
- The system shall (ERA13.13.2)(D) provide the capability for user group access control
- The system shall (ERA13.13.3)(D) provide the capability to determine a user's identity through the use of strong authentication technology
- The system shall (ERA13.13.4)(D) control access to electronic records according to access restrictions
- The system shall (ERA13.13.5)(D) control access to electronic records according to ownership rights
- The system shall (ERA14)(T) provide security for itself
- The system shall (ERA14.1)(T) prevent unauthorized system access
- The system shall (ERA14.1.1)(T) prevent unauthorized physical access to the data-center
- The system shall (ERA14.1.2)(T) prevent unauthorized network access
- The system shall (ERA14.1.3)(T) prevent unauthorized access to services
- The system shall (ERA14.1.4)(T) prevent unauthorized access to data



The system shall (ERA14.1.5)(T) prevent unauthorized system access in accordance with the Security Plan

The system shall (ERA14.2)(T) provide intrusion deterrence

The system shall (ERA14.2.1)(T) provide deterrence to physical intrusion to the data-center

The system shall (ERA14.2.2)(T) provide deterrence to network intrusion

The system shall (ERA14.2.3)(T) provide deterrence to service intrusion

The system shall (ERA14.2.4)(T) provide deterrence to data intrusion

The system shall (ERA14.3)(T) provide intrusion detection

The system shall (ERA14.3.1)(T) identify occurrences of attempted intrusions

The system shall (ERA14.3.1.1)(T) identify occurrences of unsuccessful physical intrusion to the data-center

The system shall (ERA14.3.1.2)(T) identify occurrences of unsuccessful network intrusion

The system shall (ERA14.3.1.3)(T) identify occurrences of unsuccessful service intrusion

The system shall (ERA14.3.1.4)(T) identify occurrences of unsuccessful data intrusion

The system shall (ERA14.3.1.5)(T) identify occurrences of unsuccessful intrusions

The system shall (ERA14.3.2)(T) identify occurrences of successful intrusions

The system shall (ERA14.3.2.1)(T) identify occurrences of successful physical intrusion to the data-center

The system shall (ERA14.3.2.2)(T) identify occurrences of successful network intrusion

The system shall (ERA14.3.2.3)(T) identify occurrences of successful service intrusion

The system shall (ERA14.3.2.4)(T) identify occurrences of successful data intrusion

The system shall (ERA14.4)(D) provide data confidentiality of all potentially access restricted information that is exchanged between the system and any other system

The system shall (ERA14.4.1)(D) provide data confidentiality of potentially access restricted information that is exchanged between the system and systems that comply with the the Interface Requirements Specification

The system shall (ERA14.5)(T) provide virus detection

The system shall (ERA14.6)(T) provide virus elimination

The system shall (ERA14.6.1)(T) provide the capability to quarantine files where removing the virus would damage the file

The system shall (ERA14.6.2)(T) provide the capability to remove viruses where doing so will not damage the file

The system shall (ERA14.7)(I) operate in accordance with applicable security guidance and rules

The system shall (ERA14.7.1)(I) operate in accordance with the Federal Information Security Management Act of 2002 (FISMA)

The system shall (ERA14.7.2)(I) operate in accordance with the NARA Policy Directive, NARA 804, Information Technology Systems Security Handbook

The system shall (ERA14.8)(D) employ strong authentication techniques when exchanging data with other systems

The system shall (ERA14.8.1)(D) employ strong authentication techniques when exchanging data with other systems that can accommodate strong authentication according to the Interface Requirements Specification

The system shall (ERA14.9)(D) provide the capability for backup of ERA

The system shall (ERA14.9.1)(D) provide the capability for the backup of all COTS products files required to re-establish ERA

The system shall (ERA14.9.2)(D) provide the capability for the backup of all application files required to rebuild ERA



The system shall (ERA14.9.3)(D) provide the capability for the backup of all configuration support files required to rebuild ERA

The system shall (ERA14.9.4)(D) provide the capability for the backup of dynamically persisted system data required to rebuild ERA

The system shall (ERA14.10)(D) control access to services based on user privileges

The system shall (ERA14.10.1)(D) control access to service privileges according to Boolean combinations of group membership

The system shall (ERA14.11)(D) control access to records lifecycle data based on a user's access privileges

The system shall (ERA14.12)(D) provide the capability to change a user's access privileges

The system shall (ERA14.12.1)(D) provide the capability to grant an individual access privilege for a user

The system shall (ERA14.12.2)(D) provide the capability to change an individual access privilege for a user

The system shall (ERA14.12.3)(D) provide the capability to revoke all access privileges for a user

The system shall (ERA14.13)(D) provide the capability to associate user privilege sets with sets of electronic records

The system shall (ERA14.14)(D) provide the capability to manage access privileges for groups of users

The system shall (ERA14.14.1)(D) provide the capability for a user to be a member of multiple groups

The system shall (ERA14.14.2)(D) provide the capability to change access privileges for an entire group of users

The system shall (ERA14.14.3)(T) apply access privileges for users who are members of multiple groups according to policy

The system shall (ERA14.15)(T) provide the capability for recovery of ERA

The system shall (ERA14.15.1)(T) provide the capability to recover all COTS products files required to re-establish ERA

The system shall (ERA14.15.1.1)(T) provide the capability to re-build COTS product files to the state necessary to re-establish ERA according to performance specification requirements for the ERA system

The system shall (ERA14.15.2)(T) provide the capability to recover all application files required to re-establish ERA

The system shall (ERA14.15.2.1)(T) provide the capability to re-build application files to the state necessary to re-establish ERA according to performance specification requirements for the ERA

The system shall (ERA14.15.3)(T) provide the capability to recover all configuration support files required to re-establish ERA

The system shall (ERA14.15.3.1)(T) provide the capability to re-build configuration support files to the state necessary to re-establish ERA according to performance specification requirements for the ERA system

The system shall (ERA14.15.4)(D) provide the capability to recover from a hardware failure as required to re-establish ERA

The system shall (ERA14.15.5)(I) provide the capability to recover from a physical site outage as required to re-establish ERA

The system shall (ERA14.15.6)(I) provide the capability to recover network services required to re-establish ERA

3.5 INGEST (ERA15-ERA16)

The system shall (ERA15)(A) accept all types of electronic records



The system shall (ERA15.1)(A) accept all electronic record types
The system shall (ERA15.1.1)(A) accept all data types in which electronic records are written
The system shall (ERA15.1.1.1)(A) ingest electronic records independent of their data type
The system shall (ERA15.1.2)(A) ingest all electronic record types
The system shall (ERA15.2)(D) accept electronic records that are composed of more than one digital component
The system shall (ERA15.2.1)(D) retain the relationships between the digital components of an electronic record
The system shall (ERA15.3)(D) provide the capability to identify the data type of any electronic record
The system shall (ERA15.4)(T) provide the capability to identify the data type of any component of an electronic record
The system shall (ERA15.4.1)(T) provide the capability to identify the data type of a digital component of an electronic record
The system shall (ERA16)(D) provide the capability to transfer electronic records to ERA
The system shall (ERA16.1)(D) accept electronic records transferred via physical media
The system shall (ERA16.1.1)(D) provide the capability to track the location of transfer media containing electronic records prior to the ingest of the records into ERA
The system shall (ERA16.1.2)(T) provide the capability to create records lifecycle metadata from media inventory data
The system shall (ERA16.1.3)(T) provide the capability to copy the files from supplied physical media into the ERA system
The system shall (ERA16.1.4)(T) provide the capability to prioritize processing of physical media based upon transfer request
The system shall (ERA16.1.5)(T) provide the capability to prioritize processing of physical media based upon media type
The system shall (ERA16.1.6)(T) provide the capability to store physical media according to transfer agreement
The system shall (ERA16.1.7)(T) provide the capability to transfer physical media content to another media type
The system shall (ERA16.1.8)(T) provide the capability to indicate that electronic records are ready for ingest into ERA
The system shall (ERA16.1.9)(D) provide the capability to return the physical media to the transferring entity
The system shall (ERA16.1.10)(I) provide the capability to destroy the physical media according to the transfer agreement
The system shall (ERA16.2)(D) provide the capability to accept transfers electronically
The system shall (ERA16.2.1)(D) provide the capability for NARA-initiated transfers
The system shall (ERA16.2.1.1)(D) provide the capability to accept NARA-initiated transfers, in accordance with the Interface Requirements Specification
The system shall (ERA16.2.2)(D) provide the capability for transferring entity initiated transfers
The system shall (ERA16.2.2.1)(D) provide the capability to accept transferring entity initiated transfers, in accordance with the Interface Requirements Specification
The system shall (ERA16.2.3)(D) provide the capability for a user to cancel a transfer in progress
The system shall (ERA16.2.4)(D) provide a user with an estimate of the time required to complete a transfer
The system shall (ERA16.3)(T) confirm the success of the transfer
The system shall (ERA16.3.1)(D) check electronic records contained in a transfer



The system shall (ERA16.3.1.1)(D) verify the data files associated with electronic records contained in a transfer

The system shall (ERA16.3.2)(D) report discrepancies found with the transfer

The system shall (ERA16.3.2.1)(D) report discrepancies found between the transfer and the transfer agreement

The system shall (ERA16.3.3)(T) apply Error Detection and Correction (EDAC) technology to transfers

The system shall (ERA16.3.4)(D) provide the capability to verify that transfer media contents match the transfer agreement

The system shall (ERA16.3.5)(T) confirm the success of the transfer to the sending party, in accordance with the Interface Requirements Specification

The system shall (ERA16.4)(T) use templates to check that the transfer contained what was specified in the disposition agreement

The system shall (ERA16.4.1)(T) check that the transfer contains all files identified in the disposition agreement

The system shall (ERA16.4.2)(T) check the data type of each file in the transfer

The system shall (ERA16.5)(T) use templates to check the archival properties of transferred electronic records

The system shall (ERA16.5.1)(T) use templates to check the structure of transferred electronic records

The system shall (ERA16.5.2)(T) use templates to check the representation information of transferred electronic records

The system shall (ERA16.5.3)(T) use templates to check the arrangement of an aggregate of transferred electronic records

The system shall (ERA16.6)(D) provide the capability for inclusion of information about sets of records in a transfer

The system shall (ERA16.6.1)(D) provide the capability for inclusion of information about the arrangement of sets of records in a transfer

The system shall (ERA16.6.1.1)(D) provide the capability for inclusion of information about the arrangement of sets of records in a transfer, in accordance with the Interface Requirements Specification

The system shall (ERA16.6.2)(A) provide the capability for inclusion of DOD-STD 5015.2 record profiles for records in a transfer

The system shall (ERA16.6.2.1)(A) provide the capability for inclusion of DOD-STD 5015.2 record profiles for records in a transfer, in accordance with the Interface Requirements Specification

The system shall (ERA16.6.3)(D) provide the capability for inclusion of information about sets of records in a transfer, in accordance with the Interface Requirements Specification

The system shall (ERA16.7)(D) provide the capability to transfer electronic records to ERA, in accordance with the Interface Requirements Specification

3.6 ACCESS (ERA17-ERA20)

The system shall (ERA17)(D) provide the capability for access review of the assets it contains

The system shall (ERA17.1)(D) assist with review determinations

The system shall (ERA17.1.1)(D) provide the capability to identify differences in access review determinations applied to copies of the same asset

The system shall (ERA17.1.1.1)(D) provide the capability to notify the access reviewer of differences in access review determinations applied to copies of the same asset

The system shall (ERA17.1.2)(D) provide the capability to identify differences in classifications applied to copies of the same asset



The system shall (ERA17.1.2.1)(D) provide the capability to notify the access reviewer of differences in classifications applied to copies of the same asset

The system shall (ERA17.1.3)(D) provide the capability to recognize potentially access restricted assets

The system shall (ERA17.1.4)(D) notify the access reviewer of the existence of potentially access restricted electronic records

The system shall (ERA17.1.4.1)(D) notify the access reviewer of the existence of potentially access restricted electronic records within a unit of work

The system shall (ERA17.1.5)(D) provide the capability to assist in determining whether the same electronic records have been released previously

The system shall (ERA17.1.6)(D) provide the capability to assist in determining whether the same assets have been released previously

The system shall (ERA17.1.7)(D) provide a reference capability containing statutes and guidance relevant to the access review process

The system shall (ERA17.1.8)(D) provide the capability to assign access review requests to a user group

The system shall (ERA17.1.9)(D) provide the capability to collaborate with equity holders

The system shall (ERA17.1.9.1)(D) provide the capability to identify equity holders for assets undergoing access review

The system shall (ERA17.1.9.2)(D) provide the capability to create a review request to equity holders for assets undergoing access review

The system shall (ERA17.1.9.3)(D) provide the capability to track the status of requests to equity holders in an access review process

The system shall (ERA17.1.9.4)(D) provide the capability to capture proposed equity holder feedback

The system shall (ERA17.1.9.5)(D) provide the capability for a user to collate the guidance and proposed redactions from equity holder reviewers

The system shall (ERA17.1.9.6)(D) provide the capability to terminate a request to equity holders in an access review process

The system shall (ERA17.1.9.7)(D) provide the capability to modify a review request to equity holders for assets undergoing access review

The system shall (ERA17.2)(D) capture the results of the access review

The system shall (ERA17.2.1)(D) capture the review determination

The system shall (ERA17.2.2)(D) capture the reason for the review determination

The system shall (ERA17.2.2.1)(D) capture the reasons for the review determination as provided by the reviewers

The system shall (ERA17.2.3)(D) link the review determination to the affected electronic record

The system shall (ERA17.2.4)(D) capture the identity of the authors of the review determination

The system shall (ERA17.2.5)(D) capture the date and time when the review determination was finalized

The system shall (ERA17.2.6)(D) capture the status of an access review

The system shall (ERA17.3)(D) produce notifications that additional reviewers need to perform a review

The system shall (ERA17.3.1)(D) provide the capability for a user to identify additional equity holders

The system shall (ERA17.3.2)(D) provide the capability for a user to add additional equity holders to a review list

The system shall (ERA17.4)(D) provide the capability to change a review determination over time



The system shall (ERA17.4.1)(D) display the review determination history of an electronic record upon request

The system shall (ERA17.5)(D) provide the capability to declassify assets

The system shall (ERA17.5.1)(D) provide the capability to declassify individual records

The system shall (ERA17.5.2)(D) provide the capability to declassify sets of records

The system shall (ERA17.5.3)(D) capture declassification information

The system shall (ERA17.5.4)(D) provide the capability to identify assets eligible for update of their classification as determined by their disposition agreement

The system shall (ERA17.5.5)(D) provide the capability to identify assets eligible for update of their classification as determined by their transfer agreement

The system shall (ERA17.5.6)(D) provide the capability to identify assets eligible for update of their classification as determined by legislation

The system shall (ERA17.5.7)(D) provide the capability to identify assets eligible for update of their classification as determined by regulations

The system shall (ERA17.5.8)(D) provide the capability to identify assets eligible for update of their classification as determined by the originating entity

The system shall (ERA17.6)(D) manage review determinations

The system shall (ERA17.6.1)(D) provide the capability to define new review determinations

The system shall (ERA17.6.2)(D) provide the capability to update available review determinations

The system shall (ERA17.6.3)(D) provide the capability to delete available review determinations

The system shall (ERA17.6.4)(D) provide the capability for a review determination of "fully release"

The system shall (ERA17.6.5)(D) provide the capability for a review determination of "partially release"

The system shall (ERA17.6.6)(D) provide the capability for a review determination of "redact"

The system shall (ERA17.6.7)(D) provide the capability for a review determination of "withhold"

The system shall (ERA17.6.7.1)(D) provide the capability to create a placeholder for withheld electronic records indicating reasons for withholding

The system shall (ERA17.6.8)(D) provide the capability for a review determination of "withdraw"

The system shall (ERA17.6.9)(D) provide the capability to view available review determination types

The system shall (ERA17.7)(D) provide the capability to manage an access review process on an access review case

The system shall (ERA17.7.1)(D) provide the capability to capture the status of each item within an access review case

The system shall (ERA17.7.2)(D) provide the capability to apply a review determination at the item level in an access review case

The system shall (ERA17.7.3)(D) provide the capability to capture the status of the access review case

The system shall (ERA18)(D) provide the capability for redaction of the assets it contains

The system shall (ERA18.1)(D) provide the capability for the user to produce redacted versions of the assets it contains

The system shall (ERA18.1.1)(D) provide the capability to remove any content from an asset to produce a redacted version of the asset

The system shall (ERA18.1.1.1)(D) provide the capability to delete content from an asset to produce a redacted version of the asset

The system shall (ERA18.1.2)(D) provide the capability to replace any content from an asset to produce a redacted version of the asset

The system shall (ERA18.1.3)(D) provide the capability to indicate where redaction has occurred

The system shall (ERA18.2)(D) manage redacted versions of assets



The system shall (ERA18.2.1)(D) assign a constant unique identifier to the redacted version of an asset

The system shall (ERA18.2.2)(D) associate an asset with all redacted versions of that asset

The system shall (ERA18.2.3)(D) associate the disposition agreement to a redacted version of an asset from which it was derived

The system shall (ERA18.2.4)(D) associate the description information to a redacted version of an asset from which it was derived

The system shall (ERA18.2.5)(D) provide the capability to associate new description information to a redacted version of an asset

The system shall (ERA18.2.6)(D) associate the lifecycle data to a redacted version of an asset from which it was derived

The system shall (ERA18.2.7)(D) provide the capability to associate new lifecycle data to a redacted version of an asset

The system shall (ERA18.3)(D) provide the capability to present the redacted version of the assets it contains

The system shall (ERA18.4)(D) create a copy of the assets for redaction

The system shall (ERA18.5)(D) prohibit redaction of any preservation copy of an electronic record

The system shall (ERA18.5.1)(D) prohibit redaction of any electronic record digital component maintained for preservation

The system shall (ERA18.6)(D) provide the capability to capture redaction information

The system shall (ERA18.6.1)(D) capture the reason(s) for the redaction

The system shall (ERA18.6.1.1)(D) provide the capability to link the reasons for redaction to each version of the redaction of an asset

The system shall (ERA18.6.1.2)(D) provide the capability to display information concerning the redaction during display of the redacted asset

The system shall (ERA18.6.2)(D) capture the identity of the individual who performed a redaction

The system shall (ERA18.6.3)(D) capture the date of a redaction

The system shall (ERA18.6.3.1)(D) capture the date and time of a redaction

The system shall (ERA18.7)(A) provide the capability to redact all assets

The system shall (ERA18.7.1)(D) provide the capability to redact text

The system shall (ERA18.7.2)(D) provide the capability to redact still images

The system shall (ERA18.7.3)(D) provide the capability to redact digital audio

The system shall (ERA18.7.4)(D) provide the capability to redact digital video

The system shall (ERA18.7.5)(D) provide the capability to redact line vector images

The system shall (ERA18.7.6)(D) provide the capability to redact structured data

The system shall (ERA18.7.7)(D) provide tools to assist the user in manual redaction of assets

The system shall (ERA18.7.8)(A) provide the capability to be extensible to redact additional digital items

The system shall (ERA18.8)(D) provide tools for automated redaction of assets

The system shall (ERA18.8.1)(D) provide the capability to automatically redact assets based on NARA rules and guidance

The system shall (ERA18.8.1.1)(D) provide the capability to create NARA rules and guidance for the automated redaction of assets

The system shall (ERA18.8.1.2)(D) provide the capability to update NARA rules and guidance for the automated redaction of assets

The system shall (ERA18.8.1.3)(D) provide the capability to delete NARA rules and guidance for the automated redaction of assets



The system shall (ERA18.8.2)(D) provide the capability for a user to assess the automatic redaction of an asset

The system shall (ERA18.9)(D) provide the capability to display the disposition agreement for the electronic record being redacted

The system shall (ERA18.10)(D) provide the capability to identify the redacted versions of assets

The system shall (ERA19)(D) provide the capability to search the assets it contains

The system shall (ERA19.1)(D) provide the capability for the user to select the characteristics of a search against the assets it contains

The system shall (ERA19.1.1)(D) provide the capability for the user to enter the criteria for the search

The system shall (ERA19.1.2)(D) provide the capability to search by geographic information

The system shall (ERA19.1.3)(D) provide the capability to search by subject

The system shall (ERA19.1.3.1)(D) provide the capability for a free text search against a controlled list of subjects

The system shall (ERA19.1.4)(D) provide the capability to search by time period

The system shall (ERA19.1.4.1)(D) provide the capability to search by range of dates

The system shall (ERA19.1.5)(D) provide the capability to search by accession number

The system shall (ERA19.1.5.1)(D) provide the capability for a free text search against accession number

The system shall (ERA19.1.6)(D) provide the capability to search by transferring entity

The system shall (ERA19.1.7)(D) provide the capability to search by government function

The system shall (ERA19.1.8)(D) provide the capability to search by government line of business

The system shall (ERA19.1.9)(D) provide the capability to search by asset type

The system shall (ERA19.1.10)(D) provide the capability to search by geospatial identifiers

The system shall (ERA19.1.11)(D) provide the capability to search by any element defined in the asset's template

The system shall (ERA19.1.12)(D) provide the capability to search by media type

The system shall (ERA19.1.12.1)(D) provide the capability for a search against a controlled list of input media types

The system shall (ERA19.1.13)(D) provide the capability to search by record type

The system shall (ERA19.1.13.1)(D) provide the capability for a search against a controlled list of record types

The system shall (ERA19.1.14)(D) provide the capability to search descriptions by description unique identifier

The system shall (ERA19.1.15)(D) provide the capability to search by title

The system shall (ERA19.1.16)(D) provide the capability for keyword searching

The system shall (ERA19.1.17)(D) provide the capability for exact phrase searching

The system shall (ERA19.1.18)(D) provide the capability for concept-based searching

The system shall (ERA19.1.19)(D) provide the capability for Boolean searching

The system shall (ERA19.1.19.1)(D) provide the capability to use Boolean operators within search criteria

The system shall (ERA19.1.20)(D) provide the capability for proximity searching

The system shall (ERA19.1.20.1)(D) provide the capability to use proximity operators within search criteria

The system shall (ERA19.1.21)(D) provide the capability to search based on the frequency of access to assets by other researchers doing similar searches

The system shall (ERA19.1.21.1)(D) provide the capability to order search results on the basis of frequency of access



The system shall (ERA19.1.21.2)(D) capture information about how frequently an asset is accessed

The system shall (ERA19.1.21.3)(D) provide the capability to search on the basis of frequency of access to assets by similar searches

The system shall (ERA19.1.22)(D) provide the capability for automated question-and-answer searching based on searches performed frequently

The system shall (ERA19.1.22.1)(D) provide the capability to recommend search criteria based on frequently performed searches

The system shall (ERA19.1.22.2)(D) provide the capability for a user to refine a search by incorporating the recommended search criteria

The system shall (ERA19.1.22.3)(D) provide the capability for the user to skip a recommendation in the question-and-answer process

The system shall (ERA19.1.22.4)(D) provide the capability for the user to end the question-and-answer process after each search

The system shall (ERA19.1.23)(D) provide the capability to search only for descriptions that refer to electronic records

The system shall (ERA19.1.24)(D) provide the capability to use wildcard characters in searches

The system shall (ERA19.1.25)(D) provide the capability for searching records lifecycle data

The system shall (ERA19.1.26)(D) provide the capability for searching authority sources for people

The system shall (ERA19.1.26.1)(D) provide the capability for searching authority sources for names

The system shall (ERA19.1.26.2)(D) provide the capability for searching authority sources for titles

The system shall (ERA19.1.27)(D) provide the capability for searching authority sources for organizations

The system shall (ERA19.1.28)(D) provide the capability for the use of designated "stop words" that are disregarded during searches

The system shall (ERA19.1.28.1)(D) provide the capability for a user to view the stop word list

The system shall (ERA19.1.28.2)(D) provide the capability for a user to update the stop word list

The system shall (ERA19.1.28.3)(D) provide the capability to apply an index of "stop words" that are disregarded during searches

The system shall (ERA19.1.29)(D) provide the capability to search by transfer

The system shall (ERA19.1.30)(D) provide the capability to search by organizations

The system shall (ERA19.1.31)(D) provide the capability to use the results of an authority source search within the search criteria of a search against assets

The system shall (ERA19.1.32)(A) be extensible to search against new authority source types

The system shall (ERA19.2)(D) provide the capability to search for assets based on their contents

The system shall (ERA19.2.1)(D) provide the capability to perform content-based searches within a selected set of assets

The system shall (ERA19.2.2)(D) provide the capability to perform content-based searches within supported data types

The system shall (ERA19.2.3)(D) provide the capability to manage content-based search processing independently of other system functions

The system shall (ERA19.3)(D) provide the capability to search through hierarchies of information

The system shall (ERA19.3.1)(D) provide the capability to navigate from a description to an individual electronic record

The system shall (ERA19.3.1.1)(D) provide the capability to navigate from a description to an individual electronic record the description describes

The system shall (ERA19.3.2)(D) provide the capability to navigate from an individual electronic record to an associated description



The system shall (ERA19.3.2.1)(D) provide the capability to navigate from an individual electronic record to descriptions which describe the record

The system shall (ERA19.3.3)(D) provide the capability to navigate from a description to a set of electronic records

The system shall (ERA19.3.3.1)(D) provide the capability to navigate from a description to sets of records the description describes

The system shall (ERA19.3.4)(D) provide the capability to navigate from a set of electronic records to a description of the set

The system shall (ERA19.3.5)(D) provide the capability to navigate through all levels of records lifecycle data while searching

The system shall (ERA19.3.5.1)(D) provide the capability to navigate from one level of records lifecycle data to related levels of records lifecycle data

The system shall (ERA19.3.6)(D) provide the capability to navigate through all levels of sets of records while searching

The system shall (ERA19.3.7)(D) provide the capability to navigate from a description to a description of the description's creator

The system shall (ERA19.4)(D) provide NARA-created default searches

The system shall (ERA19.4.1)(D) provide the capability for users to select a NARA default search from among available searches

The system shall (ERA19.4.2)(D) run the user-selected NARA default search

The system shall (ERA19.4.3)(D) provide the capability for authorized users to create default searches

The system shall (ERA19.4.4)(D) provide the capability for authorized users to update default searches

The system shall (ERA19.4.5)(D) provide the capability for authorized users to delete default searches

The system shall (ERA19.5)(D) provide the capability for the user to select the search complexity level, from simple single-variable searches to multi-variable complex searches

The system shall (ERA19.5.1)(D) provide the capability for the user to perform a simple search using single variable searches

The system shall (ERA19.5.2)(D) provide the capability for the user to perform a search using multiple variables

The system shall (ERA19.5.3)(D) use a default complexity level if the user has not selected a complexity level

The system shall (ERA19.6)(A) provide the capability to control search run times

The system shall (ERA19.6.1)(A) limit search run times in a pre-emptive manner

The system shall (ERA19.6.1.1)(D) provide the capability to refuse execution of a search when the estimated run time exceeds the limit for the run time

The system shall (ERA19.6.1.2)(D) stop a search process when it exceeds the limit for its run time

The system shall (ERA19.6.2)(D) provide the capability for users to adjust search run time limits

The system shall (ERA19.6.2.1)(D) assign a default value as the run time limit for a search if no other value is provided

The system shall (ERA19.6.2.2)(D) provide the capability for a user to set a run time limit on a search that is lower than the default value

The system shall (ERA19.6.2.3)(D) provide the capability to assign default and maximum search run time limits to users and groups of users

The system shall (ERA19.7)(D) provide information to the user while the search is in progress

The system shall (ERA19.7.1)(D) provide a search progress indicator

The system shall (ERA19.7.1.1)(D) provide the capability to assess the progress of a search process

The system shall (ERA19.7.2)(D) display the search parameters selected by the user



- The system shall (ERA19.7.2.1)(D) display the search criteria selected by the user while the search is in progress
- The system shall (ERA19.7.3)(D) provide an estimate to the user of how long the search will take to execute
- The system shall (ERA19.7.3.1)(D) estimate how long the search will take to execute
- The system shall (ERA19.7.4)(D) notify the user when the search is complete
- The system shall (ERA19.7.4.1)(D) notify the user when a search ends before it is complete
- The system shall (ERA19.8)(D) present the search results set to the user
- The system shall (ERA19.8.1)(D) display a search results set that includes all assets meeting the search criteria
- The system shall (ERA19.8.1.1)(D) display a message when the result set is empty
- The system shall (ERA19.8.1.2)(D) display a search results set that includes references to all assets meeting the search criteria
- The system shall (ERA19.8.2)(D) display an explanation for the reason for withholding assets
- The system shall (ERA19.8.2.1)(D) exclude from display withheld assets
- The system shall (ERA19.8.2.2)(D) provide the capability to display an explanation for the reason for withholding assets
- The system shall (ERA19.8.3)(D) exclude from display assets whose existence cannot be disclosed to the requesting user
- The system shall (ERA19.8.4)(D) display the total number of results in the result set returned by the search
- The system shall (ERA19.8.4.1)(D) display the total number of results in the result set returned by the search, excluding assets whose existence cannot be disclosed to the requesting user
- The system shall (ERA19.8.5)(D) provide the capability for the user to select the quantity of search results to be presented in the results set
- The system shall (ERA19.8.5.1)(D) use a default value for the quantity of search results to be presented in the results set if the user has not selected one
- The system shall (ERA19.8.5.2)(D) provide the capability to limit the quantity of search results in the result set
- The system shall (ERA19.8.5.3)(D) provide the capability to create a default value for the quantity of search results to be presented in the result set
- The system shall (ERA19.8.5.4)(D) provide the capability to update the default value for the quantity of search results to be presented in the result set
- The system shall (ERA19.8.5.5)(D) provide the capability for the user to select the quantity of search results to be presented in the results set at one time
- The system shall (ERA19.8.6)(D) provide the capability for users to select the order in which the result set is presented
- The system shall (ERA19.8.6.1)(D) order the result set by a default order if the user has not selected a presentation order
- The system shall (ERA19.8.6.2)(D) provide the capability for a user to select the order in which the result set is presented from a finite set of choices
- The system shall (ERA19.8.7)(D) provide the capability to rank the results of the search by relevance
- The system shall (ERA19.8.7.1)(D) provide the capability to assign each result a relevancy score
- The system shall (ERA19.8.8)(D) present the search results set at user-selectable levels of detail
- The system shall (ERA19.8.8.1)(D) present the search results set at a default level of detail if no level has been selected by the user



The system shall (ERA19.8.9)(D) indicate different versions of a record included in the search result set

The system shall (ERA19.8.10)(D) provide the capability to generate intermediate result sets for content-based searches without stopping the search

The system shall (ERA19.9)(D) provide the capability for a user to refine a search

The system shall (ERA19.9.1)(D) provide the capability to search within the result set returned by the initial search

The system shall (ERA19.9.1.1)(D) provide a "more like this" capability to refine a search for more assets similar to those returned by the search

The system shall (ERA19.9.1.1.1)(D) provide the capability to refine a search by looking for assets similar to those selected in a result set

The system shall (ERA19.9.1.2)(D) provide the capability to refine a search using any search criteria available in the system

The system shall (ERA19.9.1.3)(D) provide the capability to search within the result set returned by the preceding search

The system shall (ERA19.9.2)(D) provide the capability to stop a search in progress in order to refine the search

The system shall (ERA19.9.2.1)(D) provide the capability to refine a search once it has been stopped

The system shall (ERA19.10)(D) provide the capability for the user to select the assets they wish to access from among the search results set

The system shall (ERA19.11)(D) provide the capability to save a search

The system shall (ERA19.11.1)(D) provide the capability for the user to select a saved search from their saved searches

The system shall (ERA19.11.1.1)(D) provide the capability for users to select a saved search from a list of their saved searches

The system shall (ERA19.11.2)(D) provide the capability to run saved searches

The system shall (ERA19.11.3)(D) provide the capability for users to save the set of criteria that defines a search

The system shall (ERA19.12)(D) provide the capability for users to store results sets over time

The system shall (ERA19.12.1)(D) provide the capability to store search results

The system shall (ERA19.12.2)(D) provide the capability to save selected portions of results sets

The system shall (ERA19.12.3)(D) maintain a search results set for a specified period of time

The system shall (ERA19.13)(D) manage mediated searches

The system shall (ERA19.13.1)(D) provide the capability to request a mediated search

The system shall (ERA19.13.2)(D) provide the capability for mediated searchers to dialog with search requestors about their mediated search

The system shall (ERA19.13.3)(D) provide the capability to manage mediated search request responses

The system shall (ERA19.13.3.1)(D) provide the capability to capture a mediated search request response

The system shall (ERA19.13.3.2)(D) provide the capability to retrieve a mediated search request response

The system shall (ERA19.13.3.3)(D) provide the capability to refine a mediated search request response

The system shall (ERA19.13.3.4)(D) provide the capability to delete a mediated search request response



- The system shall (ERA19.13.3.5)(D) provide the capability to forward the results of a mediated search request to the requestor
- The system shall (ERA19.13.3.6)(D) provide the capability for a requestor to view the results of a mediated search
- The system shall (ERA19.13.4)(D) provide the capability to prioritize mediated searches
- The system shall (ERA19.13.4.1)(D) provide the capability to schedule a mediated search request
- The system shall (ERA19.13.4.2)(D) provide the capability to set the prioritization of a mediated search request
- The system shall (ERA20)(D) provide access to the assets it contains
- The system shall (ERA20.1)(D) provide the capability to electronically present all electronic record types
- The system shall (ERA20.1.1)(D) provide the capability for a user to select a presentation of a record from among available formats
- The system shall (ERA20.1.1.2)(D) provide the capability to transform a persistent format into a format for presentation
- The system shall (ERA20.1.1.3)(T) provide the capability to add support for new presentation formats
- The system shall (ERA20.1.2)(T) provide the capability to provide tools to the user to present records in selected formats
- The system shall (ERA20.1.3)(D) provide the capability to specify the hardware and software requirements to the user to present a record
- The system shall (ERA20.1.4)(D) provide the capability to present text
- The system shall (ERA20.1.5)(D) provide the capability to present still images
- The system shall (ERA20.1.6)(D) provide the capability to present digital audio
- The system shall (ERA20.1.7)(D) provide the capability to present digital video
- The system shall (ERA20.1.8)(D) provide the capability to present line vector images
- The system shall (ERA20.1.9)(D) provide the capability to present structured data
- The system shall (ERA20.2)(D) provide the capability for users to request copies of assets
- The system shall (ERA20.2.1)(D) provide the capability for a user to create an order for copies of assets
- The system shall (ERA20.3)(D) provide the capability to output copies of all assets
- The system shall (ERA20.3.1)(D) provide the capability to output all assets to media
- The system shall (ERA20.3.1.1)(D) print address labels for media orders
- The system shall (ERA20.3.1.2)(D) print packing lists for media orders
- The system shall (ERA20.3.2)(D) provide the capability to print all printable assets
- The system shall (ERA20.3.2.1)(D) provide the capability to print assets identified by the system as printable
- The system shall (ERA20.3.3)(A) be extensible to output assets based on additional digital adaptations
- The system shall (ERA20.4)(D) provide access to assets independently of the hardware with which they were created
- The system shall (ERA20.4.1)(D) provide the capability to output assets independently of the hardware with which they were created
- The system shall (ERA20.4.2)(D) provide the capability to electronically present assets independently of the hardware with which they were created
- The system shall (ERA20.4.2.1)(D) provide the capability to define device specifications necessary to electronically present a record in the format chosen by a user



The system shall (ERA20.4.2.2)(D) provide the capability to electronically present assets, as required by the relevant preservation and service plan, independently of the hardware with which they were created

The system shall (ERA20.5)(D) provide access to assets independently of the software with which they were created

The system shall (ERA20.5.1)(D) provide the capability to output assets independently of the software with which they were created

The system shall (ERA20.5.2)(D) provide the capability to electronically present assets independently of the software with which they were created

The system shall (ERA20.5.2.1)(D) provide the capability to present assets retained in persistent object formats

The system shall (ERA20.5.2.2)(D) provide tools to the user to support electronic presentation of assets independently of the software with which they were created

The system shall (ERA20.6)(D) provide the capability to access an entire electronic record

The system shall (ERA20.7)(D) provide the capability to access a set of electronic records

The system shall (ERA20.8)(D) provide the capability to access a portion of an electronic record

The system shall (ERA20.9)(D) provide the capability to access all digital components of an electronic record

The system shall (ERA20.10)(D) provide the capability to output assets in formats selected by the user from available choices

The system shall (ERA20.10.1)(D) provide the capability for users to select the output format of selected assets from among available formats

The system shall (ERA20.10.2)(D) output certified copies of electronic records in formats selectable by the user from available choices

The system shall (ERA20.10.2.1)(D) provide the capability for a user to assess the authenticity of a record

The system shall (ERA20.10.2.1.1)(D) assist in determining the authenticity of a copy of a record

The system shall (ERA20.10.2.2)(D) provide the capability to apply a certificate of authenticity

The system shall (ERA20.10.3)(D) output certified copies of electronic records on media selectable by the user from available choices

The system shall (ERA20.10.4)(D) provide the capability to output selected asset formats via telecommunications

The system shall (ERA20.11)(A) maintain the authenticity of an electronic record during access

The system shall (ERA20.11.1)(D) maintain electronic record content during access

The system shall (ERA20.11.2)(D) maintain electronic record specified behavior during access

The system shall (ERA20.11.3)(D) maintain electronic record context during access

The system shall (ERA20.11.4)(D) maintain electronic record structure during access

The system shall (ERA20.11.5)(D) maintain electronic record presentation during access

The system shall (ERA20.11.6)(D) provide the capability to present digital components of electronic records individually

The system shall (ERA20.11.7)(D) provide the capability to output digital components of electronic records individually

The system shall (ERA20.11.8)(D) provide the capability to present electronic records composed of multiple digital components

The system shall (ERA20.11.9)(D) provide the capability to output electronic records composed of multiple digital components



The system shall (ERA20.11.10)(A) provide the capability to maintain the essential attributes that support the authenticity of an electronic record during access

3.7 USER INTERFACE (ERA21)

The system shall (ERA21)(D) provide a user interface

The system shall (ERA21.1)(D) provide default workbenches tailored to users' roles

The system shall (ERA21.1.1)(D) display the appropriate default workbench based on a user's registration information

The system shall (ERA21.1.2)(D) provide the capability to create default workbenches

The system shall (ERA21.1.3)(D) provide the capability to modify default workbenches

The system shall (ERA21.1.4)(D) provide the capability to delete default workbenches

The system shall (ERA21.2)(D) provide the capability for users to customize their workbenches

The system shall (ERA21.2.1)(D) provide the capability for users to customize their user workbench by adding tools to the default workbench

The system shall (ERA21.2.2)(D) provide the capability for users to customize their user workbench by removing tools from the default workbench

The system shall (ERA21.2.3)(D) provide the capability for users to customize the appearance of their workbench

The system shall (ERA21.2.4)(T) remember the most recent customization to a user's workbench as that user's default workbench

The system shall (ERA21.3)(D) provide the capability for users to select among available workbenches

The system shall (ERA21.4)(T) maintain workbench configuration across user sessions

The system shall (ERA21.5)(D) provide the capability for configurable user interfaces

The system shall (ERA21.6)(A) provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign

The system shall (ERA21.6.1)(D) provide the capability to present the user interface in English (North American)

The system shall (ERA21.6.2)(D) provide the capability to present the user interface in foreign languages that are read left to right, top to bottom, and composed of characters

The system shall (ERA21.6.3)(D) provide the capability to present the user interface in foreign languages that are read left to right, bottom to top, and composed of characters

The system shall (ERA21.6.4)(D) provide the capability to present the user interface in foreign languages that are read right to left, top to bottom, and composed of characters

The system shall (ERA21.6.5)(D) provide the capability to present the user interface in foreign languages that are read right to left, bottom to top, and composed of characters

The system shall (ERA21.6.6)(D) provide the capability to present the user interface in foreign languages that are composed of ideographs

The system shall (ERA21.7)(D) provide a user interface capable of electronically presenting all supported types of electronic records

The system shall (ERA21.8)(D) accept input of information by users

The system shall (ERA21.8.1)(T) check information entered by users

The system shall (ERA21.8.1.1)(T) validate information entered by users for data type

The system shall (ERA21.8.1.2)(T) validate information entered by users for data ranges

The system shall (ERA21.8.1.3)(T) validate information entered by users against pre-defined constraints

3.8 ADMINISTRATION (ERA22-ERA28)

The system shall (ERA22)(D) provide the capability for user registration



- The system shall (ERA22.1)(D) provide the capability to register users
- The system shall (ERA22.1.1)(T) register user types
- The system shall (ERA22.1.2)(T) associate registered users with user groups
- The system shall (ERA22.1.3)(T) establish a user account for each registered user
- The system shall (ERA22.2)(D) collect information from the user during registration
- The system shall (ERA22.2.1)(D) collect name from the user during registration
- The system shall (ERA22.2.2)(D) collect contact information from the user during registration
- The system shall (ERA22.2.3)(D) collect security clearance information from the user during registration
- The system shall (ERA22.2.4)(D) collect information on whether the user is a stakeholder in an equity holder from the user during registration
- The system shall (ERA22.2.5)(D) collect job role information from the user during registration
- The system shall (ERA22.2.6)(D) collect proof of identity information from the user during registration
- The system shall (ERA22.2.6.1)(D) indicate when a user needs to be physically present to provide proof of identity information
- The system shall (ERA22.2.6.2)(D) indicate when a user can supply proof of identity information without being physically present
- The system shall (ERA22.2.7)(D) collect information identifying the individual being registered as a transferring entity during registration
- The system shall (ERA22.2.7.1)(D) collect information identifying the individual being registered as a representative of a transferring entity during registration
- The system shall (ERA22.2.8)(D) provide the capability for NARA users to determine what information is collected during registration
- The system shall (ERA22.2.9)(T) provide the capability to verify user supplied information before granting access privileges
- The system shall (ERA22.3)(D) manage user accounts
- The system shall (ERA22.3.1)(D) provide the capability to create user accounts
- The system shall (ERA22.3.1.1)(D) provide the capability to create user accounts automatically
- The system shall (ERA22.3.2)(D) provide the capability to access user accounts
- The system shall (ERA22.3.3)(D) provide the capability to update user accounts
- The system shall (ERA22.3.4)(D) provide the capability to delete user accounts
- The system shall (ERA22.3.5)(D) provide the capability to suspend user accounts
- The system shall (ERA22.3.6)(D) provide the capability to reactivate suspended user accounts
- The system shall (ERA22.3.7)(D) provide the capability for the renewal of user registrations
- The system shall (ERA22.3.8)(D) expire user accounts
- The system shall (ERA22.3.9)(D) provide the capability for users to cancel their accounts
- The system shall (ERA22.3.10)(D) provide the capability for users to update their account information
- The system shall (ERA22.3.10.1)(D) provide the capability for users to request updates for those attributes of their account information that do require verification
- The system shall (ERA22.3.10.2)(D) provide the capability for users to update those attributes of their account information that do not require verification
- The system shall (ERA23)(D) provide user assistance
- The system shall (ERA23.1)(D) manage user assistance
- The system shall (ERA23.1.1)(D) provide the capability to create user assistance functions
- The system shall (ERA23.1.2)(D) provide the capability to access user assistance functions
- The system shall (ERA23.1.3)(D) provide the capability to update user assistance functions
- The system shall (ERA23.1.4)(D) provide the capability to delete user assistance functions



The system shall (ERA23.2)(D) provide help screens
The system shall (ERA23.2.1)(D) provide the capability for field explanation assistance
The system shall (ERA23.2.2)(D) provide the capability for glossary assistance
The system shall (ERA23.2.3)(D) provide the capability to display Frequently Asked Questions
The system shall (ERA23.2.4)(D) provide help desk contact Information
The system shall (ERA23.2.5)(D) provide the capability for searching tips
The system shall (ERA23.3)(D) provide help desk support functions
The system shall (ERA23.3.1)(D) provide the capability to interface with the NARA Help Desk to receive a ticket according to the the Interface Requirements Specification
The system shall (ERA23.3.2)(D) provide the capability to escalate a ticket between the ERA Help Desk tiers
The system shall (ERA23.3.3)(D) provide the capability to track ticket escalations
The system shall (ERA23.3.4)(D) provide the capability to open a ticket
The system shall (ERA23.3.5)(D) provide the capability to close a ticket
The system shall (ERA23.3.6)(D) provide the capability to update a ticket
The system shall (ERA23.3.7)(D) provide the capability to notify the user of changes to the ticket status
The system shall (ERA23.3.8)(D) provide the capability to notify the NARA Help Desk of changes to the ticket status
The system shall (ERA23.3.9)(D) provide the capability to display a ticket
The system shall (ERA23.3.10)(D) provide the capability for users to create a Help Desk Request that will be routed to the Help Desk
The system shall (ERA23.3.11)(D) provide the capability to report on help desk requests
The system shall (ERA23.4)(D) provide the capability for user training
The system shall (ERA23.4.1)(D) provide the capability for simulated user sessions
The system shall (ERA23.4.1.1)(D) provide the capability for adaptive simulated user training sessions for deployed ERA functions
The system shall (ERA23.4.2)(D) provide the capability for simulated administrator sessions
The system shall (ERA23.4.2.1)(D) provide the capability for Administrative Users to view adaptive simulated administrator training sessions for deployed functions of ERA
The system shall (ERA23.5)(D) provide the capability to link to NARA resources from within ERA
The system shall (ERA23.6)(D) provide the capability to define specific user assistance products to specific groups of users
The system shall (ERA23.7)(D) provide the capability to guide users through the steps of an ERA process step-by-step
The system shall (ERA23.7.1)(D) provide the capability to display textual information to guide users through the steps involved in performing ERA processes
The system shall (ERA23.8)(D) provide the capability for users to initiate a message to NARA staff member(s) requesting assistance
The system shall (ERA24)(D) provide the capability for communications with users
The system shall (ERA24.1)(D) manage communications
The system shall (ERA24.1.1)(T) provide the capability to receive communications
The system shall (ERA24.1.2)(T) provide the capability to track communications
The system shall (ERA24.1.3)(D) provide the capability to categorize communications
The system shall (ERA24.1.4)(T) provide the capability to respond to communications
The system shall (ERA24.1.5)(T) provide the capability to prioritize communications
The system shall (ERA24.2)(D) provide the capability for dialoguing between NARA and users
The system shall (ERA24.2.1)(D) provide the capability to create team collaboration spaces



- The system shall (ERA24.2.2)(D) provide the capability to modify team collaboration spaces
- The system shall (ERA24.2.3)(D) provide the capability to delete team collaboration spaces
- The system shall (ERA24.2.4)(T) provide the capability to control access to team collaboration spaces
- The system shall (ERA24.2.5)(T) provide the capability to limit the total storage allocated to a team collaboration space
- The system shall (ERA24.2.6)(D) provide the capability to persistently store collaboration objects
- The system shall (ERA24.2.7)(D) provide the capability to edit persistently stored collaboration objects
- The system shall (ERA24.2.8)(D) provide the capability to control versions of persistently stored objects
- The system shall (ERA24.2.9)(D) provide the capability for persistently stored collaboration objects to be addressed using Uniform Resource Identifier links
- The system shall (ERA24.2.10)(D) provide the capability for users to modify the status of persistently stored collaboration objects
- The system shall (ERA24.2.11)(D) provide the capability to add entries to a contact registry
- The system shall (ERA24.2.12)(D) provide the capability to modify entries in a contact registry
- The system shall (ERA24.2.13)(D) provide the capability to delete users from a contact registry
- The system shall (ERA24.2.14)(D) provide the capability for threaded discussions
- The system shall (ERA24.2.15)(D) provide the capability for a calendar
- The system shall (ERA24.2.16)(D) provide the capability to post events to a calendar
- The system shall (ERA24.2.17)(D) provide the capability to update a calendar event
- The system shall (ERA24.2.18)(D) provide the capability to delete events from a calendar
- The system shall (ERA24.2.19)(D) provide the capability to control access to a calendar
- The system shall (ERA24.2.20)(D) provide the capability to post a message to a Bulletin Board
- The system shall (ERA24.2.21)(D) provide the capability to subscribe to a Bulletin Board
- The system shall (ERA24.2.22)(D) provide the capability to unsubscribe to a Bulletin Board
- The system shall (ERA24.3)(D) notify users of system events
- The system shall (ERA24.3.1)(D) provide the capability to notify users about scheduled system maintenance
- The system shall (ERA24.3.2)(D) provide the capability to notify users about delayed response time
- The system shall (ERA24.3.3)(D) notify users when system services are affected by system events
- The system shall (ERA24.3.4)(D) notify users when system resources are affected by system events
- The system shall (ERA24.4)(D) provide the capability to generate notices for other systems
- The system shall (ERA24.4.1)(D) provide the capability to generate notices for other systems according to the Interface Requirements Specification
- The system shall (ERA24.5)(D) generate notices to users
- The system shall (ERA24.5.1)(D) provide the capability to notify a transferring entity of the results of system events
- The system shall (ERA24.5.2)(D) provide the capability to notify a list of users regarding system events
- The system shall (ERA24.5.3)(D) provide the capability to notify users about the progress of system events
- The system shall (ERA24.5.4)(D) provide the capability to notify users when they have been denied access to assets
- The system shall (ERA24.5.5)(D) provide the capability to notify users of upcoming events
- The system shall (ERA24.6)(D) provide the ability for users to manage notices
- The system shall (ERA24.6.1)(D) provide the capability to manage standard language notices
- The system shall (ERA24.6.2)(D) provide the capability to manage ad hoc notices
- The system shall (ERA24.6.3)(D) provide the capability for users to create notices



- The system shall (ERA24.6.4)(D) provide the capability for users to save notices
- The system shall (ERA24.6.5)(D) provide the capability for users to edit notices
- The system shall (ERA24.6.6)(D) provide the capability for users to delete notices
- The system shall (ERA24.6.7)(D) provide the capability for users to specify recipients of notices
- The system shall (ERA24.6.8)(T) provide the capability for users to send notices
- The system shall (ERA25)(D) maintain an event log
- The system shall (ERA25.1)(T) provide the capability to log all system events
- The system shall (ERA25.2)(T) provide the capability for NARA to select which information to log in the event log
- The system shall (ERA25.3)(T) provide the capability for NARA to define categories of event log information
- The system shall (ERA25.3.1)(T) provide the capability to define categories of COTS event log information
- The system shall (ERA25.3.2)(T) provide the capability to define categories of event log information for ERA services
- The system shall (ERA25.4)(T) provide the capability for NARA to define the retention period for categories of event log information
- The system shall (ERA25.4.1)(T) provide the capability to archive event log information
- The system shall (ERA25.4.2)(T) provide the capability to delete event log information by categories according to retention period
- The system shall (ERA25.5)(D) make event log information available upon request
- The system shall (ERA25.5.1)(D) be capable of providing event log information for specific electronic records
- The system shall (ERA25.6)(T) provide the capability to completely expunge event log information
- The system shall (ERA25.6.1)(T) provide the capability to completely expunge event log information pertaining to an individual electronic record from the event log
- The system shall (ERA25.6.2)(T) provide the capability to completely expunge event log information pertaining to sets of electronic records from the event log
- The system shall (ERA25.7)(I) manage the electronic records created by itself
- The system shall (ERA25.7.1)(I) provide the capability to maintain records related to any records lifecycle transaction
- The system shall (ERA26)(D) provide reporting capability
- The system shall (ERA26.1)(D) provide the capability to manage reports
- The system shall (ERA26.1.1)(D) provide the capability to create reports
- The system shall (ERA26.1.1.1)(D) provide the capability to automatically create routine reports
- The system shall (ERA26.1.1.2)(D) provide the capability to create ad hoc reports
- The system shall (ERA26.1.2)(D) provide the capability to modify reports
- The system shall (ERA26.1.2.1)(D) provide the capability for users to modify ad hoc reports
- The system shall (ERA26.1.2.2)(D) provide the capability for authorized users to modify routine reports
- The system shall (ERA26.1.3)(D) provide the capability to save reports
- The system shall (ERA26.1.3.1)(D) provide the capability to save a report to a file
- The system shall (ERA26.1.4)(D) provide the capability to delete reports
- The system shall (ERA26.1.5)(D) provide the capability to display reports
- The system shall (ERA26.1.6)(D) provide the capability to print reports
- The system shall (ERA26.2)(D) provide the capability to select reports
- The system shall (ERA26.2.1)(D) provide the capability to select routine reports
- The system shall (ERA26.2.2)(D) provide the capability to select saved ad hoc reports



The system shall (ERA26.3)(D) provide the capability to select report contents
The system shall (ERA26.3.1)(D) provide the capability to include any log event in a report
The system shall (ERA26.3.2)(T) provide the capability to include the results of any system service in a report
The system shall (ERA26.3.3)(D) provide the capability to include electronic records in a report
The system shall (ERA26.3.3.1)(D) provide the capability for a user to attach an electronic record file to a report
The system shall (ERA26.3.3.2)(D) provide the capability for a user to insert text from an electronic record into a predefined text report
The system shall (ERA26.3.3.3)(D) provide the capability for a user to insert graphics from an electronic record into a report
The system shall (ERA26.3.3.4)(D) provide the capability for a user to insert references to assets into a report
The system shall (ERA26.3.4)(D) provide the capability to combine report contents
The system shall (ERA26.3.5)(T) provide the capability to customize report formats
The system shall (ERA26.3.5.1)(T) provide the capability for users to customize ad hoc report formats
The system shall (ERA26.3.5.2)(T) provide the capability for authorized users to customize routine report formats
The system shall (ERA26.3.6)(D) provide the capability to graphically represent report results
The system shall (ERA26.3.6.1)(D) provide the capability to graphically represent numerically based report results
The system shall (ERA26.3.7)(D) provide the capability to present report results in tables
The system shall (ERA26.4)(D) provide the capability to output report results
The system shall (ERA26.4.1)(D) provide the capability to output reports to media
The system shall (ERA26.4.1.1)(D) provide the capability to output reports to approved media types
The system shall (ERA26.4.2)(D) provide the capability to present reports via the user interface
The system shall (ERA26.4.3)(D) provide the capability to output reports to other systems
The system shall (ERA26.4.3.1)(D) provide the capability to output report files to other systems in accordance with the the Interface Requirements Specification
The system shall (ERA26.5)(D) provide the capability to make reports available to other users
The system shall (ERA26.5.1)(D) provide the capability to allow users to share ad hoc report definitions
The system shall (ERA27)(I) provide systems administration capabilities
The system shall (ERA27.1)(I) provide tools to support system level testing
The system shall (ERA27.1.1)(I) provide the capability to designate test data
The system shall (ERA27.1.2)(T) provide the capability for complete deletion of test data from the system without affecting other data
The system shall (ERA27.1.3)(T) provide the capability to track designated test data throughout the system
The system shall (ERA27.1.4)(T) provide the capability to completely delete system artifacts resulting from testing from the system without affecting other data
The system shall (ERA27.1.5)(I) provide the capability for monitoring during testing
The system shall (ERA27.2)(T) manage system failures
The system shall (ERA27.2.1)(T) identify failures
The system shall (ERA27.2.1.1)(T) provide the capability to automatically monitor system components to gather system health information
The system shall (ERA27.2.1.2)(T) provide the capability to display performance and operational conditions that are outside of tolerance thresholds



The system shall (ERA27.2.1.3)(T) provide the capability to create notices when it detects conditions outside of tolerance thresholds

The system shall (ERA27.2.2)(T) isolate failures

The system shall (ERA27.2.2.1)(T) isolate failures to a site

The system shall (ERA27.2.2.2)(T) isolate failures to an instance

The system shall (ERA27.2.2.3)(T) isolate failures to hardware

The system shall (ERA27.2.2.4)(T) isolate failures to software

The system shall (ERA27.2.2.5)(T) isolate failures to power providers

The system shall (ERA27.2.2.6)(T) provide the capability to perform remote maintenance tasks on individual components

The system shall (ERA27.2.2.7)(T) isolate failures to telecommunication providers

The system shall (ERA27.2.3)(T) resolve failures

The system shall (ERA27.2.3.1)(T) provide the capability for users to perform remote triage steps

The system shall (ERA27.2.3.2)(T) provide the capability for users to remotely reboot subsystem components

The system shall (ERA27.2.3.3)(T) provide the capability for users to remotely update configuration tables on subsystem components

The system shall (ERA27.2.3.4)(T) provide the capability for users to remotely deploy software

The system shall (ERA27.2.3.5)(T) provide the capability for users to replace select subsystem components

The system shall (ERA27.2.4)(T) provide notification of failures

The system shall (ERA27.2.5)(T) provide consolidated application error logging

The system shall (ERA27.2.5.1)(T) provide the capability to gather application error data into a persistent storage location

The system shall (ERA27.2.5.2)(D) provide the capability to create textual reports that list error messages

The system shall (ERA27.2.6)(D) provide consolidated COTS fault logging

The system shall (ERA27.2.6.1)(T) provide the capability to gather COTS error data into a persistent storage location

The system shall (ERA27.2.6.2)(D) provide the capability to create textual reports that list COTS error messages

The system shall (ERA27.3)(D) monitor overall system state in a consolidated manner

The system shall (ERA27.3.1)(D) monitor system workflow

The system shall (ERA27.3.2)(D) monitor system load

The system shall (ERA27.3.2.1)(D) provide the capability to monitor CPU utilization for subsystem components

The system shall (ERA27.3.2.2)(D) provide the capability to monitor memory utilization for subsystem components

The system shall (ERA27.3.2.3)(D) provide the capability to monitor thread utilization for subsystem components

The system shall (ERA27.3.2.4)(D) provide the capability to monitor connection utilization for subsystem components

The system shall (ERA27.3.2.5)(D) provide the capability to monitor bandwidth utilization for subsystem components

The system shall (ERA27.3.3)(D) monitor system performance

The system shall (ERA27.3.3.1)(D) provide the capability to estimate file download time to the user

The system shall (ERA27.3.4)(D) monitor storage usage



The system shall (ERA27.3.5)(D) monitor data requests

The system shall (ERA27.3.5.1)(D) provide the capability to monitor requests for data by user

The system shall (ERA27.3.5.2)(D) provide the capability to capture information about requests for data

The system shall (ERA27.3.5.3)(D) provide the capability to generate access statistics based upon requests for data

The system shall (ERA27.3.5.4)(D) provide the capability to create reports based upon information about requests for data

The system shall (ERA27.3.6)(D) monitor the status of all its storage systems

The system shall (ERA27.3.7)(D) monitor the performance of all its storage systems

The system shall (ERA27.3.8)(D) present system monitoring data via a consistent operations user interface

The system shall (ERA27.3.8.1)(D) present system monitoring data for all subsystems using a consistent user interface

The system shall (ERA27.4)(D) provide the capability to adjust system parameters

The system shall (ERA27.4.1)(T) adjust storage allocations

The system shall (ERA27.4.2)(T) balance system loads

The system shall (ERA27.4.3)(T) allocate resources

The system shall (ERA27.4.4)(D) de-allocate resources

The system shall (ERA27.4.5)(D) report resources usage

The system shall (ERA27.4.6)(D) provide the capability to take resources off line

The system shall (ERA27.4.7)(D) provide the capability to bring resources on line

The system shall (ERA27.4.8)(D) present the system parameter controls via a consistent operations user interface

The system shall (ERA27.4.8.1)(D) present the system parameter controls for all subsystems using a consistent user interface

3.9 SYSTEM CHARACTERISTICS (ERA29-ERA33)

The system shall (ERA28)(T) provide logistics management capabilities

The system shall (ERA28.1)(T) provide inventory management

The system shall (ERA28.1.1)(T) provide spare parts inventory management

The system shall (ERA28.1.1.1)(T) provide the capability to monitor the spare parts inventory

The system shall (ERA28.1.1.2)(T) provide the capability to manage the replenishment of the spare parts inventory

The system shall (ERA28.1.2)(T) provide consumables inventory management

The system shall (ERA28.1.2.1)(T) provide the capability to monitor all the consumables inventories for ERA operations

The system shall (ERA28.1.2.2)(T) provide the capability to manage the replenishment of the consumables inventories

The system shall (ERA28.1.3)(T) provide the capability to manage a system-wide inventory of all hardware contained within ERA

The system shall (ERA28.1.4)(T) provide the capability to manage a system-wide inventory of all software contained within ERA

The system shall (ERA28.1.5)(T) provide the capability to manage a system-wide inventory of all accountable office equipment within ERA

The system shall (ERA28.1.6)(T) provide the capability to manage a system-wide inventory of the Physical Plant equipment



The system shall (ERA28.2)(T) provide configuration management capabilities

The system shall (ERA28.2.1)(I) provide the capability for configuration management of the operational hardware of ERA

The system shall (ERA28.2.2)(T) provide the capability for configuration management of the archival software of ERA

The system shall (ERA28.2.2.1)(T) provide the capability for configuration management of the developed software of ERA

The system shall (ERA28.2.2.2)(T) provide the capability for configuration management of the COTS software of ERA

The system shall (ERA28.2.2.3)(T) provide the capability for configuration management of the configuration files of ERA

The system shall (ERA28.2.3)(T) provide the capability for configuration management of the system software of ERA

The system shall (ERA28.2.4)(I) provide the capability to migrate hardware upgrades into the operational environment

The system shall (ERA28.2.5)(T) provide the capability to migrate software upgrades into the operational environment

The system shall (ERA28.2.5.1)(T) provide the capability to schedule the migration of software upgrades into the operational environment

The system shall (ERA28.2.5.2)(T) provide the capability to verify the migration of software upgrades into the operational environment

The system shall (ERA28.2.5.3)(T) provide the capability to rollback software migration in case of a failure

The system shall (ERA28.2.6)(I) provide configuration management to support the testing of ERA

The system shall (ERA28.2.7)(I) provide configuration management to support system documentation

The system shall (ERA28.2.8)(I) provide configuration management to support training materials

The system shall (ERA28.3)(T) provide the capability to schedule preventative maintenance for system components

The system shall (ERA29)(D) manage user subscriptions to services

The system shall (ERA29.1)(D) provide the capability to manage user subscriptions

The system shall (ERA29.1.1)(D) provide the capability for the user to create subscriptions

The system shall (ERA29.1.1.1)(D) provide the capability for a user to select characteristics for a subscription

The system shall (ERA29.1.1.2)(D) allocate a constant unique identifier for each subscription

The system shall (ERA29.1.2)(D) provide the capability for the user to modify subscriptions

The system shall (ERA29.1.3)(D) provide the capability for the user to delete subscriptions

The system shall (ERA29.1.4)(D) provide the capability for the user to suspend subscriptions

The system shall (ERA29.1.5)(D) provide the capability for the user to resume suspended subscriptions

The system shall (ERA29.1.6)(D) provide the capability for the System Administrator to execute all subscription management functions on behalf of the user

The system shall (ERA29.1.7)(D) provide the capability to display a list of a user's subscriptions

The system shall (ERA29.2)(T) provide the capability to manage subscription processing independently of other system performance functions

The system shall (ERA29.2.1)(D) provide the capability to limit system resources available to a user for subscription processing



The system shall (ERA29.3)(D) provide the capability to execute any combination of services in response to any combination of events

The system shall (ERA29.3.1)(D) provide the capability for any service to be eligible for subscription

The system shall (ERA29.3.1.1)(D) provide the capability to allow a user to identify services eligible for subscription

The system shall (ERA29.3.2)(D) provide the capability for any system event to be eligible for subscription

The system shall (ERA29.3.2.1)(D) provide the capability to allow an administrative user to identify events eligible for subscription

The system shall (ERA29.3.3)(D) provide the capability to execute a combination of services from a list of eligible services in response to a combination of events from a list of eligible events

The system shall (ERA29.4)(D) provide the capability to execute a subscription a specified number of times

The system shall (ERA29.4.1)(D) provide the capability for the user to specify the number of times a subscription is to be executed

The system shall (ERA29.4.1.1)(D) provide the capability for a user to specify the number of times a subscription is to be executed when the subscription is created

The system shall (ERA29.4.1.2)(D) provide the capability for a user to specify the number of times a subscription is to be executed when the subscription is modified

The system shall (ERA29.4.2)(D) delete subscriptions after they have been run the number of times specified by the user

The system shall (ERA29.5)(D) provide the capability for subscriptions that are time based

The system shall (ERA29.5.1)(D) provide the capability to execute subscriptions at a specified future time

The system shall (ERA29.5.2)(D) provide the capability to execute subscriptions at specified intervals

The system shall (ERA30)(D) provide service management

The system shall (ERA30.1)(T) provide the capability to queue services

The system shall (ERA30.2)(D) provide the capability to monitor services

The system shall (ERA30.3)(D) provide the capability to categorize services

The system shall (ERA30.4)(T) provide the capability to prioritize services

The system shall (ERA30.4.1)(T) provide the capability to prioritize different categories of services

The system shall (ERA30.4.2)(T) provide the capability to prioritize individual service executions within a category of service

The system shall (ERA30.5)(T) provide the capability to preempt services

The system shall (ERA30.6)(D) provide the capability to suspend services

The system shall (ERA30.6.1)(D) provide the capability to suspend a service at the category level

The system shall (ERA30.6.2)(D) provide the capability to suspend an individual service's execution within a category of service

The system shall (ERA30.6.3)(D) provide the capability to resume any type of service that has been suspended

The system shall (ERA30.7)(T) provide the capability to limit service execution times

The system shall (ERA30.7.1)(T) limit individual service execution run times in a pre-emptive manner

The system shall (ERA30.7.1.1)(T) provide the capability to limit individual service execution run times in a pre-emptive manner based on user role

The system shall (ERA30.7.1.2)(T) provide the capability to limit individual service execution run times in a pre-emptive manner based on fee-for-service

The system shall (ERA30.7.2)(D) provide the capability to adjust service execution run time limits



The system shall (ERA30.8)(T) provide check-pointing
The system shall (ERA30.8.1)(T) store check-pointed system state information sufficient for full system state recovery
The system shall (ERA30.8.2)(T) provide the capability to recover from a check-pointed point in time
The system shall (ERA30.8.2.1)(T) provide the capability to recover using check-pointed system state information
The system shall (ERA30.9)(I) provide the capability for all services to be eligible for fee bearing status
The system shall (ERA30.9.1)(T) interface with external billing systems
The system shall (ERA30.9.1.1)(T) interface with NARA's external billing systems according to the the Interface Requirements Specification
The system shall (ERA30.10)(D) estimate resource requirements for any ERA-provided service
The system shall (ERA30.10.1)(D) estimate labor time resources requirement for services
The system shall (ERA30.10.2)(D) estimate system resources requirements for services
The system shall (ERA30.11)(D) estimate execution time for any service
The system shall (ERA30.11.1)(D) estimate labor execution time for services
The system shall (ERA30.11.2)(D) estimate system execution time for services
The system shall (ERA30.12)(I) provide APIs for all developed services
The system shall (ERA30.12.1)(I) provide service based interfaces for developed services
The system shall (ERA30.13)(D) provide the capability for a service registry
The system shall (ERA30.14)(D) provide the capability to terminate a service
The system shall (ERA30.15)(D) provide the capability to start a service
The system shall (ERA31)(A) meet or exceed specified performance requirements
The system shall (ERA31.1)(A) accommodate loads as specified in Appendix B, Table B-2, ERA Record Volume Requirements
The system shall (ERA31.2)(A) be scalable to one exabyte of total storage without major design changes
The system shall (ERA31.3)(A) be scalable to ten teraobjects without major design changes
The system shall (ERA31.4)(T) provide response time performance as specified in Appendix B, Table B-3, ERA System Performance Requirements
The system shall (ERA32)(A) meet or exceed specified availability requirements
The system shall (ERA32.1)(A) meet or exceed availability requirements as specified in Appendix B, Table B-1, ERA Availability Requirements
The system shall (ERA32.2)(I) have no single point of failure
The system shall (ERA33)(A) be designed in the context of NARA's Enterprise Architecture
The system shall (ERA33.1)(T) comply with section 508 of the Rehabilitation Act of 1973
The system shall (ERA33.1.1)(T) comply with section 508 of the Rehabilitation Act of 1973, as specified in the Human Factors Specification



4. INTERFACES TO EXTERNAL SYSTEMS

The ERA System must interface with certain types (or classes) of external systems. The ERA Interface Requirements Document (IRD) describes these systems: "The systems that the ERA System may have to interface with were primarily designed as stand-alone, single purpose, self-contained applications and may not easily and efficiently support interfacing with ERA. Further, several of the existing external systems are being considered for redesign, replacement by other systems, or combination with other systems prior to ERA Initial Operating Capability (IOC)."¹

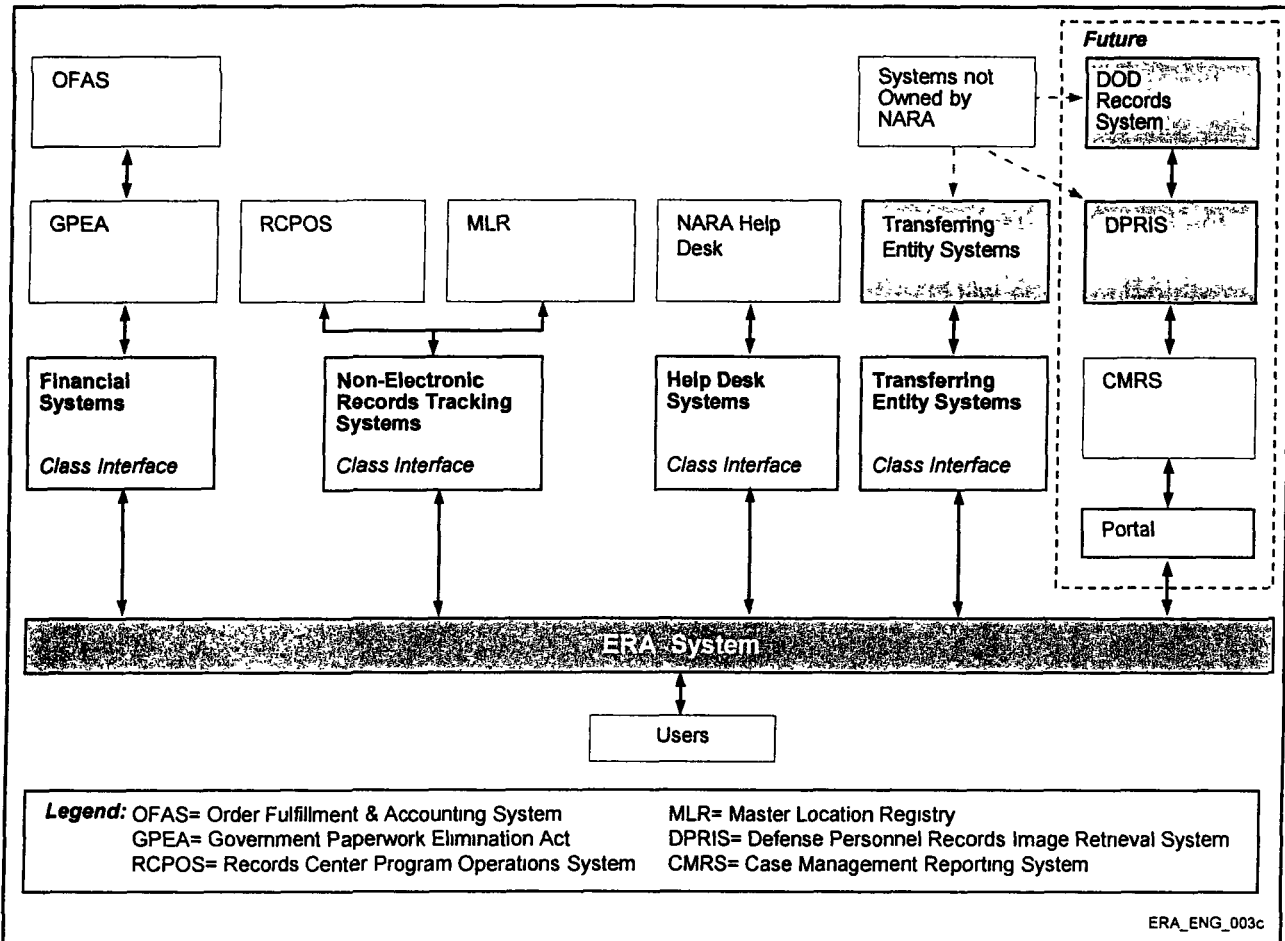
Because of the potential for near-term volatility in the systems with which the ERA System will interface, the ERA PMO has defined generic, abstract classes of external systems. The ERA System will interface to these abstract interface classes, rather than to specific external systems directly. Similarly, external systems will interface to the abstract interface classes, rather than to the ERA System directly. By decoupling the ERA System from direct external system interfaces, the external system owners gain the freedom to change their systems independently from the ERA System, as long as they adhere to the abstract interface class contract.

¹ ERA RFP# NAMA-03-R-0018, Section J-2, Amendment 001, p. J2-1



Figure 1 illustrates the four external system interfaces, and their relationship to the ERA System:

Figure 1 – ERA System External Interfaces



The four abstract classes of external systems are:

- **Financial Systems:** The ERA System will have the capability to provide products and/or services to users for a fee, which will require a financial transaction. The ERA System will interface with external financial systems (such as GPEA) to provide this capability;
- **Non-Electronic Records Tracking Systems:** The ERA System will coordinate life cycle management transactions (such as appraisal, disposition agreements, transfers, accessions) for all records, including non-electronic records. The ERA System will interface with external systems (such as RCPOS and MLR) to track the location and disposition non-electronic records, to provide disposition instructions to these systems, and to confirm that the instructions have been implemented;



- **Help Desk Systems:** The ERA System will provide help desk support for problems within its system scope. The ERA System will interface to help desks for external systems (e.g.; the NARA Help Desk) outside its scope to exchange and track help desk tickets; and
- **Transferring Entity Systems:** The ERA System will provide the capability to transfer records and records life cycle information from external systems. The ERA System will interface with Transferring Entity systems to provide this capability.

The ERA System will provide:

- Security functions that protect the messages and data on the interface and verify that only appropriate external system connections are allowed;
- Management of the availability of the system interface and ERA System service availability;
- Enforcement of a message protocol that identifies the system providing the message and the destination, and vice versa; and
- Management of the performance and required resources of the interface and assurance that the external system will not interfere with the ERA System service response times specified in this SyRS.

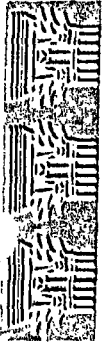
There is another class of external systems: Administrative Reporting Systems. The ERA System will not need to interface directly with this class of system; instead, Administrative Reporting Systems will satisfy their requirements using the ERA System's reporting capabilities.



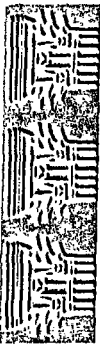
5. GLOSSARY

Term	Definition	Related Terms	Notes
Access	To make available (in accordance with all applicable access restrictions) records, copies of records or information about records through activities such as reference services, providing reproductions, and producing exhibitions and public programs.	See also "Output a Record" and "Present Electronically" for the ways in which ERA provides access to records.	
Access Privilege	An identified authorization associated with a user that grants that user the right to access records that have the corresponding access restriction. Some access privileges, such as a security clearance, are hierarchical and grant the user access	See also: access restriction	
Access Restriction	An identified restriction that controls how access can be provided to assets, and how assets can be stored. Restrictions may apply to all or part of the asset, and may be based on national security considerations, donor restrictions, court orders, Freedom of Information Act (FOIA) exemptions, or other statutory or regulatory provisions.		Note: Restrictions may be either mandatory (information must be withheld) or discretionary (information may be withheld). Restrictions apply both to classes of users who may, or may not, receive the restricted material, as well as to the restricted material and to the information that is restricted. There may be conditions, such as lapse of time, purpose of disclosure, or consent of a subject individual, which allow restricted information to be released.
Access Review	The process of reviewing records to determine what records or parts of records must be withheld from a requestor because of access restrictions, and the process of implementing those decisions to release, redact, withdraw, or withhold materials. This includes systematic review, mandatory review, FOIA review, special access review, and review of records of concern.		
Access Review Case	A collection of documents (a file) relating to a specific action, event, person, place, project or other subject, utilized in an access review	See also: Access Review	





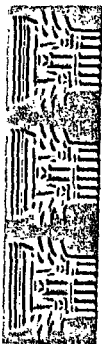
Term	Definition	Related Terms	Notes
Accession (n)	As a noun, the body of records for which legal custody is transferred by one act of accessioning.		Note: Accession should not be confused with Transfer (which involves the movement of records from the transferring entity to NARA) or Ingest (which involves bringing records into the ERA system).
Accession (v)	As a verb, the processes supporting the transfer of legal custody of records to NARA from the creator (or the creator's legal representative, successor, or heir), including the generation, execution, and processing of deeds of gift, the standard forms, or other appropriate legal documents.		Note: Accession should not be confused with Transfer (which involves the movement of records from the transferring entity to NARA) or Ingest (which involves bringing records into the ERA system).
Accession Group	A body of documentary materials for which transfer of legal custody is authorized by the same legal transfer instrument. Also referred to as "an accession".		
Ad Hoc NARA-Prepared Disposition Agreement	A generic NARA-prepared disposition agreement which can be used to establish intellectual control of documentary materials which are not Presidential records or potential donations.		
Ad Hoc Report	A report with variable content generated by the system to satisfy a temporary need.		
Adaptive Simulated Training	Computer based training which simulates user interaction with system functionality without instructor interaction or actual system functionality/connectivity. This method of training could be used for general user training, as well as for administrator training.		
Aggregate	An intellectual aggregation of documentary material arising because they result from the same accumulation or filing process, the same function, or the same activity; have a particular form; or because of some other relationship arising out of their creation, receipt, or use; or because the aggregate was required for the purposes of archival arrangement.		This is closely related to the concept of "series" or "records series"
Allocation	(1) The process of distributing requirements, resources, or other entities among the components of a system or program. (2) The result of the distribution in (1).		



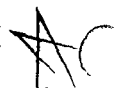
Term	Definition	Related Terms	Notes
Appraisal	The process of determining the value and thus the disposition of records (i.e., designating them temporary or permanent) based upon their current administrative, legal, and fiscal use; their evidential and informational value; their arrangement and condition; their intrinsic value; and their relationship to other records. (Society of American Archivists Glossary)		
Appraisal Report	An analytical report that describes the records submitted on a schedule and their informational or evidential value, the organizational context within which they are generated, and whether the agency-proposed disposition instructions are appropriate.		
Architectural Design	(1) The process of defining a collection of hardware and software components and their interfaces to establish the framework for the development of a computer system. (2) The result of the process in (1).		
Archival Control Group	An intellectual grouping of documentary materials used to facilitate administrative control.		
Archival Creator	The organization or person responsible for the creation, accumulation, or maintenance of a series of documentary material when in working (primary) use.	See Creator.	
Archival Description	A kind of description which adheres to NARA standards for content and structure.	See also: Description.	
Archival Metadata Templates	Templates used to describe records in the Archive	See also: template	
Archival Processing	The activities of accessioning, arranging, describing, conducting access review, and properly storing records.		
Archivally-Imposed Arrangement	An arrangement imposed on an aggregate in compliance with archival principles, for example to return the aggregate to its original order.		
Arrangement	The results of the intellectual and physical processes organizing records in accordance with the Archival Creator's business needs, accepted records management practices, or archival principals.		



Term	Definition	Related Terms	Notes
Arranging, (to arrange)	The intellectual and physical processes (and the results) of organizing records (documentary materials) in accordance with accepted archival principals (particularly provenance and original order. See also Hierarchical Description). (changes in parenthesis from Domain Model Draft)	(See also Hierarchical Description)	Note: For the purposes of the ERA system, arrangements do not dictate the physical order in which electronic records are stored by the system. The system must be able to present or output arrangements of records when the records are accessed.
Artifact	A three-dimensional object made, modified, or used by humans.		
Asset Type	The archival, business, or system category to which an asset belongs, such as record, series, disposition agreement, business rule, event log, etc.		
Assets (ERA-LM)	In the context of ERA, assets includes the electronic records, descriptions, template data, records lifecycle data, and data which is a by-product of the production system.	See also: Assets as defined by ERA-PMO	In the context of ERA, assets do not include COTS software products, developed software, or configuration support files
Assets (ERA-PMO)	The complete set of information available within ERA.		
Attribute of Records	A data item containing a single piece of information about a record.		
Audit	An independent examination of a work product or set of work products to assess compliance with specifications, standards, contractual agreements, or other criteria.		
Audit Trail	Information stored in the system log that provides the capability to discover an action or series of actions taken by the system, including actions initiated by either the system or by an individual interacting with the system.		
Authentic Copy	A copy of a record for which the official custodian attests to the authenticity.		Note, for the purposes of this SyRS, an electronic copy of an authentic electronic record is itself authentic if attested to be so by the official preserver. Such attestation is supported by the preserver's ability to demonstrate that it has satisfied all the basic requirements for the production of authentic copies. By virtue of this attestation, the copy is deemed to conform to the record it reproduces until proof to the contrary is shown.



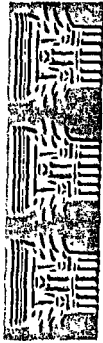
Term	Definition	Related Terms	Notes
Authentically Preserve	To maintain a record over time in such a manner that its identity is unquestionable and it is not corrupted.		
Authenticity	<p>1) The property of a record that it is what it purports to be and has not been corrupted.</p> <p>2) An authentic record is one that is proven to be what it purports to be and to have been created or sent by the person who purports to have created and sent it.</p>		
Authority Source	A list, file, pick list, or thesaurus containing standardized information (e.g., acronyms, abbreviations, names, and phrases) which is used to ensure that a person, place, thing, event, or concept is consistently referred to using the same terminology. Authority Sources provide a uniform method of creating consistent indexes or access points to records (documentary materials) and information about records (documentary materials).		
Availability	The ratio of time that a system is available to the total time of system operation. As availability is a statistical calculation, mean times are used.		
Backup	An alternate copy of a deployed asset. Assets (here) include deployed software (OS, COTS, developed code, and configuration files), data, and files.		
Behavior (Digital Item)	<p>a) The variability in the manifestation of the content of a digital item.</p> <p>b) The aggregate of the expressions of variability available in a digital item.</p>	See also: functional behavior, logical behavior, perceptual behavior	
Bit Stream	A fixed octet-serialized encoding of an information model, independent of the physical medium underlying its manifestation.	See also "Bitsequence"	
Bitsequence	A sequence of the integers 0 and 1 which is the binary representation of intellectual content such as numbers or characters, or of specified digital encodings.	See also "Bit Stream"	Digital and electronic are often used synonymously, although electronic may include analog as well as digital formats.
Catastrophic Loss	A complete loss of a data center, a library, a significant amount of data in the data center, a single media, or a single electronic record		





Term	Definition	Related Terms	Notes
Certificate Authority [CA]	As part of a public key infrastructure, an authority in a network that issues and manages security credentials and public keys for message encryption and decryption.		
Certified Copy	A copy of a record signed and certified as an authentic copy by the official custodian of the original.		
Check Pointing	Periodic recording of the state of the system, usually for purposes of being able to roll the system back to the state it was in prior to a problem.		
Code	<p>(1) In software engineering, computer instructions and data definitions expressed in a programming language or in a form output by an assembler, compiler, or other translator.</p> <p>(2) To express a computer program in a programming language.</p> <p>(3) A character or bit pattern that is assigned a particular meaning; for example, a status code.</p>		
Coding	<p>(1) In software engineering, the process of expressing a computer program in a programming language.</p> <p>(2) The transforming of logic and data from design specifications (design descriptions) into a programming language.</p>		
Collaboration Object	An asset about which collaboration is being performed. Types of assets include, but are not limited to: templates, disposition agreements, transfer agreements, archival descriptions, and records. Business functions that collaborate on these objects include, but are not limited to: scheduling, transfer, description, access review, redaction, and user assistance. An asset on which collaboration is performed will have the same structure as any other asset of the same kind; in other words, the collaboration process does not alter the asset's structure.		
Collection	A type of archival control group consisting of: 1) An artificial accumulation of documents brought together on the basis of some characteristic (such as means of acquisition, creator, subject, language, media, form, name of collector) without regard to the provenance of the documents. 2) The whole of the documents, regardless of form or media, organically created and/or accumulated and used by a particular person, family, or organization in the conduct of personal or organizational activity.		



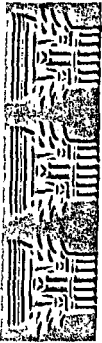


Term	Definition	Related Terms	Notes
Complex Digital Item	A Complex Digital Item is a bitsequence with a defined representation and identification that includes its own content and other Digital Items. A word processing format that allows for embedded macros is an example of a complex digital item.		In XML Schema this would be an element where mixed = true and which may have child elements
Concept Based Searching	Concept search techniques automatically identify the most significant patterns (typically proper nouns, noun phrases and verb phrases, including stemming and thesaurus) in any text and use these compound terms to rank results based on an understanding of meaning rather than simply based on finding the required words. Concept search techniques use correlation filters such as Bayesian, Shannon, genetic algorithms, other mathematical techniques.		
Configuration Control	In configuration management, an element of configuration management consisting of the evaluation, coordination, approval or disapproval, and implementation of changes to configuration items after formal establishment of their configuration identification.		
Configuration Identification	In configuration management, (1) An element of configuration management consisting of selecting the configuration items for a system and recording their functional and physical characteristics in technical documentation. (2) The current approved technical documentation for a configuration item as set forth in specifications, drawings, associated lists, and documents referenced therein.		
Configuration Management (CIM)	In system/software engineering, a discipline applying technical and administrative direction and surveillance to: identify and document the functional and physical characteristics of a configuration item, control changes to those characteristics, record and report change processing and implementation status, and verify compliance with specified requirements.		
Congressional Deposit Agreement	A deposit agreement between NARA and the U.S. Congress.		





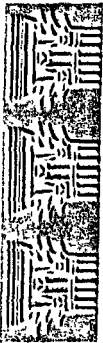
Term	Definition	Related Terms	Notes
Content	The information that a document is meant to convey (Society of American Archivists Glossary). Words, phrases, numbers, or symbols comprising the actual text of the record that were produced by the record creator.	See also "Data Content", "Content of a record"	
Constant Unique Identifier	A unique, innate identifier for a digital item and elements of information within the system. These identifiers will be used both to identify entities and to bind entities to each other.		
Content of a Record	The information conveyed by the record.	See also "Data Content", "Content"	
Context of a Record	The organizational, functional, and operational circumstances in which a record is created and/or received and used.		
Control (Data)	To regulate. To control data means to regulate it in a manner that protects it against corruption or unauthorized access.		
Controlled List Search	A search in which the user input is constrained to be a value contained in an authority source.		
Copy	A duplicate or reproduction of a document.		
Creator	The organization or person responsible for the creation, accumulation, or maintenance of a series of records when in working (primary) use.	See "Archival Creator"	
Current Owner	Current owner is the current owner of the legal right to the records.		
Custody	Guardianship, or control, of records, including both physical possession (physical custody) and legal responsibility (legal custody), unless one or the other is specified.		
Data	1) In system/software engineering, a representation of facts, concepts, or instructions in a manner suitable for communication, interpretation, or processing by humans or by automatic means. 2) Facts, ideas, or discrete pieces of information, especially when in the form in which it was originally collected and is unanalyzed.		2) Data is independent of any medium in which it is captured. Data is intangible until it has been recorded in some medium. Even when captured in a document or other form, the content is distinct from the carrier.
Data Content	Those parts of the bitsequence of a digital item on which behaviors act and which are not technical artifacts specific to the software and hardware environment in which the digital item was created. The data content will be invariable throughout the expression of any perceptual or functional behaviors. Logical behaviors may modify the data content of a digital item.	See also "Content", "Content of a record", "Data"	



Term	Definition	Related Terms	Notes
Data File	1) A collection of data that is stored together and treated as a unit by a computer. 2) Related data (numeric, textual, or graphic information) and fields that are organized in a strictly prescribed form and format		
Data Store	Any (persistent) mechanism for storing data, including but not limited to: relational databases, XML databases, XML files, and text files.		
Data Structure (Digital Item)	The defined representation of the bitsequence of a specific data type. The data structure defines how each part of the bitsequence of the digital item is to be interpreted or processed by the software that uses it.		
Data Type	The representation of information according to preset specifications (e.g., plain text files, fixed length text files, HTML, TIFF, etc.)		
Data Type Descriptor	A registry entry that describes a data type, including identifying attributes, representation information, encodings, and software needed to parse/render the data type.		
Deed Of Gift	A type of legal transfer instrument in which documentary material is donated (and legal custody transferred) to the National Archives by an individual, family, or organization		
Default Disposition Agreement	A NARA-initiated disposition agreement which contains only the mandatory information required for management purposes to be used when no other type of disposition agreement is applicable.		
Default Records Schedule	A type of disposition agreement used for Federal records which have not yet received an approved specific records schedule.		
Default Search	A standard search that has preselected criteria and values available to all ERA users.		
Default Template	A template which specifies the minimal elements necessary for a document.		
Defunct	Defunct (adj.) means "no longer in force or use; inactive; a defunct (or dead) law"		



Term	Definition	Related Terms	Notes
Deposit Agreement	A type of disposition agreement in which NARA agrees to accept physical custody of documentary materials without taking legal custody of them.		Note: Such agreements are unusual, and are not applicable for material over which NARA has statutory authority i.e. Federal and Presidential records.
Deprecated Object	An object that has been outdated by newer constructs. Deprecated objects are maintained, but are clearly marked as deprecated. Deprecated objects may become obsolete in the future.		
Description	1) The process of analyzing, organizing, and recording information that serves to identify, manage, locate, and explain documentary material, and the contexts and record systems from which the material was selected. 2) The written representation or products of the above process.	See also Hierarchical Description.	
Design	(1) The process of defining the architecture, components, interfaces, and other characteristics of a system or component. (2) The result of the above process.		
Destruction	The process of eliminating or deleting records beyond any possible reconstruction.		
Destruction Disposition Instruction	A type of disposition instruction which mandates the destruction of documentary materials.		
Detected Effects	"Detected effects" will be discovered through comparing the results of the digital adaptation processor to a normative copy.	See also Digital Adaptation Processor.	
Digital Adaptation	The transformation or migration of an object from a source data type to a different target data type.	See also Digital Adaptation Processor.	
Digital Adaptation Descriptor	A registry entry that describes a digital adaptation processor, including identifying attributes, version and other configuration information, and documented capabilities		
Digital Adaptation Processor	A processing capability that transforms a source data type to a different target data type. A generic data adaptation processor may use a template that provides the processing instructions specific to a target data type.		An XSLT processor (such as Xalan) is an example of a Digital Adaptation Processor

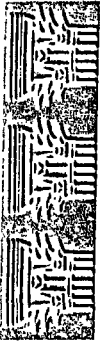


Term	Definition	Related Terms	Notes
Digital Component	A bit stream which is necessary to reproduce documentary material and requires specific identification because it is stored separately or in a specific data type, or has a specific behavior or association with specific software.		Digital and electronic are often used synonymously, although electronic may include analog as well as digital formats.
Digital Container	A Digital Container is a bitsequence that includes one or more digital items or complex digital items in an internal structure, which may be hierarchical.		In XML Schema this would be an element where mixed = false and which has child elements
Digital Item	A Digital Item is a bitsequence with a defined representation and identification. It is indivisible (cannot contain other digital items). There may be a many to 1 relationship between digital items and a data file.		In XML Schema this would be an element where mixed = false and which cannot have child elements
Digital Medium	The physical material on which digital information may be encoded for eventual access. Digital medium may include, in addition to the physical material, the packaging and form factor that is utilized for that material.	See also: Medium	Digital and electronic are often used synonymously, although electronic may include analog as well as digital formats
Digital Resource	A resource is an individually addressable bitsequence within the system. The identification of a resource resolves to a bitsequence that represents informational content without a need to reference any other bitsequence.		
Dispose	To carry out disposition instructions to destroy or donate temporary records after their retention period expires or other records without permanent value.		
Disposition (n)	Those actions taken regarding records no longer needed for the conduct of the regular current business of the originator.		Note: These actions include transfer to storage facilities or records centers, transfers from one creator to another, transfer of physical custody to NARA, and transfer of legal custody to NARA, and disposal.
Disposition Agreement	A general term that includes all types of agreements (such as records schedules and deposit agreements) that contain disposition items with associated disposition instructions.		
Disposition Agreement Package	A collection of assets related to a Disposition Agreement, such as a records schedule, an appraisal report, a Federal Register notice, Transfer Agreement, Preservation and Access Plan, etc.		



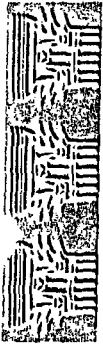
Term	Definition	Related Terms	Notes
Disposition Instruction	<p>An instruction contained in a disposition agreement that mandates what is to be done with documentary materials at certain points in their lifecycle. Disposition Instructions may consist of:</p> <ul style="list-style-type: none"> • Specification of the length of time material should be retained by their creator or custodian (a retention period), • Conditions under which the creator or custodian should terminate retention, • Physical or legal transfer of material to another custodian, • Destruction of records, or stipulation that the material is not to be destroyed. 		
Disposition Item	A separate entry on a disposition agreement which pertains to one series or other body of documentary materials.		
Document	A structured unit of recorded information, logical or physical, not fixed as a record.		
Document Template	A set of specifications about a type of document which governs its format and behaviors.		
Documentary Material	Records (temporary or permanent), non-record material, personal papers or artifacts that refer to all media containing recorded information, regardless of the nature of the media or the methods or circumstances of recording.		
Documentation	<ol style="list-style-type: none"> 1. In archival usage, the creation or acquisition of documents to provide evidence of the creator, an event, or an activity. 2. In electronic records, an organized series of descriptive documents explaining the operating system and software necessary to use and maintain a file and the arrangement, content, and coding of the data which it contains. 		
Documented Effects	Each digital adaptation processor will have known and "documented effects", which are discovered through designing and testing the processor software itself.	See also Digital Adaptation Processor.	
DOD 5015.2	A DOD and NARA approved set of requirements for ERM applications.		Also known as: Design Criteria Standard For Electronic Records Management Applications, DOD 5015.2-STD
Donated Historical Material	Documentary material that has been transferred into NARA's legal custody via a deed of gift from a person or non-Federal organization		Also known as "Donated Material"



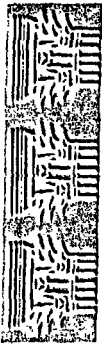


Term	Definition	Related Terms	Notes
Donor Disposition List	A type of NARA-prepared disposition agreement which pertains to materials which are under consideration for donation prior to the execution of a deed of gift.		
Dynamic	Pertaining to an event or process that occurs during computer program execution; for example, dynamic analysis, dynamic binding. Contrast with static.	Contrast with static.	
Dynamically Persisted System Data	Important non-static data in the system like the Directory, Access Policies, user personalization data not addressed by deployed "configuration support files".		Data generated by users or by the system within or through service execution that is needed for extended system processes, or to restore the system to the desired operational state.
Electronic Document	A document that consists of information that is recorded in a form that only a computer can process.		
Electronic Document Management (EDM)	Functionality to support the computerized management of electronic and paper-based documents. Associated components include a system to convert paper documents to electronic form, a mechanism to capture documents from authoring tools, a database to organize the storage of documents, and a search mechanism to locate the documents.		
Electronic Record	A record in a form that only a computer can process.		
Electronic Records Management (ERM)	Functionality to support record collection, organization, categorization, storage of electronic records, metadata, and location of physical records, retrieval, use, and disposition.		
Electronic Records Preservation And Service Plan	A preservation and service plan which applies to an aggregate of electronic records.		

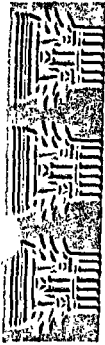




Term	Definition	Related Terms	Notes
Electronic Signature	A technologically-neutral term indicating various methods of signing an electronic message that (a) identify and authenticate a particular person as the source of the electronic message; and (b) indicate such person's approval of the information contained in the electronic message (definition from GPEA, Pub.L. 105-277). Examples of electronic signature technologies include PINs, user identifications and passwords, digital signatures, digitized signatures, and hardware and biometric tokens.		
Enterprise, Enterprise-Wide	Implementation of a service, function, or software application throughout all levels and components of an agency or organization.		
Enterprise Content Management (ECM)	An automated system with the functionality to capture, manipulate, retrieve, and publish the entire inventory of digital assets (e.g., web pages, office documents, databases, scanned images, e-mail) created by an organization.		
Equity Holder	A Federal or Presidential organization that owns or has a stake in information found in a record, and therefore must participate in decisions relating to the release, redaction, and withdrawal of records during access review.		Note: Equity holders may be involved in the redaction of records, as well as decisions regarding whether to release access restricted records in which they have an interest. The equity holder may have classified information in a record, whether or not it created the record. Without declassification guidelines, only the equity holder can declassify information in a record.
Error	<ol style="list-style-type: none">(1) The difference between a computed, observed, or measured value or condition and the true, specified, or theoretically correct value or condition. For example, a difference of 30 meters between a computed result and the correct result.(2) An incorrect step, process, or data definition. For example, an incorrect instruction in a computer program.(3) An incorrect result. For example, a computed result of 12 when the correct result is 10.(4) A human action that produces an incorrect result. For example, an incorrect action on the part of a programmer or operator.		



Term	Definition	Related Terms	Notes
Escalation	<p>Taking some action when the allocated time for a process step is exceeded. Actions might include:</p> <ul style="list-style-type: none"> - return to originator - forward to higher level approver -- automatic approval 		
Essential Characteristics	<p>Those properties/characteristics of electronic records that must remain unchanged through transfer, ingest, storage, and presentation or output of records.</p>		
Event Log	<p>The recording of activities performed by ERA for the purpose of providing audit trails, accountability information, and the re-creation of events.</p>		
Execute	<p>To carry out an instruction, process, or computer program.</p>		
Export - Media	<p>To remove a self describing piece of media from ERA data repository. Records contained on exported media continue to exist on the ERA instance from which the media was exported.</p>		
Export - Record	<p>To remove a record from ERA and provide it to another system or user. The exported record no longer exists in ERA at the conclusion of an export. Export may or may not include the records lifecycle data pertaining to the exported record.</p>		
Expunge Record	<p>Complete removal of a record and all related information such that no trace of the record's existence or its audit trail information remains in the system.</p>		
Fault Tolerance (Software Design And Software Design Concepts)	<p>(1) The ability of a system or component to continue normal operation despite the presence of hardware or software faults. (2) The number of faults a system or component can withstand before normal operation is impaired. (3) Pertaining to the study of errors, faults, and failures, and of methods for enabling systems to continue normal operation in the presence of faults</p>		
Federal Enterprise Architecture (FEA)	<p>A strategic information asset base, which defines the business, the information necessary to operate the business, the technologies necessary to support the business operations, and the transitional processes necessary for implementing new technologies in response to the changing business needs. It is a representation or blueprint.</p>		

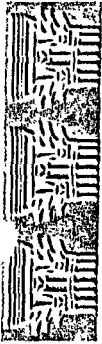


Term	Definition	Related Terms	Notes
Federal Enterprise Architecture Framework (FEAF)	An organizing mechanism for managing development, maintenance, and facilitated decision making for federal information technology resources. The framework provides a structure for organizing federal resources and for describing and managing Federal Enterprise Architecture activities.		
Federal Records Legal Transfer Instrument	A type of legal transfer instrument used specifically for the transfer of legal custody of Federal records. Note: This instrument is currently the SF 258.		
Fee Bearing Service	An ERA capability for which a fee may be charged.		
Fidelity	1) A measure of the congruence between the renditions of two digital items when measured in terms of specified behaviors and attributes. In the ERA context this is generally a measure of the similarity of a human subject's experience of the rendition of a digital item in the technical environment for which it was created and the rendition of a different digital item, intended to be perceived from a human subject's point of view as the same, in its technical environment. 2) Accuracy of reproduction.		1) Fidelity can be measured in terms of a single behavior, and when different behaviors are weighted, an overall calculation of fidelity can be arrived at.
File Plan	1) A plan designating the physical location(s) at which an agency's files are to be maintained, the specific types of files to be maintained there, and the organizational element(s) having custodial responsibility. 2) A document containing the identifying number, title, or description, and disposition authority of files held in an office.		
File Unit	1) A record aggregate made up of an organized unit of documentary materials grouped together either for current use or in the process of archival arrangement. A file unit is the intellectual grouping of the material, which may or may not equal the physical physical folders, but described as one file unit. 2) The middle level of hierarchical description as defined by NARA, which describes the above aggregate.		



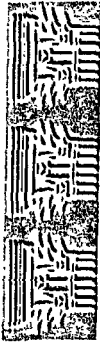
Term	Definition	Related Terms	Notes
Final Operating Capability (FOC)	The complete set of ERA capabilities when the system is fully deployed and fully operational.		
Foreign Language Extensibility	Designing the ERA system such that it may be enhanced to accommodate foreign (non-English) languages if needed without major rework to the system.		
Free Text Search	A search in which the user input can be anything textual.		
Freedom Of Information Act (FOIA) Request	A request, made based on the provisions of the Freedom of Information Act, for access to restricted information in Federal records held by NARA, including NARA operating records subject to the FOIA, or for access to Presidential records in the custody of NARA that were created after January 19, 1981 and are subject to the Presidential Records Act.		
Functional Behaviors	Functionality in the software or hardware that originally manipulated a digital object which defined how the user could interact with the object in its original context. These behaviors are inherent in the software or hardware that created or materialized the digital item, not in the item itself. There is no reference to them in the digital item and it may be impossible to infer them from the digital item.	See also: behavior. Contrast with logical behavior, perceptual behavior	Examples: sorting tabular data or a pivot table in an MS Excel spreadsheet, visual orientation of an image on a monitor, ability to select a scene at random in a movie on a DVD
Functional Design	(1) The process of defining the working relationships among the components of a system. (2) The result of the process in (1).	Contrast with object-oriented design, data-structure design.	
General Records Schedule	1) A type of records schedule issued by NARA which governs the disposition of specified Federal records common to several or all agencies. 2) A records schedule governing specified series of records common to several or all agencies or administrative units of a corporate body (Society of American Archivists Glossary). The NARA General Records Schedules (GRS) provide disposition authority for temporary administrative records common to several or all agencies of the Federal Government.		



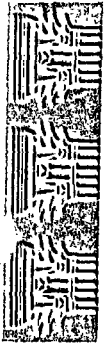


Term	Definition	Related Terms	Notes
Geographic Information	The geographic area represented in the archival materials. Appropriate geographic information for the archival materials should be chosen from a Geographic Authority File.		
Geospatial Identifiers	Information that identifies the geographic location and characteristics of natural or constructed features and boundaries on the earth. This information may be derived from, among other things, remote sensing, mapping, and surveying technologies. Contrast with geographic information, which specifies places by name.	Contrast with geographic information, which specifies places by name.	
Government Function	A government activity or program, possibly spanning more than one agency or organization.		
Government Line of Business	A general area or subject in which the government works (internally or externally), such as education, national defense, or transportation. Lines of business are defined under the Federal Enterprise Architecture (FEA) Business Reference Model (BRM) at www.feapmo.gov/fea.asp .		
Grammar	A formal definition of the syntactic structure of a language, normally given in terms of production rules which specify the order of constituents and their sub-constituents in a sentence (a well-formed string in the language). Each rule has a left-hand side symbol naming a syntactic category (e.g. "noun-phrase" for a natural language grammar) and a right-hand side which is a sequence of zero or more symbols. Each symbol may be either a terminal symbol or a non-terminal symbol. A terminal symbol corresponds to one "lexeme" - a part of the sentence with no internal syntactic structure (e.g. an identifier or an operator in a computer language). A non-terminal symbol is the left-hand side of some rule. One rule is normally designated as the top-level rule which gives the structure for a whole sentence.		A grammar can be used either to parse a sentence or to generate one. Parsing assigns a terminal syntactic category to each input token and a non-terminal category to each appropriate group of tokens, up to the level of the whole sentence. Parsing is usually preceded by lexical analysis. Generation starts from the top-level rule and chooses one alternative production wherever there is a choice.





Term	Definition	Related Terms	Notes
Help Desk Tiers	The ERA help desk will use a three tiered structure. Tier 1 is staffed by customer service representatives and as the initial point of contact they will answer the majority of help questions for ERA users. Tier 2 are system administrators, and tier 3 are other ERA development and maintenance technical staff. Help issues will be escalated to the tier required to resolve the issue. We will review adding these definitions to the glossary as part of the final updates.		
Hierarchical Description	The principal of archival description in which records are described in aggregates at various prescribed hierarchical levels. At NARA these levels range from the largest grouping (series) to the intermediate level (file unit) to the smallest (item). Descriptions of records at the series level are also linked to one of two types of archival control groups: a record group or a collection.		
Identical Copy	A copy of a document that has the same content, structure, and presentation as the original.		
Identity And Rights Templates	Templates used to define the nature and rights of identities on records.	See also: template	
Implementation	(1) The process of translating a design into hardware components, software components, or both. (2) The result of the process in (1).		
Information	A collection of data, ideas, thoughts, or memories. Information and data are near synonyms. Where data connotes facts, ideas, or information in its most atomized form, information refers to more complex concepts made up of multiple data elements. Information may take many forms, including words, sounds, images, and formulas.		Information, like data, is independent of any medium in which it is captured as content. Information is intangible until it has been recorded in some medium. Recorded information may be captured in databases, spreadsheets, documents, sound recordings, or motion pictures. Even when captured in a document or other form, the information remains distinct from the medium.

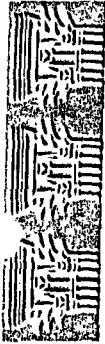


Term	Definition	Related Terms	Notes
Informational Content	The meaning a human subject attributes to a specific manifestation of a digital item, or collection of digital items. That meaning will be inferred from the data content and the behaviors manifested with the data content of a digital item in a specific context and from any explicitly declared or inferred relationships between digital items manifested together. [Two digital items appearing together on the same screen, as for example an advertisement on a web page, may be perceived as related or not]. Informational content will likely change with a change in behaviors.		Informational content is an intellectual concept that, because it relies on the subjective interpretation of a human, cannot be measured and is indeterminable. Archival description is intended to constrain the range of interpretations.
Ingest	The process of moving records into the ERA system.		
Initial Operating Capability (IOC)	The set of ERA capabilities available for use upon completion of the initial deployment of ERA.		
Inspections	A static analysis technique that relies on visual examination of development products to detect errors, violations of development standards, and other problems. Types include requirements inspections, code inspections; design inspections.		
Instrument of Transfer	A type of legal transfer instrument which can be used when neither a deed of gift nor Federal records legal transfer instrument is applicable, for example in the transfer of Presidential records.		
Integrity	The integrity of a record refers to its being complete and unaltered.		
Item	<ol style="list-style-type: none"> 1) The smallest intellectually indivisible archival unit (e.g. a letter, memorandum, report, leaflet, or photograph). 2) The lowest level of hierarchical description as defined by NARA, which describes the above material. 	See also: Digital Item	
Legal Custody	To have legal control and responsibility for a specific group of records.		
Legal Transfer Disposition Instruction	A type of disposition instruction which mandates the transfer of legal custody of the documentary materials to the National Archives.		
Legal Transfer Instrument	An instrument, usually a document, which formally conveys the legal custody of documentary material to the National Archives.		

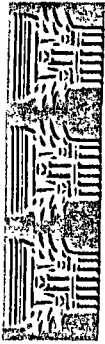


Term	Definition	Related Terms	Notes
Lifecycle Document Templates	Templates used to create documents that will become records in the Archives	See also: template	
Location Transparent Access (To Assets)	A user, or a component of the system, will not need to know the location of a record within ERA in order to access that record. A search capability will locate requested records based on entered search criteria.		
Logical Behaviors	Transformations to the content or presentation of the content of a digital item that could be optionally executed by a user in the original context that created that item. These logical behaviors are defined in associated processing instructions	See also: behavior, contrast with functional behavior, perceptual behavior	Examples: JavaScript embedded in a HTML page, an applet, macros in desktop applications, SQL queries
Losslessly	A term to describe the outcome of (hardware) compression which does not rely on removing data in order to reduce file size. With lossless compression, the results of the algorithm can be reversed to completely recover the original data. With lossless compression, every single bit of data that was originally in the file remains after the file is uncompressed.		
Maintenance	(1) The process of modifying a software system or component after delivery to correct faults, improve performance or other attributes, or adapt to a changed environment. (2) The process of retaining a hardware system or component in, or restoring it to, a state in which it can perform its required functions.		
Material In Courtesy Storage	Documentary material which NARA stores at no charge as a courtesy to the owner, and for which the owner maintains legal custody of the material. Such material may or may not eventually be donated		
Media Migration	The act of moving electronic records and related data from one piece of media to another, usually in response to improving media technology, to avoid the inability to access records on media that is becoming obsolete, or to move records from media that is deteriorating onto fresh media.		



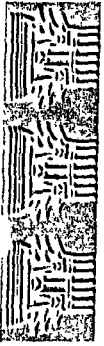


Term	Definition	Related Terms	Notes
Mediated Search	A search for records or information about records during which the person searching is assisted by NARA personnel.		
Mediated Search Request	A request for a search for documentary materials or information about documentary materials during which the person searching is assisted by NARA personnel		
Medium	The physical material in or on which information may be recorded (e.g. paper, magnetic tape, film).	See also: Digital Medium	Note: For the purposes of this SyRS, Medium is the physical material on which the information constituting electronic records reside (e.g., magnetic disk, magnetic tape, CD, etc.). The term metadata should always be referenced using a leading qualifier, such as (but not limited to) the following: provenance, restrictions, access history, rights, presentation, preservation, context, content, workflow, persistent object format, target format output, user rights, administrative, descriptive, structural, etc.
Metadata	Information about a digital item that provides the context necessary to establish its quality as a record, or to provide reference to the content. The contextual information may include provenance, the original order of objects in the record, lifecycle information, intellectual property rights, access restrictions, and information about the form of the digital object, its attributes and behaviors. (see note)		
Metric	A quantitative measure of the degree to which a system, component, or process possesses a given attribute.		
Model Template	A template created to be copied and modified for the creation of new templates.		
NARA-Prepared Disposition Agreement	A type of disposition agreement which allows NARA to establish adequate intellectual control of documentary material for management purposes prior to their physical or legal transfer. Note: These agreements will allow NARA to ingest materials into the ERA system, and can be used (as appropriate) to inventory, track, and plan for the arrival and processing of materials. They may be created entirely by NARA without any participation by the Transferring Entity	See also: Disposition Agreement, Ad Hoc Disposition Agreement	
Non-Electronic Document	A document that consists of information that is recorded in a form that can be understood without the aid of a computer.		
Non-Electronic Record	Any information that is recorded in a form that can be understood without the aid of a computer and that satisfies the definition of a record.		

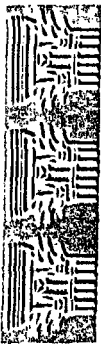


Term	Definition	Related Terms	Notes
Non-Electronic Records Preservation and Service Plan	A preservation and service plan which applies to an aggregate of non-electronic records.	See also: Preservation and Service Plan	
Non-Repudiation	Steps taken by an agency to provide assurance, via the use of an audit trail, that a sender or initiator of an activity cannot deny being the source of a message or the initiator of the activity, and that a recipient cannot deny receipt of a message.		
Notice	For the purposes of this SyRS, any communication originating from ERA to a user or group of users of the system. Notices may inform users of scheduled system downtime, the availability of search results, or other information that needs to be conveyed to users.		
Object (Digital)	A discrete instance of data (i.e. a record, description, etc) intended to be managed by the ERA System.		From SAA Glossary: A collection of data with defined boundaries that is treated as a single entity; a resource; a digital object.
Object-Oriented Design (Software Design and Software Design Strategies and Methods)	A software development technique in which a system or component is expressed in terms of objects and connections between those objects. Contrast with functional design, data-structure design.	Contrast with functional design, data-structure design.	
Offsite	An operational site which is physically separated from the site performing a particular operational activity.		
Online Certificate Status Protocol [OCSP]	A draft Internet communications protocol of the IETF X.509 PKI Working Group that is useful in determining the current status of a digital certificate without requiring certificate revocation lists.		
Online Form	Online Forms are software versions of physical forms (e.g. SF115, SF258, etc). The term "online form" is not envisioned to extend to all Web forms for each process step.		

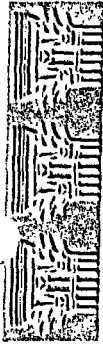




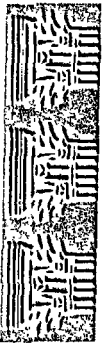
Term	Definition	Related Terms	Notes
Original Order	The arrangement of records established by the creator, preserved by NARA in order to preserve existing relationships, evidential significance, and the usefulness of finding aids supplied by the creator.		
Output A Record	A means of making a record available outside of the system, such as copying files to digital media, printing records to paper, or transmitting copies over the internet. The record in ERA archival storage is not affected by being output.		
Perceptual Behaviors	Data embedded within a digital item that represent values which, when processed by the software that interprets that data type, defines how a human subject would perceive the content of the digital item. These behaviors may include data that define all aspects of human perception, such as Visual (color, size number of dimensions, location in visual space, perspective, illumination, etc.), Audio (frequency, volume, acoustics, etc), and Movement (3 dimensional orientation, momentum, acceleration)	See also: behavior Contrast with: functional behavior, logical behavior	
Performance	The degree to which a system or component accomplishes its designated functions within given constraints, such as speed, accuracy, or memory usage.		
Permanent Record	A record that has sufficient historical or other value to warrant its continued preservation by the Federal Government beyond the time it is needed for administrative, legal, or fiscal purposes.		
Persistent Format	A data type, which may be simple or complex, that is independent of specific hardware or software, such that an object in this data type can be transferred from a source platform to an arbitrary target platform with no significant alteration of essential attributes or behaviors.		
Physical Custody	To have physical control of and responsibility for a specific group of records.		
Physical Media	The physical material in or on which information may be recorded (e.g. magnetic disks, magnetic tape, film).	See also: Medium, Removable Media	



Term	Definition	Related Terms	Notes
Physical Transfer Disposition Instructions	A type of disposition instruction which mandates the transfer of physical custody of the documentary materials to a records center the National Archives, or another type of custodian.		
PRA Instrument of Transfer	A type of legal transfer instrument which references The Presidential Records Act to document the transfer of legal custody of Presidential records.		
Present Electronically	The act of reproducing records on an electronic device, as opposed to producing hard copies, printing text or images to paper, or writing records to media. The records in ERA archival storage are not affected by being presented electronically.		
Preservation	Processes and operations involved in ensuring the technical and intellectual survival of authentic records through time.		
Preservation And Access Level (PAL)	The related services for preservation and access to a set of electronic records maintained in the ERA system. NARA will specify standard PALs for given record types and data types.	See Preservation and Service Plan	
Preservation And Service Plan	A plan, based on the results of a preservation assessment, indicating the activities to be undertaken in preserving specific documentary material or sets of documentary material and the level of service NARA plans to provide for them		Initially ERA PMO referred to this concept as "Preservation and Access Level (PAL)"
Preservation Assessment	1) The review of records to determine the records' current condition and potential need for preservation processing. 2) The results of this review.		
Preservation Copy	A copy of a record used solely in the processes and operations involved in the stabilization and protection of the record against damage or deterioration.		
Preservation Process	A process appropriate for ensuring the continued existence, accessibility, and authenticity of records over time.		
Presidential Records Disposition List	A type of NARA-prepared disposition agreement which pertains to records which will be transferred from a Presidential administration.		
Printable Assets	Electronic assets that can be rendered two dimensionally by a printing device		

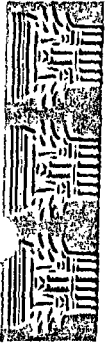


Term	Definition	Related Terms	Notes
Privacy Act amendment information	Privacy Act amendment information is the data provided by the requestor that describes the amendment, such as the date of request, requestor identification and the requested amendment itself.		
Process	(1) A sequence of steps performed for a given purpose; for example, the software development process. (2) An executable unit managed by an operating system scheduler. (3) To perform operations on data		
Project Plan	A document that describes the technical and management approach to be followed for a project. The plan typically describes the work to be done, the resources required, the methods to be used, the procedures to be followed, the schedules to be met, and the way that the project will be organized, e.g., a software development plan.		
Provenance	The organization or individual that created, accumulated, or maintained the records in the conduct of business, and/or maintained records in the conduct of business prior to their transfer to NARA.		Note: The archival principle of provenance states that records of the same provenance must not be intermingled with those of any other provenance. For the purposes of this SyRS, this is not to be construed as placing any limitations on how records may be sequenced or segregated on storage media.
Public Key Infrastructure [PKI]	An IT infrastructure that enables users of a basically insecure public network such as the Internet to securely and privately exchange data through the use of a public and a private cryptographic key pair that is obtained and shared through a trusted authority.		



Term	Definition	Related Terms	Notes
Record	<p>1) A unit of recorded information created, received, and maintained as evidence or information by an organization or person, in pursuance of legal obligations or in the transaction of business.</p> <p>2) All books, papers, maps, photographs, machine readable materials, or other documentary materials, regardless of physical form or characteristics, made or received by an agency of the U.S. Government under Federal law or in connection with the transaction of public business and preserved or appropriate for preservation by that agency or its legitimate successor as evidence of the organization, functions, policies, decisions, procedures, operations, or other activities of the Government or because of the informational value of data in them.</p>		
Record Behavior	For the purposes of this SyRS, the ability of a record presented or output by ERA to do essentially the same things it could do when in use by the transferring entity.	See also "Specified Behavior".	
Record Creator	See Creator.	See Creator.	
Record Group	A type of archival control group consisting of an administrative grouping of organizationally related records established by an archival agency after considering the organization's administrative history and complexity and the volume of its records.		
Record Presentation	The process or the result of a process, of transforming an electronic record from a digital storage format into a form in which it can convey to a human the information it was intended to communicate.		
Record Series	File units or documents arranged in accordance with a filing system or maintained as a unit because they result from the same accumulation or filing process, the same function, or the same activity; have a particular form; or because of some other relationship arising out of their creation, receipt, or use. (Society of American Archivists Glossary)		

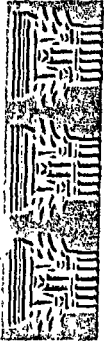




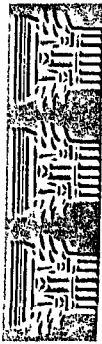
Term	Definition	Related Terms	Notes
Record Structure	The relationships between digital items in a "complex digital item," a digital container, or an aggregate of containers and items that singularly or collectively make up a record. The record structure defines which items are associated to other items, and the nature of that association, such as child, parent, or sibling and whether items are embedded in other items, as in a complex digital item.		Along with content and context, structure is one of the three fundamental aspects of a record. Internal structure includes the relationship of content within a record, while external structure places a record in the context of an order, a series, and a collection.
Record Type	The intellectual form of the records, such as letter, memo, greeting card, or portrait		
Records Center	A facility for the storage and servicing of records pending their disposal or transfer to the National Archives. Records centers include NARA-authorized agency records centers and NARA-operated Federal records centers.		
Records Lifecycle	An archival concept that describes the lifespan of a record, from its creation or receipt to its final disposition. The records lifecycle is divided into the following stages or phases: creation/receipt, maintenance and use, retirement, final disposition, and continuing use.		
Records Lifecycle Data	All data collected by NARA that pertains to the records throughout their lifecycle. This includes all data related to records lifecycle management processes, including data collected during scheduling, physical transfer, legal transfer, and description.		
Records Lifecycle Transaction	Activity performed on records throughout their existence that changes their status in the records lifecycle. Such transactions include the scheduling and appraisal of government records, the development of deposit agreements, the retirement of records to NARA's physical custody, the transfer of permanent records to the National Archives and Presidential Libraries, destruction, and the review, redaction, and release of information subject to legal restrictions on access. Making a copy of a record is not a lifecycle transaction, because it does not change the status of the record being copied.		



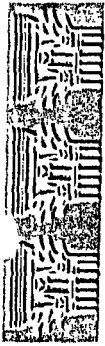
Term	Definition	Related Terms	Notes
Records Schedule	A type of disposition agreement developed by a Federal agency and approved by NARA that describes Federal records (and non-record materials), establishes a period for their retention by the agency, and provides mandatory instructions for what to do with recurring or nonrecurring records when they are no longer needed for current Government business. The term refers to: (1) an SF 115, Request for Records Disposition Authority, that has been approved by NARA to authorize the disposition of Federal records; and (2) a General Records Schedule (GRS) issued by NARA.	See also: General Records Schedule (GRS)	Note: Records schedules may be reproduced or referenced in a printed agency manual or directive containing the records' descriptions and disposition instructions approved by NARA on one or more SF 115s or issued by NARA in the GRS. Also called records disposition schedule, records control schedule, records retention schedule, records retention and disposition schedule, or schedule.
Record-Type Specific Template	A template which specifies attributes for a specific type of record.		
Redaction	The action of following instructions and/or guidelines from equity holders to create a copy of records, in which access restricted information is removed so that the non-restricted information in the record may be made available to the public.		
Refreshment	Replacement of media that has (1) degraded, (2) reached end-of-life based on age, or (3) reached end-of-life based on usage.		
Registration Of A Template	Official approval of a template by NARA, and placement of the template in the ERA template repository. Once registered, the template can be used.		
Related Materials	A broad variety of items with a perceived connection, relation, or reference to an archival asset or set of assets.		This glossary uses material as an encompassing, generic term to describe the broad variety of items that an archives might collect, regardless of medium, format, or type. It is used to avoid connotations carried by terms such as record, document, or object. In this sense, materials may be tangible (of matter) or virtual (electronic), and may be used to describe a collection of individual items. In the context of digital information, material is roughly synonymous with resource. (from http://www.archivists.org/glossary/index.asp)



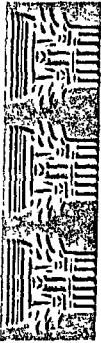
Term	Definition	Related Terms	Notes
Related Resources	Information and/or services, available for use through a network, with a perceived connection, relation, or reference to an archival asset or set of assets.		
Release (Full Release, Partial Release)	A review determination that the record may be accessed by the public, either in full or in part. Full release indicates that the entire record is available for access. Partial release indicates that some information within the record has been withheld by performing redaction, or that a subset of records in a group of records has been withheld.		
Reliability (of a Record)	A reliable record is one whose contents can be trusted as a full and accurate representation of the transactions, activities, or facts to which they attest and can be depended upon in the course of subsequent transactions or activities.		
Remote Triage	Remote triage is a process for sorting system problems into groups based on their characteristics and severity from a distant location. The steps that a technical team goes through can be considered as a triage of the system. The performance of remote triage will determine the seriousness of a problem and whether there are any steps that should be performed prior to getting more sophisticated help.		There are functions that a technician is able to perform, such as: remote rebooting the operating system, the remote closing of ports or limiting of select message protocols, the remote reloading of routing tables, the remote rebooting of the network components. There are many tools that are available to the technician to help the technical team determine what might be going or have gone wrong in a system, that they can use to remotely evaluate or repair the system.
Removable Media	Storage media that is intended to be removable such as magnetic tape and optical disk.		
Remove Record	Remove a record from the system but maintain its audit trail or other information about it.		
Repository	The physical or logical identification of the location of the documentary material.		



Term	Definition	Related Terms	Notes
Representation Information	Information accompanying a digital object, or sequence of bits, that is used to provide additional meaning. It typically maps the bits into commonly recognized data types such as character, integer, and real, and into groups of these data types. It associates these with higher-level meanings that can have complex inter-relationships that are also described.		
Requirement	(1) A condition or capability needed by a user to solve a problem or achieve an objective. (2) A condition or capability that must be met or possessed by a system or system component to satisfy a contract, standard, specification, or other formally imposed documents. (3) A documented representation of a condition or capability as in (1) or (2).		
Retrieval of Records	The process of locating records, getting them from storage, and preparing them for presentation or output.		
Re-validation (of An Electronic Signature)	Re-confirming the validation process for a previously validated electronic signature.		
Review Determination	The decision in an access review as to whether records will be fully released, partially released, redacted, withdrawn, or withheld.		
Reviews	A process or meeting during which a work product, or set of work products, is presented to project personnel, managers, users, customers, or other interested parties for comment or approval. Types include code reviews, design reviews, formal qualification reviews, and requirements reviews, test readiness reviews.		
Rollback	To reset a system or component back to the previous state. A rollback can include some or all of the operating system, patch, application software, databases, or files.		
Routine Report	A report of standardized content and format that is automatically generated by the system on a pre-defined routine basis. Routine reports are under CCB and CM control.		



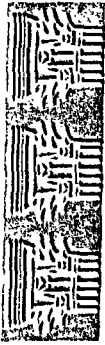
Term	Definition	Related Terms	Notes
Sample Records	Copies of a representative group of records provided by the creator or a custodian to NARA to support the review of a proposed disposition agreement, an inspection or evaluation of the agency's records management program, or the identification of preservation requirements.		
Schedule (n)	As a noun, a synonym for records schedule.		
Schedule (v)	As a verb, the processes carried out by a Federal agency to support the development of a records schedule.		
Self-Describing	An entity whose data structure, format, or layout provides both definitions and values for the data or formats of the entity. A self-describing entity can be evaluated, with all its elements and formats understood, without the need of external references.		
Sensorial Behaviors	Data preserved in a digital object that determined how a human would experience the object when rendered in its original context. These may include Visual, Audio, Movement (Orientation and Momentum), Touch, [in future Smell, Taste] behaviors.		
Series	1) A record aggregate consisting of file units or items arranged in accordance with a filing system or maintained as a unit because they result from the same accumulation or filing process, the same function, or the same activity; have a particular form; or because of some other relationship arising out of their creation, receipt, or use. 2) The highest level of hierarchical description as defined by NARA, which describes the above aggregate.	See also Record Series	
Service Architecture Templates	Templates used to orchestrate services and make the system self-describing	See also: template	
Set Of Records	Records grouped together, either physically or virtually, for any purpose. Sets may be hierarchical in nature.		
Software	Computer programs, procedures, and possibly associated documentation and data pertaining to the operation of a computer system.	Contrast with hardware.	



Term	Definition	Related Terms	Notes
Software Configuration Control	In configuration management, an element of configuration management consisting of the evaluation, coordination, approval or disapproval, and implementation of changes to configuration items after formal establishment of their configuration identification.	(Configuration Control, Software Configuration Management)	
Software Configuration Identification	In configuration management, (1) An element of configuration management consisting of selecting the configuration items for a system and recording their functional and physical characteristics in technical documentation. (2) The current approved technical documentation for a configuration item as set forth in specifications, drawings, associated lists, and documents referenced therein.	(Software Configuration Management)	
Software Configuration Management	In system/software engineering, a discipline applying technical and administrative direction and surveillance to: identify and document the functional and physical characteristics of a configuration item, control changes to those characteristics, record and report change processing and implementation status, and verify compliance with specified requirements.		
Software Requirements Analysis	(1) The process of studying user needs to arrive at a definition of system, hardware, or software requirements. (2) The process of studying and refining system, hardware, or software requirements. (3) Reasoning and analyzing the customers and users needs to arrive at a definition of software requirements.		
Software Requirements Specification	1) A document that specifies the requirements for a system or component. Typically included are functional requirements, performance requirements, interface requirements, design requirements, and development standards. 2) A document that clearly and precisely records each of the requirements of the software system.		
Software Tool	A computer program used in the development, testing, analysis, or maintenance of a program or its documentation. Examples include comparator, cross-reference generator, decompiler, driver, editor, flow-chapter, monitor, test case generator, and timing analyzer.		

Term	Definition	Related Terms	Notes
Spatial Behaviors	The location in three dimensional space, real or perceived, and which is defined in relation to a specified reference point, at which the manifestation of a digital item is intended to occur, such as a sound that should be perceived to come from behind and above the listener.		
Specific Records Schedule	A type of records schedule developed by a Federal agency and approved by NARA that describes Federal records, establishes a period for their retention by the agency, and provides mandatory instructions for what to do with them when they are no longer needed for current Government business. Also called records disposition schedule, records control schedule, records retention schedule, records retention and disposition schedule, or schedule. Note: Currently this process is supported by the SF 115, Request for Records Disposition Authority.	See also: Records Schedule	
Specified Behavior	Behavior of a record that has been specified in advance of preservation by ERA to be of sufficient importance that it must be maintained through preservation and be available when the record is output or presented.	See also "Record Behavior".	
Software Quality Assurance (SQA)	(1) A planned and systematic pattern of all actions necessary to provide adequate confidence that an item or product conforms to established technical requirements. (2) A set of activities designed to evaluate the process by which products are developed or manufactured. (3) The set of activities specified in a Software Quality Assurance Plan, as developed based on IEEE-Standard-730		
Standard Language Notice	A notice that is expected to be reused, as opposed to a one-time notice.		
Standards -- Software	Mandatory requirements employed and enforced to prescribe a disciplined uniform approach to software development		
Structure	The physical and logical format of a record and the relationships among the data elements.		
Structured Data	Data that resides in fixed fields within a record or file, and has an enforced composition to the atomic data types. Relational databases and spreadsheets are examples of structured data.		

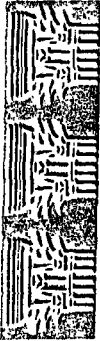
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 December 08, 2005



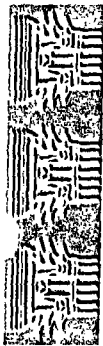
Term	Definition	Related Terms	Notes
Subject (Archival)	The topic(s) represented in archival material.		
Subscription	For the purposes of this SyRS, a standing instruction stipulating a specific action to be taken by the system on behalf of the user at the occurrence of a trigger event.		
Supplemental Descriptive Information	A type of description in which documentary materials are described in ways which do not meet NARA standards for content and structure		
Support Manual	A document that provides the information necessary to service and maintain an operational system or component throughout its lifecycle. Typically described are the hardware and software that make up the system or component and procedures for servicing, repairing, or reprogramming it.		
Support Software	Software that aids in the development or maintenance of other software, for example, compilers, loaders, and other utilities.		
Supreme Court Deposit Agreement	A deposit agreement between NARA and the U.S. Supreme Court.		
System (ERA)	Includes all of the associated equipment, facilities, material, software, hardware, policy, technical documentation, services, and personnel required for operations and support at NARA [of the Electronic Records Archives].		
System Metadata Templates	Templates used to process digital objects in the archive	See also: template, metadata	
Systematic Review (re: Classification)	A complementary program to automatic declassification. Requires all agencies that originate classified information to establish and conduct a systematic declassification review program for classified permanently valuable records for the purpose of declassification after the records reach a specific age. Records exempted from automatic declassification are subject to the systematic review program.		
Target Format Processor	A system element (e.g. software code) that takes as input a target data type and renders that data type within a target device.		



Term	Definition	Related Terms	Notes
Target Format Template	A set of instructions that when processed by a Digital Adaptation Processor in conjunction with a persistent object format of a digital item will produce the specified target format version of that item. A set of specifications about a type of record or a set of records.		Note: For the purposes of this SyRS, the system will apply templates to ensure the preservation of authentic records; to ensure that lifecycle transactions are correctly executed; and to facilitate access to the records.
Template			
Template Repository	The repository that contains all registered and deposited templates and template information and which provides services to support the creation and management of templates.		
Temporal Behaviors	The sequencing in time of the manifestation of digital items, as in an orchestration of sounds, the visualization of a sequence of images, or the intermittent appearance of an image.		SMIL is an XML syntax that is a W3C recommendation. "Using SMIL 2.0, an author can describe the temporal behavior of a multimedia presentation, associate hyperlinks with media objects and describe the layout of the presentation on a screen."
Temporary Record	A record approved by the appropriate authority for disposal, either immediately or after a specified retention period.		
Test Coverage	In Software Testing, the degree to which a given test or set of tests addresses all specified requirements for a given system or component.		
Test Design (i)	In Software Testing, documentation specifying the details of the test approach for a software feature or combination of software features and identifying the associated tests.		See IEEE Standard 829. See also "A Practitioner's Guide to Software Test Design", by Lee Copeland**
Test Documentation	In Software Testing, documentation describing plans for, or results of, the testing of a system or component. Types include test design specification, test case specification, test incident report, test log, test plan, test procedure, test report.		
Transfer (n)	As a noun, the body of records for which physical custody is so transferred.		

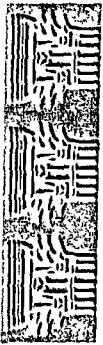


Term	Definition	Related Terms	Notes
Transfer (v)	As a verb, the processes supporting the moving of records from one location to another. Usually used to refer to transfer of records from the creator or custodian to NARA (including Federal records centers).		Note: For the purposes of this SyRS, as a verb, transfer refers to the actions surrounding the movement of records into ERA from the transferring entity. Transfers may consist of File Transfer Protocol (FTP), receiving and loading records from media, or other transfer methods approved by NARA.
Transfer Agreement	An agreement between NARA and a transferring entity which specifies how the documentary materials covered by a disposition item will be prepared and physically transferred to NARA.		
Transfer Group	A body of documentary materials whose physical transfer is authorized by the same request to transfer. Also referred to as "a transfer"		Note: This is primarily used to refer to transfer of materials from the creator or custodian to NARA (including Federal records centers) Currently this process is supported by the SF 135 for transfer to Federal records centers.
Transfer Request	A request or offer from a transferring entity to transfer physical custody of documentary materials to NARA, either for archival or records center storage.		
Transferring Entity	The individual, organization, Presidential administration, or Federal agency that transfers records to NARA for storage. The transferring entity is either the records creator, an agent of the record's creator, or a successor to the record's creator.		
Transformation	The process or the results of a process, of reformatting or otherwise changing the way an electronic record is digitally encoded in order to reduce or eliminate dependencies on specific hardware or software, while preserving authenticity.		
Uniform Resource Identifier (URI)	A compact string of characters for identifying an abstract or physical resource. The generic set of all names and addresses which are short strings which refer to objects (typically on the Internet). The most common kinds of URI are URLs and relative URLs.	See Also: Uniform Resource Locator	



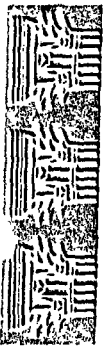
Term	Definition	Related Terms	Notes
Uniform Resource Locator (URL)	An Internet address (for example, http://www.nara.gov/era/), usually consisting of the access protocol (http), the domain name (www.nara.gov), and optionally the path to a file or resource residing on that server (era/).		Commonly also known as World Wide Web address
Unit Of Work	A generic reference for jobs, and it is a trackable set of records running against a workflow process(es), and tracked as a whole. It is a view from the perspective of a NARA manager tracking assignments, status and completion.		
Unscheduled Records	Federal records which are not covered by a disposition agreement.		Note: For the purposes of this SyRS, in the cases of transfer of unscheduled records, NARA may act in the role of transferring entity and create a disposition agreement for the transferred records.
Usable Record	A record which can be located, retrieved, presented and interpreted.	Useability	
User Account	A user account is the collection of information about a user that the system uses for determining privileges, access rights, contact information, user ID, user name, etc. Some of the information is owned by the user and may be changed by him/her. Other information is asserted by the user, but validated and permitted by NARA ERA administrators. This information cannot be directly changed by the user. The user can assert new information but administrators must verify and permit the assertions.		
User Category	A general term used to distinguish types of registered users; including unregistered users.		Note: this definition is based on the NARA EA TRM; which identifies public users, registered users and NARA employees as the three "general categories" of users. This list is incomplete, but illustrative.
User Class	A formal term used to differentiate the responsibilities of persons who interact with the ERA system. There are eight classes of users: Transferring Entity, Appraiser, Records Processor, Preserver, Access Reviewer, Consumer, Administrative User, and NARA Manager. Each of these classes typically consists of several user roles.		Note: These classes are defined in the NARA ERA ConOps. Each class has, in turn, a definition based on its interactions with ERA. It is expected that these classes will be broken down into subclasses (e.g., there will be multiple administrator subclasses).



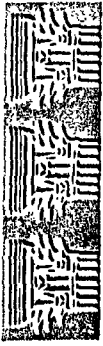


Term	Definition	Related Terms	Notes
User Group	A user group is a collection of users, other groups, and rules for group membership that is recognized by the access control security mechanisms. Groups are used as a convenient way to administer a large number of users. Users may be assigned to one or more groups.		
User Interface	An interface that enables information to be passed between a human user and hardware or software components of a computer system		
User Role	A user role corresponds to a set of objectives within the ERA environment. Each role has a distinct set of access rights and privileges to data and to function. A role might be "preserver" or "administrator." Roles are implemented using groups; so that every user in the group has the rights and privileged required to achieve their objectives.		
User Type	A general term used to differentiate between users. Its exact meaning is contextual.		
Verification and Validation (V&V)	The process of determining whether the requirements for a system or component are complete and correct, the products of each development phase fulfill the requirements or conditions imposed by the previous phase, and the final system or component complies with specified requirements.		
Validation (of a Record)	The process by which a message/record is confirmed to have originated from an authenticated network user, that is, one who has appropriately established his/her identity on the network.		
Validation (System)	1.) The process of evaluating a system or component during or at the end of the development process to determine whether it satisfies specified requirements. Contrast with verification. 2.) The process is used for determining whether the requirements and the final, as-built system or software product fulfills its specific intended use	Contrast with verification.	Refer to IEEE-Standard-610-12

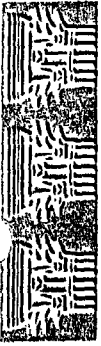




Term	Definition	Related Terms	Notes
Verification (System)	1.) The process of evaluating a system or component to determine whether the products of a given development phase satisfy the conditions imposed at the start of that phase. Contrast with validation. 2.) The verification process is used for determining whether the software products of an activity fulfill the requirements or conditions imposed on them in the previous activities	Contrast with validation.	Refer to IEEE-Standard-610-12
Version	A copy of a document [or object] that has some variation from the original in content, structure, or presentation		
Version (Software)	(1) An initial release or re-release of a computer software configuration item, associated with a complete compilation or recompilation of the computer software configuration item. (2) An initial release or complete re-release of a document, as opposed to a revision resulting from issuing change pages to a previous release. See also: configuration control; version description document.	See also: configuration control; version description document.	
Virus	The term 'virus' as used in the SyRS includes all malicious code which may infect itself into a system. This includes conventional viruses, worms, Trojan horses, adware, spyware, and similar types of malicious code.		
Well-Formed	An object is well-formed if it complies with the grammar defined for the object.	See "Grammar"	
Wildcard Character	Characters that can be used to represent one or many characters as a means of specifying more than one name or label during a search procedure.		
Withdraw Record	To deny public access to records on the basis of an informed decision rather than in response to a formal access request. These informed decisions may be based on knowledge or assumption that the content of the record is exempt from release based on the FOIA, subject to restrictions placed on Congressional records, sealed court documents, or subject to prohibitions under deeds of gift, or is subject to other restrictions.		
Withhold Record	To deny public access to records on the basis of a formal review and pursuant to the provisions of some controlling authority, such as the Freedom of Information Act.		



Term	Definition	Related Terms	Notes
Workbench	A set of end-user tools related to performance of a common role or job in the system. Each role/job has its own workbench that differs from another role/job workbench. The tools themselves are provided by a central authority and controlled under configuration management.		



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**ACRONYMS AND ABBREVIATIONS**

Term or Acronym	Definition or Acronym Expansion
A	Analysis
BER	Bit Error Rate
BPR	Business Process Re-engineering
CCB	Change Control Board
CDRL	Contract Data Requirements List
CM	Configuration Management
CMRS	Case Management Reporting System
CONOPS	Concept of Operations
COTS	Commercial Off-The-Shelf
CRUD	Create, Read, Update, Delete
D	Demonstration
DID	Data Item Description
DOORS	Dynamic Object-Oriented Requirements System
EA	Enterprise Architecture
EDAC	Error Detection and Correction
ERA	Electronic Records Archives
FAR	Federal Acquisitions Regulations
FOIA	Freedom of Information Act
FRC	Federal Records Center
FTP	File Transfer Protocol
GB	Gigabytes (1,024 Megabytes)
GFI	Government Furnished Equipment
GPEA	Government Paperwork Elimination Act
I	Inspection
I/O	Input/Output
ID	Identifier, Identification
IPT	Integrated Product Team
IRD	Interface Requirements Document
IRS	Interface Requirements Specification
LAN	Local Area Network
LCC	Lifecycle Cost
LM	Lockheed Martin
LMTSS	Lockheed Martin Transportation and Security Solutions
LS&C	Local Services and Controls
MILS	Multiple Independent Level Security
NARA	National Archives and Records Administration
NV	Not Verified
OFAS	Order Fulfillment and Accounting System
OMPF	Office of Military Personnel Files
PB	Petabyte (1,024 terabytes)



Term or Acronym	Definition or Acronym Expansion
PMO	Program Management Office
PRA	Presidential Records Act
PWS	Performance Work Statement
RCPOS	Records Center Program Operations System
RD	Requirements Document
RFP	Request for Proposal
RQM	Requirements Management Plan
SADD	System Architecture and Design Document
SBU	Sensitive But Unclassified
SDR	System Design Review
SEMP	System Engineering Management Plan
SME	Subject Matter Expert
SOA	Service Oriented Architecture
SOC	System Operation Center
SOW	Statement of Work
SQA	Software Quality Assurance
SRR	System Requirements Review
SyRS	System Requirements Specification
T	Test
TAR	Target Release Paper
TRM	Technical Reference Model
UCD	Use Case Document
UML	Unified Modeling Language
URI	Uniform Resource Identifier
URL	Uniform Resource Locator
URTS	Unclassified Redaction and Tracking System
VCRM	Verification Cross Reference Matrix
V&V	Verification and Validation
WAN	Wide Area Network
WWW	World Wide Web



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APPENDIX 10. PERFORMANCE TABLES

Table 10-1: ERA Availability Requirements

LM SyRS, ERA Service Number	ERA Service Description	Total Yearly Hours	Average Yearly Service Outage Time (hours)	Average Yearly Service Up Time (hours)	Required Service Availability	Referenced ERA Requirement
ERA32.1-a	Access System	8760	1	8759	0.9999	ERA14, ERA21
ERA32.1-b	Acknowledgment of System Request	8760	1	8759	0.9999	ERA14
ERA32.1-c	Search Assets	8760	6	8754	0.9993	ERA19
ERA32.1-d	Access Assets	8760	12	8748	0.9986	ERA20, ERA10, ERA13
ERA32.1-e	User Communications	8760	12	8748	0.9986	ERA24
ERA32.1-f	Ingest- Human Aided	8760	12	8748	0.9986	ERA16
ERA32.1-g	Media Distribution	8760	40	8720	0.9954	ERA20
ERA32.1-h	Ingest-Automated	8760	48	8712	0.9945	ERA15
ERA32.1-i	Redaction	8760	48	8712	0.9945	ERA18
ERA32.1-j	Description of Assets	8760	48	8712	0.9945	ERA3
ERA32.1-k	Access Review	8760	48	8712	0.9945	ERA17
ERA32.1-l	Coordinate Templates	8760	48	8712	0.9945	ERA7
ERA32.1-m	Coordinate Dispositions	8760	48	8712	0.9945	ERA1
ERA32.1-n	User Registration	8760	48	8712	0.9945	ERA22



Table 10-2: ERA Record Volume Requirements

Table 10-2 provides requirements parameters concerning transfer to ERA, accumulated archive volumes, and concurrent number of users for the ERA system over time. Year references are for calendar year periods

	2007	2008	2009	2010	2011	2012	2013†	2014†
Avg. Yearly Transfer Volume (PB)	3.58	1.90	2.29	2.87	3.49	4.83	6.89	9.98
- Electronic	2.68	1.50	1.87	2.40	2.98	4.18	6.03	8.80
- Physical Media	0.89	0.40	0.42	0.46	0.51	0.65	0.86	1.18
Avg. Yearly Distribution Volume (PB)	1.79	2.39	3.02	3.74	4.56	5.71	7.34	9.69
- Electronic	1.43	1.97	2.55	3.22	3.98	5.03	6.52	8.67
- Physical media	0.36	0.42	0.47	0.52	0.58	0.67	0.82	1.03
Accumulated Holdings Volume (PB)	3.58	5.48	7.77	10.64	14.12	18.95	25.85	35.82
Avg. Num. of Concurrent Users*	40	80	101	127	158	199	259	344

	2015†	2016†	2017†	2018†	2019†	2020†	2021†	2022†
Avg. Yearly Transfer Volume (PB)	14.18	19.77	26.23	34.63	44.28	54.95	57.73	59.15
- Electronic	12.58	17.60	23.44	31.01	39.73	49.37	51.92	53.23
- Physical Media	1.61	2.16	2.80	3.62	4.55	5.58	5.81	5.92
Avg. Yearly Distribution Volume (PB)	13.00	17.56	23.53	31.33	41.23	53.43	66.10	78.97
- Electronic	11.68	15.83	21.26	28.37	37.39	48.50	60.05	71.79
- Physical media	1.32	1.73	2.27	2.96	3.84	4.93	6.05	7.18
Accumulated Holdings Volume (PB)	50.01	69.78	96.01	130.64	174.91	229.87	287.60	346.75
Avg. Num. of Concurrent Users	463	627	843	1125	1482	1922	2380	2846

* Concurrent users are defined as the number of active sessions where archival system services are being exercised. These services include but are not limited to obtaining records, record queries, status checks, and logins and authorizations (See services as defined in Table 10-1). The average number of concurrent users is the sum of all user activity across all instances of ERA.

Assume concurrent user "time slice" of nominally five (5) seconds.

† Out year values included for future consideration only



Table 10-3: ERA System Performance Requirements

Table 10-3 lists requirements for peak system load capacity and system response requirements for specific operations in seconds. Peak loads are a function of the number of average concurrent users supported as defined in Table 10-2. Peak loads across all functional categories are cumulative (i.e., they are measured concurrently). Response Times are measured under nominal physical and electronic distribution loads.

Category	Peak Number of Requests to be Supported	Specific Operation	Response Time*
Log-on and authorization	1/3 of the total number of supported concurrent users	Account confirmation and authorization	5 sec
Search	8 times the total number of supported concurrent users	Single attribute search within descriptions	4 sec
	5 times the total number of supported concurrent users	Multiple attribute search within descriptions	7 sec
	2 times the total number of supported concurrent users	Advanced (e.g., concept based and proximity) search methods within descriptions	30 sec
Media Distribution	1/10 of the total number of supported concurrent users	Order submission and confirmation	15 sec
Status Check (account or request)	3 times the total number of supported concurrent users	Status of pending record order, subscriptions status, or account review	10 sec

* From initiation of query to start of display, exclusive of user environment and network delay (i.e. have started to transmit the information to the user). System is assumed to contain 1,500,000 records.



APPENDIX 20. SYRS TO ERA RD TRACEABILITY TABLE

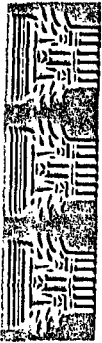
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA1	The system shall manage the disposition of records	ERA1	The system shall manage the disposition of records	ERA1	2	D	Software	ERA1
ERA1.1	The system shall provide the capability to manage disposition agreements	ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	2	D	Software	ERA2
ERA1.1.1	The system shall provide the capability for users to create disposition agreements	ERA1.1.1	The system shall provide the capability for users to create disposition agreements	ERA3	2	D	Software	ERA3
ERA1.1.1.1	The system shall provide the capability for users to create templates for disposition agreements	ERA1.1.1.1	The system shall provide the capability for users to create templates for disposition agreements	ERA4	1	D	Software	ERA4
ERA1.1.1.2	The system shall provide the capability for users to create disposition agreements based on templates	ERA1.1.1.2	The system shall provide the capability for users to create disposition agreements based on templates	ERA5	1	D	Software	ERA5
ERA1.1.1.3	The system shall provide the capability for users to create new disposition agreements based on existing disposition agreements	ERA1.1.1.3	The system shall provide the capability for users to create new disposition agreements based on existing disposition agreements	ERA6	1	D	Software	ERA6
ERA1.1.1.3.1	The system shall provide the capability for users to create new disposition agreements based on proposed disposition agreements	ERA1.1.1.3.1	The system shall provide the capability for users to create new disposition agreements based on existing disposition agreements	ERA6	1	D	Software	LM1355
ERA1.1.1.3.2	The system shall provide the capability for users to create new disposition agreements based on default disposition agreements	ERA1.1.1.3.2	The system shall provide the capability for users to create new disposition agreements based on existing disposition agreements	ERA6	1	D	Software	LM855
ERA1.1.1.3.3	The system shall provide the capability for users to create new disposition agreements based on approved disposition agreements	ERA1.1.1.3.3	The system shall provide the capability for users to create new disposition agreements based on existing disposition agreements	ERA6	1	D	Software	LM6
ERA1.1.1.4	The system shall create suggested dispositions based on a series of questions answered by the user	ERA1.1.1.4	The system shall create suggested dispositions based on a series of questions answered by the user	ERA7	2	D	Software	ERA7
ERA1.1.1.4.1	The system shall recommend a workflow for records based on their suggested disposition	ERA1.1.1.4.1	The system shall recommend a workflow for records based on their suggested disposition	ERA8	2	D	Software	ERA8
ERA1.1.1.4.2	The system shall indicate the level of confidence in the suggested disposition to the user	ERA1.1.1.4.2	The system shall indicate the level of confidence in the suggested disposition to the user	ERA9	2	D	Software	ERA9
ERA1.1.1.4.3	The system shall indicate to the user the level of confidence that the suggested workflow is appropriate	ERA1.1.1.4.3	The system shall create suggested dispositions based on a series of questions answered by the user	ERA7	2	D	Software	LM856
ERA1.1.1.4.3.1	The system shall provide the capability for a user to override the suggested disposition instruction	ERA1.1.1.4.3.1	The system shall provide the capability for users to create disposition agreements	ERA3	2	D	Software	LM1356

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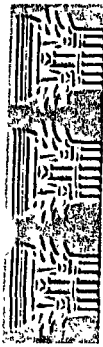
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA1.1.1.4.3.2	The system shall provide the capability for a user to select an alternate workflow for records within a disposition agreement	ERA1.1.1	The system shall provide the capability for users to create disposition agreements	ERA3	1	D	Software	LM1357
ERA1.1.1.4.4	The system shall create suggested dispositions based on user responses to system generated questions	ERA1.1.1.4	The system shall create suggested dispositions based on a series of questions answered by the user	ERA7	2	D	Software	LM7
ERA1.1.2	The system shall store disposition agreements	ERA1.1.2	The system shall store disposition agreements	ERA10	1	D	Software	ERA10
ERA1.1.2.1	The system shall assign a unique identifier to each disposition agreement	ERA1.1.2.1	The system shall assign a unique identifier to each disposition agreement	ERA11	1	D	Software	ERA11
ERA1.1.2.1.1	The system shall assign a constant unique identifier to each version of a disposition agreement	ERA1.1.2.1	The system shall assign a unique identifier to each disposition agreement	ERA11	1	D	Software	LM11
ERA1.1.3	The system shall provide the capability for users to assign a status to a disposition agreement	ERA1.1.3	The system shall provide the capability for users to assign a status to a disposition agreement	ERA12	1	D	Software	ERA12
ERA1.1.3.1	The system shall report on the status of a disposition agreement upon request	ERA1.1.3.1	The system shall report on the status of a disposition agreement upon request	ERA13	1	D	Software	ERA13
ERA1.1.3.2	The system shall provide the capability for users to define rules for transitioning between disposition agreement statuses	ERA1.1.3	The system shall provide the capability for users to assign a status to a disposition agreement	ERA12	1	D	Software	LM859
ERA1.1.3.3	The system shall track the status of disposition agreements	ERA1.1.3	The system shall provide the capability for users to assign a status to a disposition agreement	ERA12	1	T	Software	LM860
ERA1.1.3.4	The system shall provide the capability to notify users on changes to a disposition agreement's status	ERA1.1.3	The system shall provide the capability for users to assign a status to a disposition agreement	ERA12	1	D	Software	LM861
ERA1.1.3.5	The system shall implement user defined rules for transitioning between disposition statuses	ERA1.1.3	The system shall provide the capability for users to assign a status to a disposition agreement	ERA12	1	T	Software	LM862
ERA1.1.3.6	The system shall provide the capability for users to identify disposition agreements with a status of defunct	ERA1.1.4	The system shall provide the capability for users to modify disposition agreements	ERA14	1	D	Software	LM864
ERA1.1.3.6.1	The system shall provide the capability for users to hide defunct disposition agreements from view	ERA1.1.4	The system shall provide the capability for users to modify disposition agreements	ERA14	1	D	Software	LM865
ERA1.1.3.6.2	The system shall provide the capability for users to view defunct disposition agreements	ERA1.1.4	The system shall provide the capability for users to modify disposition agreements	ERA14	1	D	Software	LM866
ERA1.1.4	The system shall provide the capability for users to modify disposition agreements	ERA1.1.4	The system shall provide the capability for users to modify disposition agreements	ERA14	1	D	Software	ERA14
ERA1.1.4.1	The system shall provide the capability for users to delete disposition agreements	ERA1.1.4.1	The system shall provide the capability for users to delete disposition agreements	ERA15	1	T	Software	ERA15
ERA1.1.5	The system shall manage versioning of disposition agreements	ERA1.1.5	The system shall manage versioning of disposition agreements	ERA16	1	D	Software	ERA16
ERA1.1.5.1	The system shall maintain the version history of a disposition agreement	ERA1.1.5	The system shall manage versioning of disposition agreements	ERA16	1	D	Software	LM867

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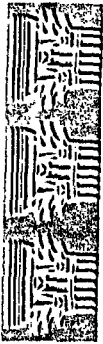
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA1.1.5.2	The system shall provide the capability for a user to create a new version of an approved disposition agreement to allow it to be modified	ERA1.1.5	The system shall manage versioning of disposition agreements	ERA16	1	D	Software	LM868
ERA1.1.5.3	The system shall provide the capability for a user to view versions of a disposition agreement	ERA1.1.5	The system shall manage versioning of disposition agreements	ERA16	1	D	Software	LM869
ERA1.1.5.4	The system shall provide the capability to modify versions of a disposition agreement	ERA1.1.5	The system shall manage versioning of disposition agreements	ERA16	1	D	Software	LM870
ERA1.1.5.5	The system shall provide the capability to delete versions of a disposition agreement	ERA1.1.5	The system shall manage versioning of disposition agreements	ERA16	1	D	Software	LM871
ERA1.1.6	The system shall provide the capability to import disposition agreements	ERA1.1.6	The system shall provide the capability to import disposition agreements	ERA17	1	T	Software	ERA17
ERA1.1.6.1	The system shall provide the capability to import approved disposition agreements	ERA1.1.6.1	The system shall provide the capability to import approved disposition agreements	ERA18	1	T	Software	ERA18
ERA1.1.6.1.1	The system shall provide the capability to import disposition agreements, with a status of "approved", according to the Interface Requirements Specification	ERA1.1.6.1	The system shall provide the capability to import approved disposition agreements	ERA18	1	T	Software	LM18
ERA1.1.6.2	The system shall provide the capability to import proposed disposition agreements	ERA1.1.6.2	The system shall provide the capability to import proposed disposition agreements	ERA19	1	T	Software	ERA19
ERA1.1.6.2.1	The system shall provide the capability to import disposition agreements, with a status of "proposed", according to the Interface Requirements Specification	ERA1.1.6.2	The system shall provide the capability to import proposed disposition agreements	ERA19	1	T	Software	LM19
ERA1.1.6.3	The system shall provide the capability to import disposition agreements according to the Interface Requirements Specification	ERA1.1.6	The system shall provide the capability to import disposition agreements	ERA17	1	T	Software	LM17
ERA1.1.7	The system shall provide the capability for users to approve disposition agreements	ERA1.1.7	The system shall provide the capability for users to approve disposition agreements	ERA20	1	D	Software	ERA20
ERA1.1.7.1	The system shall provide the capability for users to submit disposition agreements for approval	ERA1.1.7.1	The system shall provide the capability for users to submit disposition agreements for approval	ERA21	1	D	Software	ERA21
ERA1.1.7.2	The system shall provide the capability for users to assign a status of "approved" to disposition agreements	ERA1.1.7	The system shall provide the capability for users to approve disposition agreements	ERA20	1	D	Software	LM872
ERA1.1.7.3	The system shall provide the capability for users to assign a status other than "approved" to disposition agreements	ERA1.1.7	The system shall provide the capability for users to approve disposition agreements	ERA20	1	D	Software	LM3140
ERA1.1.8	The system shall provide the capability for disposition agreements to contain disposition instructions	ERA1.1.8	The system shall provide the capability for disposition agreements to contain disposition instructions	ERA22	1	D	Software	ERA22

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA1.1.8.1	The system shall provide the capability for disposition agreements to contain disposition instructions that can be implemented by the system	ERA1.1.8.1	The system shall provide the capability for disposition agreements to contain disposition instructions that can be implemented by the system	ERA23	1	D	Software	ERA23
ERA1.1.8.1.1	The system shall provide the capability to execute disposition instructions based on a defined syntax	ERA1.1.8.1	The system shall provide the capability for disposition agreements to contain disposition instructions that can be implemented by the system	ERA23	1	D	Software	LM23
ERA1.1.8.2	The system shall check the disposition instructions contained in disposition agreements to ensure that they can be implemented by the system	ERA1.1.8.2	The system shall check the disposition instructions contained in disposition agreements to ensure that they can be implemented by the system	ERA24	1	T	Software	ERA24
ERA1.1.8.2.1	The system shall verify the disposition instructions contained in disposition agreements to determine if they conform to the defined syntax for disposition instructions	ERA1.1.8.2	The system shall check the disposition instructions contained in disposition agreements to ensure that they can be implemented by the system	ERA24	1	T	Software	LM24
ERA1.1.8.3	The system shall provide the capability for users to specify disposition instructions for each disposition agreement item	ERA1.1.8	The system shall provide the capability for disposition agreements to contain disposition instructions	ERA22	1	T	Software	LM876
ERA1.1.8.4	The system shall provide the capability for a user to update disposition instructions within a disposition agreement	ERA1.1.8	The system shall provide the capability for disposition agreements to contain disposition instructions	ERA22	1	D	Software	LM3297
ERA1.1.8.5	The system shall provide the capability for a user to delete disposition instructions within a disposition agreement	ERA1.1.8	The system shall provide the capability for disposition agreements to contain disposition instructions	ERA22	1	D	Software	LM3298
ERA1.1.9	The system shall provide the capability for users to define relationships between disposition agreements	ERA1.1.9	The system shall provide the capability for users to define relationships between disposition agreements	ERA25	1	D	Software	ERA25
ERA1.1.10	The system shall provide the capability for users to include records lifecycle data about records in disposition agreements	ERA1.1.10	The system shall provide the capability for users to include records lifecycle data about records in disposition agreements	ERA26	1	D	Software	ERA26
ERA1.1.11	The system shall check disposition agreements against NARA standards	ERA1.1.11	The system shall check disposition agreements against NARA standards	ERA27	1	D	Software	ERA27
ERA1.1.11.1	The system shall check disposition agreements for conformance to the appropriate template	ERA1.1.11.1	The system shall check disposition agreements for conformance to the appropriate template	ERA28	1	T	Software	ERA28
ERA1.1.11.1.1	The system shall validate disposition agreements for conformance to the associated templates	ERA1.1.11.1	The system shall check disposition agreements for conformance to the appropriate template	ERA28	1	T	Software	LM28
ERA1.1.11.2	The system shall provide the results of checking the disposition agreement to the user	ERA1.1.11.2	The system shall provide the results of checking the disposition agreement to the user	ERA29	1	D	Software	ERA29
ERA1.1.12	The system shall search existing disposition agreements to identify those related to a proposed disposition agreement	ERA1.1.12	The system shall search existing disposition agreements to identify those related to a proposed disposition agreement	ERA30	1	T	Software	ERA30

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA1.1.12.1	The system shall compare disposition agreements to identify those which cover similar records	ERA1.1.12.1	The system shall compare disposition agreements to identify those which cover similar records	ERA31	1	T	Software	ERA31
ERA1.1.12.1.1	The system shall compare disposition agreements to identify those which cover similar records based on weighted criteria	ERA1.1.12.1.1	The system shall compare disposition agreements to identify those which cover similar records	ERA31	1	T	Software	LM31
ERA1.1.12.2	The system shall compare items in proposed disposition agreements with items in existing disposition agreements to identify duplications	ERA1.1.12.2	The system shall compare items in proposed disposition agreements with items in existing disposition agreements to identify duplications	ERA32	1	T	Software	ERA32
ERA1.1.12.2.1	The system shall compare items in proposed disposition agreements with items in approved disposition agreements to identify potential duplications based on weighted criteria	ERA1.1.12.2	The system shall compare items in proposed disposition agreements with items in existing disposition agreements to identify duplications	ERA32	1	T	Software	LM32
ERA1.1.12.3	The system shall display disposition agreements that cover similar records on user request	ERA1.1.12	The system shall search existing disposition agreements to identify those related to a proposed disposition agreement	ERA30	1	D	Software	LM887
ERA1.1.12.4	The system shall display disposition agreements that contain potentially duplicated items on user request	ERA1.1.12	The system shall search existing disposition agreements to identify those related to a proposed disposition agreement	ERA30	1	D	Software	LM888
ERA1.1.13	The system shall pre-fill agency information from an agency's ERA registration into the disposition agreement when available	ERA1.1.13	The system shall pre-fill agency information from an agency's ERA registration into the disposition agreement when available	ERA33	1	D	Software	ERA33
ERA1.1.13.1	The system shall pre-fill available agency information from an agency's ERA registration into the proposed disposition agreement upon creation of the disposition agreement	ERA1.1.13	The system shall pre-fill agency information from an agency's ERA registration into the disposition agreement when available	ERA33	1	D	Software	LM33
ERA1.1.13.2	The system shall provide the capability for users to update agency information in a disposition agreement by importing updated agency registration information	ERA1.1.13	The system shall pre-fill agency information from an agency's ERA registration into the disposition agreement when available	ERA33	1	D	Software	LMNEW 2
ERA1.1.14	The system shall contain default disposition agreements	ERA1.1.14	The system shall contain default disposition agreements	ERA34	1	D	Software	ERA34
ERA1.1.14.1	The system shall pre-fill proposed disposition agreements with default values	ERA1.1.14	The system shall contain default disposition agreements	ERA34	1	D	Software	LM889
ERA1.1.14.2	The system shall provide the capability for users to identify disposition agreements as default disposition agreements	ERA1.1.14	The system shall contain default disposition agreements	ERA34	1	D	Software	LM34
ERA1.1.15	The system shall capture lifecycle data from disposition agreements	ERA1.1.15	The system shall capture lifecycle data from disposition agreements	ERA35	1	D	Software	ERA35
ERA1.1.16	The system shall provide the capability for users to access disposition agreements in all stages of the approval process	ERA1.1.16	The system shall provide the capability for users to access disposition agreements in all stages of the approval process	ERA36	1	D	Software	ERA36

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A20-5

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA1.1.17	The system shall report on whether records are covered by more than one disposition agreement	ERA1.1.17	The system shall report on whether records are covered by more than one disposition agreement	ERA37	1	D	Software	ERA37
ERA1.1.17.1	The system shall provide the capability to provide a report listing records which are covered by multiple disposition agreements	ERA1.1.17	The system shall report on whether records are covered by more than one disposition agreement	ERA37	1	D	Software	LM37
ERA1.1.18	The system shall provide the capability for ERA users to collaborate on disposition agreements	ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	2	D	Software	LM890
ERA1.1.19	The system shall identify modifications of a disposition agreement from another related disposition agreement	ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	1	D	Software	LM893
ERA1.1.20	The system shall identify additions to a disposition agreement from another related disposition agreement	ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	1	D	Software	LM894
ERA1.1.21	The system shall provide the capability to divide a disposition agreement into multiple disposition agreements	ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	1	D	Software	LM895
ERA1.1.22	The system shall provide the capability to merge multiple disposition agreements into one disposition agreement	ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	1	D	Software	LM896
ERA1.1.23	The system shall provide the capability for a user to assign a priority to a disposition agreement	ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	1	D	Software	LM897
ERA1.1.24	The system shall provide the capability for users to associate supporting electronic documents to a disposition agreement	ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	1	D	Software	LM898
ERA1.1.25	The system shall provide the capability for users to copy disposition agreement items from one disposition agreement into another disposition agreement	ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	1	D	Software	LM899
ERA1.1.26	The system shall provide the capability for users to create a disposition agreement package	ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	1	D	Software	LM900
ERA1.1.26.1	The system shall provide the capability for users to associate assets to a disposition agreement package	ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	1	D	Software	LM901
ERA1.1.26.2	The system shall provide the capability for users to delete assets from a disposition agreement package	ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	1	D	Software	LM902
ERA1.1.27	The system shall provide the capability for a user to include sample records with disposition agreements	ERA1.1.10	The system shall provide the capability for users to include records lifecycle data about records in disposition agreements	ERA26	1	D	Software	LM886
ERA1.2	The system shall manage requests to transfer records	ERA1.2	The system shall manage requests to transfer records	ERA38	1	D	Software	ERA38

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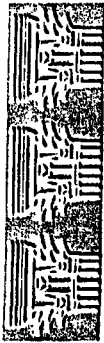
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA1.2.1	The system shall confirm that the transfer is authorized	ERA1.2.1	The system shall confirm that the transfer is authorized	ERA39	1	D	Software	ERA39
ERA1.2.1.1	The system shall store information about the authorization to transfer	ERA1.2.1.1	The system shall store information about the authorization to transfer	ERA40	1	D	Software	ERA40
ERA1.2.1.1.1	The system shall include a link to the transfer authorization information in the record lifecycle data for each transferred record	ERA1.2.1.1.1	The system shall store information about the authorization to transfer	ERA40	1	D	Software	LM903
ERA1.2.1.2	The system shall confirm that the transfer is covered under an existing disposition agreement	ERA1.2.1.2	The system shall confirm that the transfer is covered under an existing disposition agreement	ERA41	1	D	Software	ERA41
ERA1.2.1.2.1	The system shall confirm that the transfer request and transferred records are covered under an existing disposition agreement	ERA1.2.1.2.1	The system shall confirm that the transfer is covered under an existing disposition agreement	ERA41	1	D	Software	LM41
ERA1.2.1.3	The system shall confirm that the user initiating the transfer is authorized to do so	ERA1.2.1.3	The system shall confirm that the user initiating the transfer is authorized to do so	ERA42	1	D	Software	ERA42
ERA1.2.2	The system shall store information about the volume of the transfer	ERA1.2.2	The system shall store information about the volume of the transfer	ERA43	1	D	Software	ERA43
ERA1.2.2.1	The system shall store information about the size of the transfer	ERA1.2.2.1	The system shall store information about the volume of the transfer	ERA43	1	D	Software	LM43
ERA1.2.3	The system shall store information about the duration of the transfer	ERA1.2.3	The system shall store information about the duration of the transfer	ERA44	1	D	Software	ERA44
ERA1.2.4	The system shall provide the capability to associate transfers with registered templates	ERA1.2.4	The system shall provide the capability to associate transfers with registered templates	ERA45	1	D	Software	ERA45
ERA1.2.4.1	The system shall provide the capability to associate transfers with approved templates	ERA1.2.4.1	The system shall provide the capability to associate transfers with registered templates	ERA45	1	D	Software	LM45
ERA1.2.5	The system shall provide the capability to disallow the transfer of records	ERA1.2.5	The system shall provide the capability to disallow the transfer of records	ERA46	1	D	Software	ERA46
ERA1.2.5.1	The system shall provide the capability for users to disallow a transfer of records	ERA1.2.5.1	The system shall provide the capability to disallow the transfer of records	ERA46	1	D	Software	LM46
ERA1.2.6	The system shall manage requests by transferring entities to transfer records from transferring entities to ERA	ERA1.2.6	The system shall manage requests by transferring entities to transfer records from transferring entities to ERA	ERA47	1	D	Software	ERA47
ERA1.2.6.1	The system shall receive requests by transferring entities to transfer records from transferring entities to ERA according to the Interface Requirements Specification	ERA1.2.6.1	The system shall manage requests by transferring entities to transfer records from transferring entities to ERA	ERA47	1	D	Software	LM47
ERA1.2.7	The system shall manage requests by NARA to transfer records from transferring entities to ERA	ERA1.2.7	The system shall manage requests by NARA to transfer records from transferring entities to ERA	ERA48	1	D	Software	ERA48
ERA1.2.7.1	The system shall provide the capability for a user to request the transfer of records from transferring entities to ERA	ERA1.2.7.1	The system shall manage requests by NARA to transfer records from transferring entities to ERA	ERA48	1	D	Software	LM48

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA1.2.8	The system shall maintain a status of a transfer request	ERA1.2	The system shall manage requests to transfer records	ERA38	1	D	Software	LM906
ERA1.2.9	The system shall provide the capability to track the status of a transfer request	ERA1.2	The system shall manage requests to transfer records	ERA38	1	D	Software	LM907
ERA1.2.10	The system shall provide the capability for the system to disallow a transfer	ERA1.2	The system shall manage requests to transfer records	ERA38	1	D	Software	LM3338
ERA1.3	The system shall provide the capability to transfer legal custody of records to NARA	ERA1.3	The system shall provide the capability to transfer legal custody of records to NARA	ERA49	1	D	Software	ERA49
ERA1.3.1	The system shall provide the capability to obtain formal acceptance of records into NARA legal custody	ERA1.3.1	The system shall provide the capability to obtain formal acceptance of records into NARA legal custody	ERA50	1	D	Software	ERA50
ERA1.3.1.1	The system shall provide the capability to disapprove the acceptance of records into NARA legal custody	ERA1.3.1.1	The system shall provide the capability to disapprove the acceptance of records into NARA legal custody	ERA51	1	D	Software	ERA51
ERA1.3.1.2	The system shall obtain appropriate authorizations from NARA to accept records into NARA legal custody	ERA1.3.1.2	The system shall obtain appropriate authorizations from NARA to accept records into NARA legal custody	ERA52	1	D	Software	ERA52
ERA1.3.1.2.1	The system shall capture authorizations from NARA to accept records into NARA legal custody	ERA1.3.1.2	The system shall obtain appropriate authorizations from NARA to accept records into NARA legal custody	ERA52	1	D	Software	LM52
ERA1.3.1.3	The system shall obtain appropriate authorizations from transferring entities to accept records into NARA legal custody	ERA1.3.1.3	The system shall obtain appropriate authorizations from transferring entities to accept records into NARA legal custody	ERA53	1	D	Software	ERA53
ERA1.3.1.3.1	The system shall capture authorizations from transferring entities to accept records into NARA legal custody	ERA1.3.1.3	The system shall obtain appropriate authorizations from transferring entities to accept records into NARA legal custody	ERA53	1	D	Software	LM53
ERA1.3.2	The system shall require appropriate authorization prior to the destruction of electronic records that were appraised as permanent	ERA1.3.2	The system shall require appropriate authorization prior to the destruction of electronic records that were appraised as permanent	ERA54	1	D	Software	ERA54
ERA1.3.2.1	The system shall provide the capability to require authorization prior to the destruction of electronic records that were appraised as temporary	ERA1.3.2	The system shall require appropriate authorization prior to the destruction of electronic records that were appraised as permanent	ERA54	1	D	Software	LM3299
ERA1.4	The system shall provide the capability to export any electronic record from ERA to other entities	ERA1.4	The system shall provide the capability to export any electronic record from ERA to other entities	ERA55	2	T	Software	ERA55
ERA1.4.1	The system shall provide the capability to export individual electronic records from ERA to other entities	ERA1.4.1	The system shall provide the capability to export individual electronic records from ERA to other entities	ERA56	2	T	Software	ERA56

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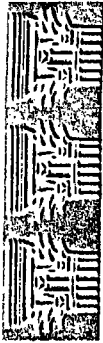


LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA1.4.1.1	The system shall provide the capability to export individual electronic records from ERA to other entities, in accordance with the Interface Requirements Specification	ERA1.4.1	The system shall provide the capability to export individual electronic records from ERA to other entities	ERA56	2	T	Software	LM56
ERA1.4.2	The system shall provide the capability to export sets of electronic records from ERA to other entities	ERA1.4.2	The system shall provide the capability to export sets of electronic records from ERA to other entities	ERA57	2	T	Software	ERA57
ERA1.4.2.1	The system shall provide the capability to export sets of electronic records from ERA to other entities, in accordance with the Interface Requirements Specification	ERA1.4.2	The system shall provide the capability to export sets of electronic records from ERA to other entities	ERA57	2	T	Software	LM57
ERA1.4.3	The system shall remove the exported electronic records from ERA	ERA1.4.3	The system shall remove the exported electronic records from ERA	ERA58	2	T	Software	ERA58
ERA1.4.3.1	The system shall delete the exported electronic records from ERA upon confirming success of the export to the other entity	ERA1.4.3	The system shall remove the exported electronic records from ERA	ERA58	2	T	Software	LM58
ERA1.4.4	The system shall provide the capability to export all versions of any electronic record stored in ERA	ERA1.4.4	The system shall provide the capability to export all versions of any electronic record stored in ERA	ERA59	2	T	Software	ERA59
ERA1.4.4.1	The system shall provide the capability to export all versions of an electronic record stored in ERA, in accordance with the Interface Requirements Specification	ERA1.4.4	The system shall provide the capability to export all versions of any electronic record stored in ERA	ERA59	2	T	Software	LM59
ERA1.4.5	The system shall preserve the structure of all digital components when electronic records are exported	ERA1.4.5	The system shall preserve the structure of all digital components when electronic records are exported	ERA60	2	T	Software	ERA60
ERA1.4.5.1	The system shall preserve the structure of an electronic record's digital components when that record is exported	ERA1.4.5	The system shall preserve the structure of all digital components when electronic records are exported	ERA60	2	T	Software	LM60
ERA1.4.6	The system shall preserve the content of all digital components when electronic records are exported	ERA1.4.6	The system shall preserve the content of all digital components when electronic records are exported	ERA61	2	T	Software	ERA61
ERA1.4.6.1	The system shall preserve the content of an electronic record's digital components when that record is exported	ERA1.4.6	The system shall preserve the content of all digital components when electronic records are exported	ERA61	2	T	Software	LM61
ERA1.4.7	The system shall provide the capability to export electronic records with the records' lifecycle data	ERA1.4.7	The system shall provide the capability to export electronic records with the records' lifecycle data	ERA62	2	T	Software	ERA62
ERA1.4.7.1	The system shall provide the capability to export electronic records without the records' lifecycle data	ERA1.4.7.1	The system shall provide the capability to export electronic records without the records' lifecycle data	ERA63	2	T	Software	ERA63



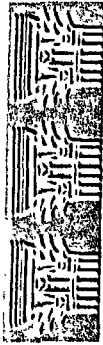
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA1 4.7.1.1	The system shall provide the capability to export electronic records without the records' lifecycle data, in accordance with the Interface Requirements Specification	ERA1.4.7.1	The system shall provide the capability to export electronic records without the records' lifecycle data	ERA63	2	T	Software	LM63
ERA1 4.7.2	The system shall provide the capability to export electronic records with the records' lifecycle data, in accordance with the Interface Requirements Specification	ERA1 4.7	The system shall provide the capability to export electronic records with the records' lifecycle data	ERA62	2	T	Software	LM62
ERA1 4.8	The system shall provide the capability to export electronic records with the records' associated descriptions	ERA1.4 8	The system shall provide the capability to export electronic records with the records' associated descriptions	ERA64	2	T	Software	ERA64
ERA1.4 8.1	The system shall provide the capability to export electronic records without the records' associated descriptions	ERA1 4.8.1	The system shall provide the capability to export electronic records without the records' associated descriptions	ERA65	2	T	Software	ERA65
ERA1 4.8 1.1	The system shall provide the capability to export electronic records without the records' associated descriptions, in accordance with the Interface Requirements Specification	ERA1.4 8.1	The system shall provide the capability to export electronic records without the records' associated descriptions	ERA65	2	T	Software	LM65
ERA1 4.8 2	The system shall provide the capability to export electronic records with the records' associated descriptions, in accordance with the Interface Requirements Specification	ERA1.4 8	The system shall provide the capability to export electronic records with the records' associated descriptions	ERA64	2	T	Software	LM64
ERA1.5	The system shall provide the capability to destroy any electronic record	ERA1.5	The system shall provide the capability to destroy any electronic record	ERA66	1	T	Software	ERA66
ERA1.5 1	The system shall provide the capability to queue electronic records for destruction based on disposition instructions	ERA1 5.1	The system shall provide the capability to queue electronic records for destruction based on disposition instructions	ERA67	1	T	Software	ERA67
ERA1 5.1.1	The system shall provide the capability to select a date on which to destroy electronic records based on disposition instructions	ERA1.5.1	The system shall provide the capability to queue electronic records for destruction based on disposition instructions	ERA67	2	T	Software	LM67
ERA1.5 2	The system shall provide the capability for a user to select electronic records for destruction	ERA1.5.2	The system shall provide the capability for a user to select electronic records for destruction	ERA68	1	T	Software	ERA68
ERA1 5.2 1	The system shall provide the capability for a user to select a date on which to destroy electronic records	ERA1.5.2	The system shall provide the capability for a user to select electronic records for destruction	ERA68	2	T	Software	LM68
ERA1 5 3	The system shall confirm that all required authorizations have been received prior to destroying electronic records	ERA1.5 3	The system shall confirm that all required authorizations have been received prior to destroying electronic records	ERA69	1	T	Software	ERA69
ERA1 5.4	The system shall provide the capability to destroy the electronic records lifecycle data associated with a destroyed electronic record	ERA1 5.4	The system shall provide the capability to destroy the electronic records lifecycle data associated with a destroyed electronic record	ERA70	1	T	Software	ERA70

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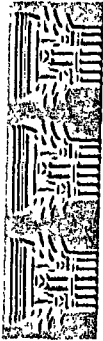


LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA1.5.4.1	The system shall provide the capability to destroy electronic records lifecycle data at a different time as the destruction of the electronic record itself	ERA1.5.4.1	The system shall provide the capability to destroy electronic records lifecycle data at a different time as the destruction of the electronic record itself	ERA71	1	T	Software	ERA71
ERA1 5 4.2	The system shall provide the capability to destroy electronic records lifecycle data	ERA1.5.4	The system shall provide the capability to destroy electronic records lifecycle data associated with a destroyed electronic record	ERA70	1	T	Software	LM909
ERA1 5 4 3	The system shall provide the capability to destroy the electronic records while retaining the records' associated lifecycle data	ERA1.5.4.1	The system shall provide the capability to destroy electronic records lifecycle data at a different time as the destruction of the electronic record itself	ERA71	1	T	Software	LM71
ERA1 5.5	The system shall destroy electronic records in accordance with Federal guidance	ERA1.5.5	The system shall destroy electronic records in accordance with Federal guidance	ERA72	1	T	Software	ERA72
ERA1 5 6	The system shall provide the capability to destroy all electronic copies of an electronic record	ERA1.5.6	The system shall provide the capability to destroy all electronic copies of an electronic record	ERA73	1	T	Software	ERA73
ERA1.5.7	The system shall provide the capability to destroy all electronic versions of an electronic record	ERA1.5.7	The system shall provide the capability to destroy all electronic versions of an electronic record	ERA74	1	T	Software	ERA74
ERA1.5.8	The system shall certify the destruction of electronic records	ERA1 5.8	The system shall certify the destruction of electronic records	ERA75	1	I	Software	ERA75
ERA1 5.8.1	The system shall provide documentation to certify the destruction of electronic records	ERA1.5.8.1	The system shall provide documentation to certify the destruction of electronic records	ERA76	1	I	Operations	ERA76
ERA1 5 8 1 1	The system shall provide documentation to certify the destruction of electronic records in accordance with agency standards as defined by NARA	ERA1.5.8.1	The system shall provide documentation to certify the destruction of electronic records	ERA76	1	I	Operations	LM76
ERA1 5.9	The system shall destroy electronic records such that the electronic records cannot be recovered	ERA1.5.9	The system shall destroy electronic records such that the electronic records cannot be recovered	ERA77	1	A	Software, Operations	ERA77
ERA1.5.9.1	The system shall provide the capability to destroy electronic records such that the electronic records cannot be recovered according to the standards defined by the transferring entity	ERA1.5.9	The system shall destroy electronic records such that the electronic records cannot be recovered	ERA77	2	A	Software, Operations	LM77
ERA1.5 10	The system shall provide the capability to destroy electronic records in accordance with DOD5220 22-M	ERA1.5.10	The system shall provide the capability to destroy electronic records in accordance with DOD5220.22-M	ERA78	2	T	Software	ERA78
ERA1 5 11	The system shall provide the capability to destroy electronic records in accordance with agency standards as defined by NARA	ERA1.5.11	The system shall provide the capability to destroy electronic records in accordance with agency standards as defined by NARA	ERA79	1	A	Software, Operations	ERA79

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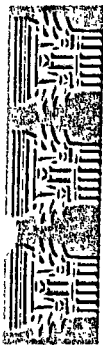
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA1.5.12	The system shall provide a configurable retention period for records that have been selected for destruction, wherein the destruction of the records could be averted within the specified timeframe	ERA1.5.12	The system shall provide a configurable retention period for records that have been selected for destruction, wherein the destruction of the records could be averted within the specified timeframe	ERA80	1	D	Software	ERA80
ERA1.5.12.1	The system shall provide a configurable retention period for records that have been selected for destruction, wherein a user could cancel the destruction of the records within the specified timeframe	ERA1.5.12	The system shall provide a configurable retention period for records that have been selected for destruction, wherein the destruction of the records could be averted within the specified timeframe	ERA80	1	D	Software	LM80
ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	2	D	Software	ERA81
ERA1.6.1	The system shall provide the capability for users to suspend automatic implementation of any disposition instruction	ERA1.6.1	The system shall provide the capability for users to suspend automatic implementation of any disposition instruction	ERA82	2	D	Software	ERA82
ERA1.6.2	The system shall provide the capability for users to resume automatic implementation of any suspended disposition instruction	ERA1.6.2	The system shall provide the capability for users to resume automatic implementation of any suspended disposition instruction	ERA83	2	D	Software	ERA83
ERA1.6.3	The system shall provide the capability to implement changed disposition instructions	ERA1.6.3	The system shall provide the capability to implement changed disposition instructions	ERA84	2	D	Software	ERA84
ERA1.6.3.1	The system shall recognize when a disposition instruction contained in a disposition agreement has been changed	ERA1.6.3.1	The system shall recognize when a disposition instruction contained in a disposition agreement has been changed	ERA85	2	D	Software	ERA85
ERA1.6.3.2	The system shall identify all records affected by a changed disposition instruction	ERA1.6.3.2	The system shall identify all records affected by a changed disposition instruction	ERA86	2	D	Software	ERA86
ERA1.6.3.3	The system shall implement a changed disposition instruction against all records affected by the disposition instruction change	ERA1.6.3.3	The system shall implement a changed disposition instruction against all records affected by the disposition instruction change	ERA87	2	D	Software	ERA87
ERA1.6.4	The system shall provide the capability for a disposition instruction to be executed on a specified date	ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	2	T	Software	LM878
ERA1.6.4.1	The system shall provide the capability for a user to assign a specific date to an event in a disposition instruction	ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	2	D	Software	LM880
ERA1.6.4.2	The system shall use specified event dates to determine when to execute disposition instructions	ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	2	T	Software	LM881
ERA1.6.5	The system shall provide the capability for a disposition instruction to be executed on a specified event	ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	2	T	Software	LM879



LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA1.6.6	The system shall provide the capability for a user to view disposition instructions within a disposition agreement	ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	1	D	Software	LM884
ERA1.6.7	The system shall notify users when disposition instructions contained in disposition agreements cannot be implemented by the system	ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	1	D	Software	LM885
ERA1.7	The system shall provide the capability to project scheduled transfers in accordance with disposition agreements	ERA1.7	The system shall provide the capability to project scheduled transfers in accordance with disposition agreements	ERA88	1	D	Software	ERA88
ERA1.7.1	The system shall provide the capability to identify scheduled transfers in accordance with disposition agreements	ERA1.7	The system shall provide the capability to project scheduled transfers in accordance with disposition agreements	ERA88	1	D	Software	LM88
ERA1.8	The system shall provide tools to package records in preparation for transfer to ERA	ERA1.8	The system shall provide tools to package records in preparation for transfer to ERA	ERA89	1	D	Software	ERA89
ERA1.8.1	The system shall provide tools for packaging associating transfer agreements, disposition agreements, and templates with records into a self-describing format for transfer to ERA	ERA1.8	The system shall provide tools to package records in preparation for transfer to ERA	ERA89	1	D	Software	LM89
ERA1.9	The system shall provide tools for the transfer of records to ERA	ERA1.9	The system shall provide tools for the transfer of records to ERA	ERA90	1	D	Software	ERA90
ERA1.10	The system shall provide the capability to exchange records with records management applications that comply with DOD-STD 5015.2	ERA1.10	The system shall provide the capability to exchange records with records management applications that comply with DOD-STD 5015.2	ERA91	2	D	Software	ERA91
ERA1.10.1	The system shall provide the capability to receive records from records management applications that comply with DOD-STD 5015.2 according to the Interface Requirements Specification	ERA1.10	The system shall provide the capability to exchange records with records management applications that comply with DOD-STD 5015.2	ERA91	1	D	Software	LM91
ERA1.10.2	The system shall provide the capability to send records to records management applications that comply with DOD-STD 5015.2 according to the Interface Requirements Specification	ERA1.10	The system shall provide the capability to exchange records with records management applications that comply with DOD-STD 5015.2	ERA91	2	D	Software	LM910
ERA1.11	The system shall provide capabilities for appraisal	ERA1.11	The system shall provide capabilities for appraisal	ERA92	2	D	Software	ERA92
ERA1.11.1	The system shall provide the capability for users to create appraisal reports	ERA1.11.1	The system shall provide the capability for users to create appraisal reports	ERA93	2	D	Software	ERA93
ERA1.11.1.1	The system shall create a new version of an approved appraisal report to allow it to be modified	ERA1.11.1	The system shall provide the capability for users to create appraisal reports	ERA93	2	D	Software	LM93
ERA1.11.2	The system shall provide the capability for users to access appraisal reports	ERA1.11.2	The system shall provide the capability for users to access appraisal reports	ERA94	2	D	Software	ERA94
ERA1.11.2.1	The system shall provide the capability to output a version of an appraisal report	ERA1.11.2	The system shall provide the capability for users to access appraisal reports	ERA94	2	D	Software	LM3300

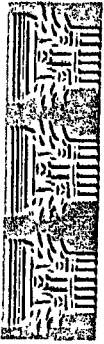
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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace- ID	Incr.	VM	Allocation	LM ID
ERA1.11.2.2	The system shall provide the capability to present a version of an appraisal report	ERA1.11.2	The system shall provide the capability for users to access appraisal reports	ERA94	2	D	Software	LM94
ERA1.11.3	The system shall provide the capability for users to modify appraisal reports	ERA1.11.3	The system shall provide the capability for users to modify appraisal reports	ERA95	2	D	Software	ERA95
ERA1.11.3.1	The system shall provide the capability for a user to modify versions of an appraisal report	ERA1.11.3	The system shall provide the capability for users to modify appraisal reports	ERA95	2	D	Software	LM95
ERA1.11.4	The system shall provide the capability for users to delete appraisal reports	ERA1.11.4	The system shall provide the capability for users to delete appraisal reports	ERA96	2	D	Software	ERA96
ERA1.11.4.1	The system shall provide the capability for a user to delete a version of an appraisal report	ERA1.11.4	The system shall provide the capability for users to delete appraisal reports	ERA96	2	D	Software	LM96
ERA1.11.5	The system shall provide the capability to associate appraisal reports with disposition agreements	ERA1.11.5	The system shall provide the capability to associate appraisal reports with disposition agreements	ERA97	2	D	Software	ERA97
ERA1.11.5.1	The system shall provide the capability to associate appraisal reports with items in disposition agreements	ERA1.11.5.1	The system shall provide the capability to associate appraisal reports with items in disposition agreements	ERA98	2	D	Software	ERA98
ERA1.11.6	The system shall capture lifecycle data from appraisal reports	ERA1.11.6	The system shall capture lifecycle data from appraisal reports	ERA99	2	T	Software	ERA99
ERA1.11.6.1	The system shall extract lifecycle data from appraisal reports	ERA1.11.6	The system shall capture lifecycle data from appraisal reports	ERA99	2	T	Software	LM99
ERA1.11.6.2	The system shall store lifecycle data extracted from appraisal reports	ERA1.11.6	The system shall capture lifecycle data from appraisal reports	ERA99	2	T	Software	LM911
ERA1.11.7	The system shall provide the capability to collaborate on appraisal reports	ERA1.11	The system shall provide capabilities for appraisal	ERA92	2	D	Software	LM912
ERA1.11.7.1	The system shall provide the capability to capture comments on appraisal reports	ERA1.11	The system shall provide capabilities for appraisal	ERA92	2	D	Software	LM3301
ERA1.11.7.2	The system shall provide the capability to access comments on appraisal reports	ERA1.11	The system shall provide capabilities for appraisal	ERA92	2	D	Software	LM3302
ERA1.11.7.3	The system shall provide the capability to update comments on appraisal reports	ERA1.11	The system shall provide capabilities for appraisal	ERA92	2	D	Software	LM3303
ERA1.11.7.4	The system shall provide the capability to delete comments on appraisal reports	ERA1.11	The system shall provide capabilities for appraisal	ERA92	2	D	Software	LM3304
ERA1.11.7.5	The system shall provide the capability to capture responses to comments on appraisal reports	ERA1.11	The system shall provide capabilities for appraisal	ERA92	2	D	Software	LM3305
ERA1.11.7.6	The system shall provide the capability to access responses to comments on appraisal reports	ERA1.11	The system shall provide capabilities for appraisal	ERA92	2	D	Software	LM3306
ERA1.11.7.7	The system shall provide the capability to update responses to comments on appraisal reports	ERA1.11	The system shall provide capabilities for appraisal	ERA92	2	D	Software	LM3307
ERA1.11.7.8	The system shall provide the capability to delete responses to comments on appraisal reports	ERA1.11	The system shall provide capabilities for appraisal	ERA92	2	D	Software	LM3308
ERA1.11.8	The system shall maintain the version history of an appraisal report	ERA1.11	The system shall provide capabilities for appraisal	ERA92	2	D	Software	LM913

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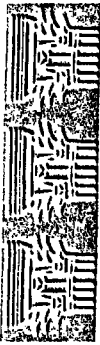
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA1.11.9	The system shall assign a constant unique identifier to each version of an appraisal report	ERA1.11	The system shall provide capabilities for appraisal	ERA92	2	D	Software	LM914
ERA1.11.10	The system shall provide capabilities to appraise records	ERA1.11	The system shall provide capabilities for appraisal	ERA92	2	D	Software	LM92
ERA2	The system shall provide workflow management	ERA2	The system shall provide workflow management	ERA100	3	D	Software	ERA100
ERA2.1	The system shall invoke its services based on business rules	ERA2.1	The system shall invoke its services based on business rules	ERA101	1	D	Software	ERA101
ERA2.1.1	The system shall provide the capability to define business rules to the system	ERA2.1.1	The system shall provide the capability to define business rules to the system	ERA102	1	D	Software	ERA102
ERA2.1.2	The system shall provide the capability for mandatory approvals as exit criteria for business processes	ERA2.1.2	The system shall provide the capability for mandatory approvals as exit criteria for business processes	ERA103	1	D	Software	ERA103
ERA2.2	The system shall provide the capability to manage units of work	ERA2.2	The system shall provide the capability to manage units of work	ERA104	1	D	Software	ERA104
ERA2.2.1	The system shall provide the capability to define units of work	ERA2.2.1	The system shall provide the capability to define units of work	ERA105	1	D	Software	ERA105
ERA2.2.2	The system shall provide the capability to assign sets of records to units of work	ERA2.2.2	The system shall provide the capability to assign sets of records to units of work	ERA106	1	D	Software	ERA106
ERA2.2.2.1	The system shall provide the capability to modify the assignment of sets of records to units of work	ERA2.2	The system shall provide the capability to manage units of work	ERA104	1	D	Software	LM1050
ERA2.2.2.2	The system shall provide the capability to delete the assignment of sets of records to units of work	ERA2.2	The system shall provide the capability to manage units of work	ERA104	1	D	Software	LM1051
ERA2.2.2.3	The system shall provide the capability to rollback changes associated with records that are deleted from a unit of work	ERA2.2	The system shall provide the capability to manage units of work	ERA104	1	D	Software	LM1052
ERA2.2.3	The system shall provide the capability to queue units of work	ERA2.2.3	The system shall provide the capability to queue units of work	ERA107	1	T	Software	ERA107
ERA2.2.4	The system shall provide the capability to suspend processing of units of work	ERA2.2.4	The system shall provide the capability to suspend processing of units of work	ERA108	1	D	Software	ERA108
ERA2.2.5	The system shall provide the capability to resume processing of units of work that were suspended	ERA2.2.5	The system shall provide the capability to resume processing of units of work that were suspended	ERA109	1	D	Software	ERA109
ERA2.2.6	The system shall provide the capability to track the status of units of work	ERA2.2.6	The system shall provide the capability to track the status of units of work	ERA110	1	D	Software	ERA110
ERA2.2.7	The system shall report on the status of units of work	ERA2.2.7	The system shall report on the status of units of work	ERA111	1	D	Software	ERA111
ERA2.2.8	The system shall provide the capability to define timeframes for completion of units of work	ERA2.2.8	The system shall provide the capability to define timeframes for completion of units of work	ERA112	1	D	Software	ERA112
ERA2.2.9	The system shall provide the status of a unit of work at completion	ERA2.2.9	The system shall provide the status of a unit of work at completion	ERA113	1	D	Software	ERA113
ERA2.2.10	The system shall provide the capability to update the status of a unit of work	ERA2.2	The system shall provide the capability to manage units of work	ERA104	1	D	Software	LM1053

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace- ID	Incr.	VM	Allocation	LM ID
ERA2.2.11	The system shall provide the capability to cancel processing of units of work	ERA2.2	The system shall provide the capability to manage units of work	ERA104	1	D	Software	LM3141
ERA2.3	The system shall provide the capability to manage workflows	ERA2.3	The system shall provide the capability to manage workflows	ERA114	1	D	Software	ERA114
ERA2.3.1	The system shall provide the capability to create workflows	ERA2.3.1	The system shall provide the capability to create workflows	ERA115	1	D	Software	ERA115
ERA2.3.2	The system shall provide the capability to delete workflows	ERA2.3.2	The system shall provide the capability to delete workflows	ERA116	1	D	Software	ERA116
ERA2.3.3	The system shall provide the capability to integrate forms into workflows	ERA2.3.3	The system shall provide the capability to integrate forms into workflows	ERA117	1	D	Software	ERA117
ERA2.3.4	The system shall provide the capability to modify workflows	ERA2.3.4	The system shall provide the capability to modify workflows	ERA118	1	D	Software	ERA118
ERA2.3.5	The system shall provide the capability to manage multiple workflows simultaneously	ERA2.3.5	The system shall provide the capability to manage multiple workflows simultaneously	ERA119	1	D	Software	ERA119
ERA2.3.6	The system shall enforce sequential completion of workflows	ERA2.3.6	The system shall enforce sequential completion of workflows	ERA120	1	D	Software	ERA120
ERA2.3.6.1	The system shall provide the capability to enforce sequential completion within workflows	ERA2.3.6	The system shall enforce sequential completion of workflows	ERA120	1	D	Software	LM120
ERA2.4	The system shall provide the capability for dynamic manipulation of workflows	ERA2.4	The system shall provide the capability for dynamic manipulation of workflows	ERA121	2	D	Software	ERA121
ERA2.4.1	The system shall provide the capability to queue workflows	ERA2.4.1	The system shall provide the capability to queue workflows	ERA122	1	T	Software	ERA122
ERA2.4.2	The system shall provide the capability to suspend workflows	ERA2.4.2	The system shall provide the capability to suspend workflows	ERA123	1	D	Software	ERA123
ERA2.4.3	The system shall provide the capability to resume a suspended workflow	ERA2.4.3	The system shall provide the capability to resume a suspended workflow	ERA124	1	D	Software	ERA124
ERA2.4.4	The system shall provide the capability to cancel a workflow	ERA2.4.4	The system shall provide the capability to cancel a workflow	ERA125	1	D	Software	ERA125
ERA2.4.4.1	The system shall provide the capability to rollback changes associated with records that are in a canceled workflow	ERA2.4.4	The system shall provide the capability to cancel a workflow	ERA125	1	T	Software	LM1054
ERA2.4.5	The system shall provide the capability to adjust the priority of a workflow	ERA2.4.5	The system shall provide the capability to adjust the priority of a workflow	ERA126	2	T	Software	ERA126
ERA2.4.6	The system shall provide the capability to set the priority of a workflow	ERA2.4	The system shall provide the capability for dynamic manipulation of workflows	ERA121	2	T	Software	LM1055
ERA2.5	The system shall estimate resource requirements associated with a workflow	ERA2.5	The system shall estimate resource requirements associated with a workflow	ERA127	3	T	Software	ERA127
ERA2.5.1	The system shall make estimated resource requirements associated with a workflow available to other systems	ERA2.5.1	The system shall make estimated resource requirements associated with a workflow available to other systems	ERA128	3	T	Software	ERA128

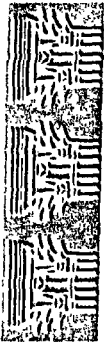
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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA2.5.1.1	The system shall make estimated resource requirements associated with a workflow available to other systems in accordance with the Interface Requirements Specification	ERA2.5.1	The system shall make estimated resource requirements associated with a workflow available to other systems	ERA128	3	T	Software	LM128
ERA2.5.2	The system shall provide the capability to collect resource metrics for workflows	ERA2.5	The system shall estimate resource requirements associated with a workflow	ERA127	3	T	Software	LM1137
ERA2.6	The system shall manage online forms	ERA2.6	The system shall manage online forms	ERA129	1	D	Software	ERA129
ERA2.6.1	The system shall provide the capability for users to create online forms	ERA2.6.1	The system shall provide the capability for users to create online forms	ERA130	1	D	Software	ERA130
ERA2.6.2	The system shall provide the capability for users to access online forms	ERA2.6.2	The system shall provide the capability for users to access online forms	ERA131	1	D	Software	ERA131
ERA2.6.3	The system shall check online forms for correctness	ERA2.6.3	The system shall check online forms for correctness	ERA132	1	T	Software	ERA132
ERA2.6.3.1	The system shall validate that the declared types of the attributes on the online form match the declared types of the associated attributes in the data store	ERA2.6.3	The system shall check online forms for correctness	ERA132	1	T	Software	LM1056
ERA2.6.3.2	The system shall validate spelling of text on online forms	ERA2.6.3	The system shall check online forms for correctness	ERA132	1	T	Software	LM1057
ERA2.6.4	The system shall provide the capability for users to update online forms	ERA2.6.4	The system shall provide the capability for users to update online forms	ERA133	1	D	Software	ERA133
ERA2.6.5	The system shall provide the capability for users to delete online forms	ERA2.6.5	The system shall provide the capability for users to delete online forms	ERA134	1	D	Software	ERA134
ERA2.6.6	The system shall provide the capability for users to fill out online forms	ERA2.6.6	The system shall provide the capability for users to fill out online forms	ERA135	1	D	Software	ERA135
ERA2.6.7	The system shall provide the capability for users to approve filled out forms	ERA2.6.7	The system shall provide the capability for users to approve filled out forms	ERA136	1	D	Software	ERA136
ERA2.6.8	The system shall check user supplied data on online forms	ERA2.6.8	The system shall check user supplied data on online forms	ERA137	1	T	Software	ERA137
ERA2.6.8.1	The system shall verify user supplied data on online forms for data type	ERA2.6.8	The system shall check user supplied data on online forms	ERA137	1	T	Software	LM1058
ERA2.6.8.2	The system shall verify user supplied data on online forms for specified data ranges	ERA2.6.8	The system shall check user supplied data on online forms	ERA137	1	T	Software	LM1059
ERA2.6.8.3	The system shall verify user supplied data on online forms against pre-defined constraints	ERA2.6.8	The system shall check user supplied data on online forms	ERA137	1	T	Software	LM3142
ERA2.6.9	The system shall provide the capability for users to submit filled out online forms	ERA2.6	The system shall manage online forms	ERA129	1	T	Software	LM1060
ERA2.7	The system shall provide the capability to notify users about workflow processes	ERA2.7	The system shall provide the capability to notify users about workflow processes	ERA138	1	D	Software	ERA138
ERA2.7.1	The system shall provide the capability to associate notifications with workflows	ERA2.7.1	The system shall provide the capability to associate notifications with workflows	ERA139	1	T	Software	ERA139

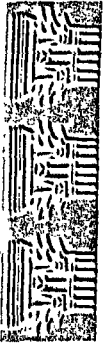
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ERA2.7.2	The system shall provide the capability to change notifications attached to workflows	ERA2.7.2	The system shall provide the capability to change notifications attached to workflows	ERA140	1	D	Software	ERA140
ERA2.7.3	The systems shall provide the capability to delete notifications attached to workflows	ERA2.7.3	The systems shall provide the capability to delete notifications attached to workflows	ERA141	1	D	Software	ERA141
ERA2.8	The system shall provide the capability to assign tasks to users based on business rules	ERA2.8	The system shall provide the capability to assign tasks to users based on business rules	ERA142	1	T	Software	ERA142
ERA2.8.1	The system shall provide the capability to queue tasks	ERA2.8.1	The system shall provide the capability to queue tasks	ERA143	1	T	Software	ERA143
ERA2.8.2	The system shall provide the capability for users to view queues of tasks	ERA2.8.2	The system shall provide the capability for users to view queues of tasks	ERA144	1	D	Software	ERA144
ERA2.8.3	The system shall provide the capability for users to select tasks from queues of work assigned to them	ERA2.8.3	The system shall provide the capability for users to select tasks from queues of work assigned to them	ERA145	1	D	Software	ERA145
ERA2.8.4	The system shall provide the capability for a user to move a task from one queue to another queue	ERA2.8	The system shall provide the capability to assign tasks to users based on business rules	ERA142	1	T	Software	LM1061
ERA2.8.5	The system shall provide the capability for escalation at workflow steps	ERA2.8	The system shall provide the capability to assign tasks to users based on business rules	ERA142	1	T	Software	LM1062
ERA2.9	The system shall provide the capability to prioritize any queue	ERA2.9	The system shall provide the capability to prioritize any queue	ERA146	2	T	Software	ERA146
ERA2.9.1	The system shall provide the capability to prioritize one queue over another queue	ERA2.9	The system shall provide the capability to prioritize any queue	ERA146	1	T	Software	LM1063
ERA2.9.2	The system shall provide the capability to prioritize objects within a queue	ERA2.9	The system shall provide the capability to prioritize any queue	ERA146	2	T	Software	LM1064
ERA2.10	The system shall manage FOIA requests	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software, Operations	ERA147
ERA2.10.1	The system shall provide the capability for a user to create a FOIA request	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM1226
ERA2.10.1.1	The system shall assign a constant unique identifier for each FOIA request	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM1227
ERA2.10.1.2	The system shall provide the capability to queue FOIA requests	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM1228
ERA2.10.2	The system shall provide the capability for a user to update a FOIA request	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM1229
ERA2.10.3	The system shall provide the capability for a user to delete a FOIA request	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM1230
ERA2.10.4	The system shall provide the capability for a user to view a FOIA request	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM1231
ERA2.10.5	The system shall provide the capability for a user to enter a FOIA Review Determination	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software, Operations	LM1232
ERA2.10.6	The system shall provide the capability to acknowledge FOIA requests	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM1233

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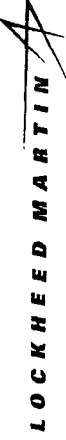


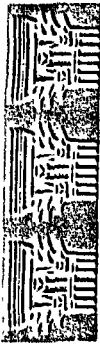
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ERA2.10.7	The system shall provide the capability to assign the status of a FOIA request	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM1234
ERA2.10.8	The system shall provide the capability for a user to initiate an Access Review process on assets retrieved for a FOIA request	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Operations	LM1236
ERA2.10.9	The system shall generate reports on the status of FOIA requests	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM1237
ERA2.10.10	The system shall generate reports on the disposition of FOIA requests	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM3310
ERA2.10.11	The system shall provide the capability to track the status of FOIA appeals	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM1238
ERA2.10.12	The system shall provide the capability to validate FOIA requests	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM3311
ERA2.10.13	The system shall monitor the aging of FOIA requests.	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM3312
ERA2.10.14	The system shall report aged FOIA requests	ERA2.10	The system shall manage FOIA requests	ERA147	2	D	Software	LM3313
ERA2.11	The system shall manage Privacy Act requests	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software, Operations	ERA148
ERA2.11.1	The system shall provide the capability for a user to create a Privacy Act request	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software	LM1239
ERA2.11.1.1	The system shall assign a constant unique identifier for each Privacy Act request	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software	LM1240
ERA2.11.2	The system shall provide the capability for a user to view a Privacy Act request	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software, Operations	LM1242
ERA2.11.3	The system shall provide the capability for a user to update a Privacy Act request	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software	LM1243
ERA2.11.4	The system shall provide the capability for a user to delete a Privacy Act request	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software	LM1244
ERA2.11.5	The system shall provide the capability to queue Privacy Act requests	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software	LM1245
ERA2.11.6	The system shall provide the capability to assign the status of a Privacy Act request	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software	LM1246
ERA2.11.7	The system shall provide the capability to validate Privacy Act requests	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software	LM1247
ERA2.11.8	The system shall provide the capability to capture disclosure information relating to a Privacy Act request	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software, Operations	LM1248
ERA2.11.9	The system shall record Privacy Act appeal requests	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software	LM1249
ERA2.11.10	The system shall provide the capability to capture amendment information relating to a Privacy Act request	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software	LM1250

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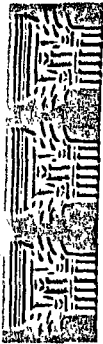
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA2 11.11	The system shall monitor the aging of Privacy Act Requests	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software	LM1251
ERA2 11.12	The system shall provide the capability for a user to initiate an Access Review process on assets retrieved for a Privacy Act request	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Operations	LM1252
ERA2 11.13	The system shall report aged Privacy Act requests	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software	LM1253
ERA2 11.14	The system shall provide the capability to acknowledge Privacy Act requests	ERA2.11	The system shall manage Privacy Act requests	ERA148	3	D	Software	LM1241
ERA3	The system shall provide the capability for descriptions	ERA3	The system shall provide the capability for descriptions	ERA149	2	D	Software	ERA149
ERA3.1	The system shall provide the capability for description of records at multiple levels	ERA3.1	The system shall provide the capability for description of records at multiple levels	ERA150	2	D	Software	ERA150
ERA3 1.1	The system shall provide the capability for users to describe sets of records	ERA3.1.1	The system shall provide the capability for users to describe sets of records	ERA151	2	D	Software	ERA151
ERA3 1.1.1	The system shall provide the capability to describe collections	ERA3.1.1.1	The system shall provide the capability to describe collections	ERA152	2	D	Software	ERA152
ERA3 1.1.2	The system shall provide the capability to describe record groups	ERA3.1.1.2	The system shall provide the capability to describe record groups	ERA153	2	D	Software	ERA153
ERA3 1.1.3	The system shall provide the capability to describe series	ERA3.1.1.3	The system shall provide the capability to describe series	ERA154	2	D	Software	ERA154
ERA3.1.1.4	The system shall provide the capability to describe file units	ERA3.1.1.4	The system shall provide the capability to describe file units	ERA155	2	D	Software	ERA155
ERA3.1.1.5	The system shall provide the capability to describe any set of records defined by NARA	ERA3.1.1.5	The system shall provide the capability to describe any set of records defined by NARA	ERA156	2	A	Software	ERA156
ERA3.1.2	The system shall provide the capability for item level descriptions	ERA3.1.2	The system shall provide the capability for item level descriptions	ERA157	2	D	Software	ERA157
ERA3 2	The system shall provide the capability for hierarchical descriptions	ERA3.2	The system shall provide the capability for hierarchical descriptions	ERA158	2	D	Software	ERA158
ERA3.2.1	The system shall provide the capability for hierarchical descriptions of sets of records	ERA3.2.1	The system shall provide the capability for hierarchical descriptions of sets of records	ERA159	2	D	Software	ERA159
ERA3 2.2	The system shall provide the capability for hierarchical descriptions of organizations	ERA3.2.2	The system shall provide the capability for hierarchical descriptions of organizations	ERA160	2	D	Software	ERA160
ERA3 2.3	The system shall provide the capability for users to define new hierarchical description levels	ERA3.2.3	The system shall provide the capability for users to define new hierarchical description levels	ERA161	2	D	Software	ERA161
ERA3.2.4	The system shall impose no practical limit on the number of hierarchical description levels that may be defined	ERA3.2.4	The system shall impose no practical limit on the number of hierarchical description levels that may be defined	ERA162	2	D	Software	ERA162
ERA3.2.4.1	The system shall support at least one hundred hierarchical description levels	ERA3.2.4	The system shall impose no practical limit on the number of hierarchical description levels that may be defined	ERA162	2	D	Software	LM162





LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA3.2.5	The system shall provide the capability to define hierarchical relationships for descriptions	ERA3.2	The system shall provide the capability for hierarchical descriptions	ERA158	2	D	Software	LM158
ERA3.3	The system shall provide the capability to create descriptions for all records	ERA3.3	The system shall provide the capability to create descriptions for all records	ERA163	2	D	Software	ERA163
ERA3.3.1	The system shall provide the capability to create descriptions by users	ERA3.3.1	The system shall provide the capability to create descriptions by users	ERA164	2	D	Software	ERA164
ERA3.3.1.1	The system shall provide the capability to create new descriptions by users	ERA3.3.1.1	The system shall provide the capability to create new descriptions by users	ERA165	2	D	Software	ERA165
ERA3.3.1.2	The system shall provide the capability for users to modify existing descriptions to create new descriptions	ERA3.3.1.2	The system shall provide the capability for users to modify existing descriptions to create new descriptions	ERA166	2	D	Software	ERA166
ERA3.3.1.2.1	The system shall provide the capability for users to create new versions of existing descriptions to be able to modify the descriptions	ERA3.3.1.2	The system shall provide the capability for users to modify existing descriptions to create new descriptions	ERA166	2	D	Software	LM166
ERA3.3.1.3	The system shall provide users with all previously collected records lifecycle data regarding the records to support creation of descriptions	ERA3.3.1.3	The system shall provide users with all previously collected records lifecycle data regarding the records to support creation of descriptions	ERA167	2	D	Software	ERA167
ERA3.3.2	The system shall generate descriptions using information gathered throughout the records lifecycle	ERA3.3.2	The system shall generate descriptions using information gathered throughout the records lifecycle	ERA168	2	D	Software	ERA168
ERA3.3.2.1	The system shall provide the capability for users to select whether or not to have the system create system generated descriptions	ERA3.3.2.1	The system shall provide the capability for users to select whether or not to have the system create system generated descriptions	ERA169	2	D	Software	ERA169
ERA3.3.2.2	The system shall provide the capability for users to select the hierarchical level of system generated descriptions	ERA3.3.2.2	The system shall provide the capability for users to select the hierarchical level of system generated descriptions	ERA170	2	D	Software	ERA170
ERA3.3.2.3	The system shall provide the capability to integrate information provided by approved sources into system generated descriptions	ERA3.3.2.3	The system shall provide the capability to integrate information provided by approved sources into system generated descriptions	ERA171	2	D	Software	ERA171
ERA3.3.2.4	The system shall provide the capability to integrate information provided by other functions of ERA into system generated descriptions	ERA3.3.2.4	The system shall provide the capability to integrate information provided by other functions of ERA into system generated descriptions	ERA172	2	D	Software	ERA172
ERA3.3.2.5	The system shall check the quality of system generated descriptions against NARA-defined standards	ERA3.3.2.5	The system shall check the quality of system generated descriptions against NARA-defined standards	ERA173	2	D	Software	ERA173
ERA3.3.2.5.1	The system shall use a grammar for verifying the quality of descriptions	ERA3.3.2.5	The system shall check the quality of system generated descriptions against NARA-defined standards	ERA173	2	D	Software	LM917
ERA3.3.2.5.2	The system shall provide the capability to implement rules that conform to the grammar for verifying the quality of descriptions	ERA3.3.2.5	The system shall check the quality of system generated descriptions against NARA-defined standards	ERA173	2	D	Software	LM918

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA3 4	The system shall provide the capability to link descriptions at all levels with the assets they describe	ERA3.4	The system shall provide the capability to link descriptions at all levels with the assets they describe	ERA174	2	D	Software	ERA174
ERA3 4.1	The system shall provide the capability to link descriptions at a hierarchical level with the assets they describe	ERA3.4	The system shall provide the capability to link descriptions at all levels with the assets they describe	ERA174	2	D	Software	LM174
ERA3 5	The system shall provide the capability to import previously created descriptions from other systems	ERA3.5	The system shall provide the capability to import previously created descriptions from other systems	ERA175	2	D	Software	ERA175
ERA3.5 1	The system shall provide the capability for users to select from which systems to import	ERA3.5	The system shall provide the capability to import previously created descriptions from other systems	ERA175	2	D	Software	LM919
ERA3 5.2	The system shall provide the capability to accept an imported description	ERA3 5	The system shall provide the capability to import previously created descriptions from other systems	ERA175	2	D	Software	LM920
ERA3 5 3	The system shall delete all versions of a rejected imported description	ERA3.5	The system shall provide the capability to import previously created descriptions from other systems	ERA175	2	D	Software	LM921
ERA3.5 4	The system shall provide the capability to import descriptions from other systems, in accordance with the Interface Requirements Specification	ERA3.5	The system shall provide the capability to import previously created descriptions from other systems	ERA175	2	D	Software	LM175
ERA3 6	The system shall provide the capability to export descriptions	ERA3.6	The system shall provide the capability to export descriptions	ERA176	2	D	Software	ERA176
ERA3.6.1	The system shall provide the capability to output descriptions according to the Interface Requirements Specification	ERA3.6	The system shall provide the capability to export descriptions	ERA176	2	D	Software	LM923
ERA3 6 2	The system shall provide the capability to export descriptions according to the Interface Requirements Specification	ERA3.6	The system shall provide the capability to export descriptions	ERA176	2	D	Software	LM176
ERA3.7	The system shall provide the capability to update descriptions	ERA3.7	The system shall provide the capability to update descriptions	ERA177	2	D	Software	ERA177
ERA3 7 1	The system shall provide capability for users to update descriptions	ERA3.7.1	The system shall provide capability for users to update descriptions	ERA178	2	D	Software	ERA178
ERA3.7.1.1	The system shall provide capability for users to modify versions of a description	ERA3.7.1	The system shall provide capability for users to update descriptions	ERA178	2	D	Software	LM178
ERA3 7.2	The system shall update set-level descriptions in response to accretions of additional records to a set	ERA3 7.2	The system shall update set-level descriptions in response to accretions of additional records to a set	ERA179	2	D	Software	ERA179
ERA3 7 3	The system shall provide the capability to report the records affected when updating a description	ERA3.7	The system shall provide the capability to update descriptions	ERA177	2	D	Software	LM924
ERA3 8	The system shall provide the capability to approve descriptions	ERA3.8	The system shall provide the capability to approve descriptions	ERA180	2	D	Software	ERA180

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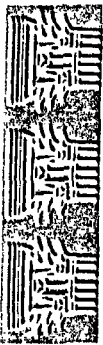


LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA3.9	The system shall provide the capability to manage versioning of descriptions	ERA3.9	The system shall provide the capability to manage versioning of descriptions	ERA181	2	D	Software	ERA181
ERA3.9.1	The system shall maintain the version history of a description	ERA3.9	The system shall provide the capability to manage versioning of descriptions	ERA181	2	D	Software	LM925
ERA3.9.2	The system shall provide the capability for users to create a new version of an approved description to allow it to be modified	ERA3.9	The system shall provide the capability to manage versioning of descriptions	ERA181	2	D	Software	LM926
ERA3.9.3	The system shall provide the capability for a user to view versions of a description	ERA3.9	The system shall provide the capability to manage versioning of descriptions	ERA181	2	D	Software	LM927
ERA3.10	The system shall provide the capability to assign a status to descriptions to indicate where the description is in the approval process	ERA3.10	The system shall provide the capability to assign a status to descriptions to indicate where the description is in the approval process	ERA182	2	D	Software	ERA182
ERA3.11	The system shall provide the capability to delete descriptions	ERA3.11	The system shall provide the capability to delete descriptions	ERA183	2	D	Software	ERA183
ERA3.11.1	The system shall provide the capability to delete any version of a description	ERA3.11.1	The system shall provide the capability to delete any version of a description	ERA184	2	D	Software	ERA184
ERA3.12	The system shall provide the capability to associate related materials with descriptions	ERA3.12	The system shall provide the capability to associate related materials with descriptions	ERA185	2	D	Software	ERA185
ERA3.12.1	The system shall provide the capability to link to related resources from within descriptions	ERA3.12.1	The system shall provide the capability to link to related resources from within descriptions	ERA186	2	D	Software	ERA186
ERA3.13	The system shall accept description information about records provided in electronic forms	ERA3.13	The system shall accept description information about records provided in electronic forms	ERA187	2	D	Software	ERA187
ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA188	2	D	Software	ERA188
ERA3.14.1	The system shall provide the capability for a user to create notes on descriptions	ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA188	2	D	Software	LM929
ERA3.14.2	The system shall provide the capability for a user to view notes on descriptions	ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA188	2	D	Software	LM930
ERA3.14.3	The system shall provide the capability for a user to modify notes on descriptions	ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA188	2	D	Software	LM931
ERA3.14.4	The system shall provide the capability for a user to delete notes on descriptions	ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA188	2	D	Software	LM932
ERA3.14.5	The system shall provide the capability to capture notes on descriptions	ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA188	2	D	Software	LM188
ERA3.15	The system shall provide the capability to describe things other than records	ERA3.15	The system shall provide the capability to describe things other than records	ERA189	2	D	Software	ERA189
ERA3.15.1	The system shall provide the capability to describe user defined things	ERA3.15	The system shall provide the capability to describe things other than records	ERA189	2	D	Software	LM3314
ERA3.15.2	The system shall provide the capability for users to define things to be described	ERA3.15	The system shall provide the capability to describe things other than records	ERA189	2	D	Software	LM189
ERA3.16	The system shall provide the capability to annotate records	ERA3.16	The system shall provide the capability to annotate records	ERA190	2	D	Software	ERA190



LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA3.16.1	The system shall provide the capability for a user to create record annotations	ERA3.16	The system shall provide the capability to annotate records	ERA190	2	D	Software	LM933
ERA3.16.2	The system shall provide the capability for a user to view record annotations	ERA3.16	The system shall provide the capability to annotate records	ERA190	2	D	Software	LM934
ERA3.16.3	The system shall provide the capability for a user to modify record annotations	ERA3.16	The system shall provide the capability to annotate records	ERA190	2	D	Software	LM935
ERA3.16.4	The system shall provide the capability for a user to delete record annotations	ERA3.16	The system shall provide the capability to annotate records	ERA190	2	D	Software	LM936
ERA3.17	The system shall provide the capability to collaborate on descriptions	ERA3	The system shall provide the capability for descriptions	ERA149	2	D	Software	LM937
ERA3.18	The system shall assign a constant unique identifier to each version of a description	ERA3	The system shall provide the capability for descriptions	ERA149	2	D	Software	LM940
ERA3.19	The system shall provide the capability to create descriptions with access restrictions that are different from the access restrictions of the assets being described	ERA3.15	The system shall provide the capability to describe things other than records	ERA189	2	D	Software	LM3315
ERA4	The system shall manage authority sources	ERA4	The system shall manage authority sources	ERA191	2	D	Software	ERA191
ERA4.1	The system shall provide the capability to create authority sources within ERA	ERA4.1	The system shall provide the capability to create authority sources within ERA	ERA192	2	D	Software	ERA192
ERA4.2	The system shall provide the capability to access authority sources	ERA4.2	The system shall provide the capability to access authority sources	ERA193	2	D	Software	ERA193
ERA4.2.1	The system shall provide the capability to output authority sources	ERA4.2	The system shall provide the capability to access authority sources	ERA193	2	D	Software	LM3316
ERA4.2.2	The system shall provide the capability to present authority sources	ERA4.2	The system shall provide the capability to access authority sources	ERA193	2	D	Software	LM193
ERA4.3	The system shall provide the capability to delete authority sources	ERA4.3	The system shall provide the capability to delete authority sources	ERA194	2	D	Software	ERA194
ERA4.4	The system shall provide the capability to update authority sources	ERA4.4	The system shall provide the capability to update authority sources	ERA195	2	D	Software	ERA195
ERA4.5	The system shall provide the capability to link to authority sources	ERA4.5	The system shall provide the capability to link to authority sources	ERA196	2	D	Software	ERA196
ERA4.6	The system shall provide the capability to import authority sources	ERA4.6	The system shall provide the capability to import authority sources	ERA197	2	D	Software	ERA197
ERA4.6.1	The system shall provide the capability for users to review results from importing authority sources	ERA4.6	The system shall provide the capability to import authority sources	ERA197	2	D	Software	LM942
ERA4.6.2	The system shall provide the capability for a user to accept imported authority sources	ERA4.6	The system shall provide the capability to import authority sources	ERA197	2	D	Software	LM943
ERA4.6.3	The system shall provide the capability for a user to reject imported authority sources	ERA4.6	The system shall provide the capability to import authority sources	ERA197	2	D	Software	LM944
ERA4.6.4	The system shall provide the capability to import authority sources according to the Interface Requirements Specification	ERA4.6	The system shall provide the capability to import authority sources	ERA197	2	D	Software	LM197

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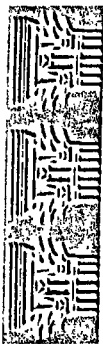
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ERA4.7	The system shall provide the capability to use authority sources	ERA4.7	The system shall provide the capability to use authority sources	ERA198	2	D	Software	ERA198
ERA4.7.1	The system shall provide the capability to use authority sources during creation of descriptions	ERA4.7.1	The system shall provide the capability to use authority sources during creation of descriptions	ERA199	2	D	Software	ERA199
ERA4.7.2	The system shall provide the capability to use authority sources during searches	ERA4.7.2	The system shall provide the capability to use authority sources during searches	ERA200	2	D	Software	ERA200
ERA4.7.3	The system shall provide the capability to link to authority sources during creation of descriptions	ERA4.7.2	The system shall provide the capability to use authority sources during searches	ERA200	2	D	Software	LM3317
ERA4.7.4	The system shall provide the capability to update authority sources in linked descriptions when the authority source changes	ERA4.7.2	The system shall provide the capability to use authority sources during searches	ERA200	3	D	Software	LM3318
ERA4.8	The system shall manage complex thesauri	ERA4.8	The system shall manage complex thesauri	ERA201	2	D	Software	ERA201
ERA4.9	The system shall provide the capability to combine authority sources	ERA4.9	The system shall provide the capability to combine authority sources	ERA202	2	D	Software	ERA202
ERA4.10	The system shall impose no practical limit on the number of authority sources	ERA4.10	The system shall impose no practical limit on the number of authority sources	ERA203	2	T	Software	ERA203
ERA4.10.1	The system shall support at least ten thousand authority sources	ERA4.10	The system shall impose no practical limit on the number of authority sources	ERA203	2	T	Software	LM203
ERA4.11	The system shall provide the capability for ERA users to collaborate on authority sources	ERA4	The system shall manage authority sources	ERA191	2	D	Software	LM945
ERA4.12	The system shall maintain the version history of an authority source	ERA4	The system shall manage authority sources	ERA191	2	D	Software	LM946
ERA4.12.1	The system shall provide the capability for a user to view authority source versions	ERA4	The system shall manage authority sources	ERA191	2	D	Software	LM951
ERA4.12.2	The system shall provide the capability for a user to modify authority source versions	ERA4	The system shall manage authority sources	ERA191	2	D	Software	LM952
ERA4.12.3	The system shall provide the capability for a user to delete authority source versions	ERA4	The system shall manage authority sources	ERA191	2	D	Software	LM953
ERA4.13	The system shall create a new version of an authority source to allow it to be modified	ERA4	The system shall manage authority sources	ERA191	2	D	Software	LM947
ERA4.14	The system shall assign a constant unique identifier to each version of an authority source	ERA4	The system shall manage authority sources	ERA191	2	D	Software	LM948
ERA5	The system shall provide the capability to manage records lifecycle data	ERA5	The system shall provide the capability to manage records lifecycle data	ERA204	1	T	Software	ERA204
ERA5.1	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record managed by the system	ERA5.1	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record managed by the system	ERA205	1	T	Software	ERA205
ERA5.1.1	The system shall support at least three thousand lifecycle data elements for each record managed by the system	ERA5.1	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record managed by the system	ERA205	1	T	Software	LM205



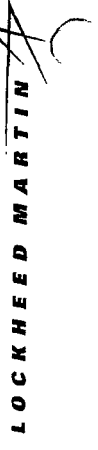


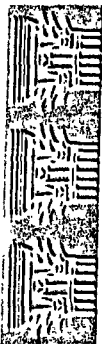
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA5.2	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record set managed by the system	ERA5.2	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record set managed by the system	ERA206	1	D	Software	ERA206
ERA5.2.1	The system shall support at least three thousand lifecycle data elements per record for each record set managed by the system	ERA5.2	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record set managed by the system	ERA206	1	D	Software	LM206
ERA5.3	The system shall provide the capability to define sets of records lifecycle data elements for sets of electronic records	ERA5.3	The system shall provide the capability to define sets of records lifecycle data elements for sets of electronic records	ERA207	1	D	Software	ERA207
ERA5.4	The system shall extract records lifecycle data elements from electronic records	ERA5.4	The system shall extract records lifecycle data elements from electronic records	ERA208	1	D	Software	ERA208
ERA5.5	The system shall extract records lifecycle data elements from templates	ERA5.5	The system shall extract records lifecycle data elements from templates	ERA209	1	D	Software	ERA209
ERA5.5.1	The system shall extract records lifecycle data elements from Lifecycle Document Templates	ERA5.5	The system shall extract records lifecycle data elements from templates	ERA209	1	D	Software	LM209
ERA5.6	The system shall extract records lifecycle data elements from disposition agreements	ERA5.6	The system shall extract records lifecycle data elements from disposition agreements	ERA210	1	D	Software	ERA210
ERA5.7	The system shall provide the capability to define representation information for electronic records	ERA5.7	The system shall provide the capability to define representation information for electronic records	ERA211	1	D	Software	ERA211
ERA5.7.1	The system shall provide the capability for the user to define representation information for electronic records in Archival Metadata Templates	ERA5.7	The system shall provide the capability to define representation information for electronic records	ERA211	1	D	Software	LM211
ERA5.8	The system shall provide the capability to check that electronic records correspond to their defined representation information	ERA5.8	The system shall provide the capability to check that electronic records correspond to their defined representation information	ERA212	1	D	Software	ERA212
ERA6	The system shall provide capabilities for sample records	ERA6	The system shall provide capabilities for sample records	ERA213	1	D	Software	ERA213
ERA6.1	The system shall provide the capability to accept transfers of sample electronic records	ERA6.1	The system shall provide the capability to accept transfers of sample electronic records	ERA214	1	D	Software	ERA214
ERA6.1.1	The system shall provide the capability to accept transfers of sample electronic records, according to the Interface Requirements Specification	ERA6.1	The system shall provide the capability to accept transfers of sample electronic records	ERA214	1	D	Software	LM214
ERA6.1.2	The system shall assign a constant unique identifier to each transfer of sample electronic records	ERA6.1	The system shall provide the capability to accept transfers of sample electronic records	ERA214	1	D	Software	LM957
ERA6.2	The system shall provide access to transfers of sample records	ERA6.2	The system shall provide access to transfers of sample records	ERA215	1	D	Software	ERA215

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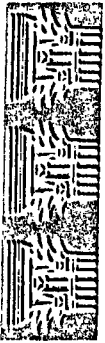
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA6.3	The system shall provide the capability to record information resulting from review of sample electronic records	ERA6.3	The system shall provide the capability to record information resulting from review of sample electronic records	ERA216	1	D	Software	ERA216
ERA6.4	The system shall provide the capability to remove sample electronic records	ERA6.4	The system shall provide the capability to remove sample electronic records	ERA217	1	D	Software	ERA217
ERA6.4.1	The system shall provide the capability to destroy sample electronic records	ERA6.4.1	The system shall provide the capability to destroy sample electronic records	ERA218	1	T	Software	ERA218
ERA6.4.2	The system shall provide the capability to return sample electronic records to the transferring entity	ERA6.4.2	The system shall provide the capability to return sample electronic records to the transferring entity	ERA219	1	A	Software	ERA219
ERA6.4.3	The system shall provide the capability to delete sample electronic records	ERA6.4	The system shall provide the capability to remove sample electronic records	ERA217	1	D	Software	LM217
ERA6.5	The system shall provide the capability to use sample electronic records to test system processes	ERA6.5	The system shall provide the capability to use sample electronic records to test system processes	ERA220	1	D	Software	ERA220
ERA6.6	The system shall check the authenticity of sample electronic records	ERA6.6	The system shall check the authenticity of sample electronic records	ERA221	2	D	Software	ERA221
ERA6.6.1	The system shall report the results of checking sample electronic records	ERA6.6.1	The system shall report the results of checking sample electronic records	ERA222	2	D	Software	ERA222
ERA6.6.1.1	The system shall report the results of the essential characteristics verification to the user	ERA6.6.1	The system shall report the results of checking sample electronic records	ERA222	2	D	Software	LM222
ERA6.6.2	The system shall capture the user's certification of authenticity	ERA6.6	The system shall check the authenticity of sample electronic records	ERA221	1	D	Software, Operations	LM956
ERA6.6.3	The system shall verify the essential characteristics of sample electronic records	ERA6.6	The system shall check the authenticity of sample electronic records	ERA221	2	D	Software	LM221
ERA7	The system shall provide the capability to manage templates	ERA7	The system shall provide the capability to manage templates	ERA223	2	D	Software	ERA223
ERA7.1	The system shall provide a template repository	ERA7.1	The system shall provide a template repository	ERA224	1	T	Software	ERA224
ERA7.2	The system shall provide the capability for managing templates within the template repository	ERA7.2	The system shall provide the capability for managing templates within the template repository	ERA225	1	D	Software	ERA225
ERA7.2.1	The system shall provide the capability for users to submit templates to the template repository	ERA7.2.1	The system shall provide the capability for users to submit templates to the template repository	ERA226	1	D	Software	ERA226
ERA7.2.2	The system shall provide the capability to access templates in the template repository	ERA7.2.2	The system shall provide the capability to access templates in the template repository	ERA227	1	D	Software	ERA227
ERA7.2.2.1	The system shall provide the capability to output versions of a template in the template repository	ERA7.2.2	The system shall provide the capability to access templates in the template repository	ERA227	1	D	Software	LM3319
ERA7.2.2.2	The system shall provide the capability to present versions of a template in the template repository	ERA7.2.2	The system shall provide the capability to access templates in the template repository	ERA227	1	D	Software	LM227
ERA7.2.3	The system shall provide the capability to modify templates in the template repository	ERA7.2.3	The system shall provide the capability to modify templates in the template repository	ERA228	1	D	Software	ERA228





LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA7.2.3.1	The system shall provide the capability to modify versions of a template in the template repository	ERA7.2.3	The system shall provide the capability to modify templates in the template repository	ERA228	1	D	Software	LM228
ERA7.2.4	The system shall provide the capability to delete templates from the template repository	ERA7.2.4	The system shall provide the capability to delete templates from the template repository	ERA229	1	D	Software	ERA229
ERA7.2.4.1	The system shall provide the capability to delete versions of a template in the template repository	ERA7.2.4	The system shall provide the capability to delete templates from the template repository	ERA229	1	D	Software	LM229
ERA7.2.5	The system shall identify templates for which all associated electronic records have been destroyed	ERA7.2.5	The system shall identify templates for which all associated electronic records have been destroyed	ERA230	1	D	Software	ERA230
ERA7.2.6	The system shall identify all electronic records associated with a template	ERA7.2	The system shall provide the capability for managing templates within the template repository	ERA225	1	D	Software	LM958
ERA7.2.7	The system shall identify all templates associated with an electronic record	ERA7.2	The system shall provide the capability for managing templates within the template repository	ERA225	1	D	Software	LM959
ERA7.3	The system shall provide the capability to produce draft templates	ERA7.3	The system shall provide the capability to produce draft templates	ERA231	1	D	Software	ERA231
ERA7.4	The system shall provide the capability for users to create new templates	ERA7.4	The system shall provide the capability for users to create new templates	ERA232	1	D	Software	ERA232
ERA7.4.1	The system shall provide the capability to create a new template based on an electronic record	ERA7.4.1	The system shall provide the capability to create a new template based on an electronic record	ERA233	1	D	Software	ERA233
ERA7.4.2	The system shall provide the capability to create a new template based on a disposition agreement	ERA7.4.2	The system shall provide the capability to create a new template based on a disposition agreement	ERA234	1	D	Software	ERA234
ERA7.4.3	The system shall provide the capability to create a new template based on a set of electronic records	ERA7.4.3	The system shall provide the capability to create a new template based on a set of electronic records	ERA235	1	D	Software	ERA235
ERA7.4.4	The system shall provide model templates	ERA7.4.4	The system shall provide model templates	ERA236	1	D	Software	ERA236
ERA7.4.4.1	The system shall provide the capability to create a new template based on a model template	ERA7.4.4.1	The system shall provide the capability to create a new template based on a model template	ERA237	1	D	Software	ERA237
ERA7.5	The system shall provide the capability to approve templates	ERA7.5	The system shall provide the capability to approve templates	ERA238	1	D	Software	ERA238
ERA7.6	The system shall check templates	ERA7.6	The system shall check templates	ERA239	1	A	Software	ERA239
ERA7.6.1	The system shall check templates according to user supplied rules	ERA7.6.1	The system shall check templates according to user supplied rules	ERA240	1	A	Software	ERA240
ERA7.6.1.1	The system shall check templates for conformance to applicable NARA standards	ERA7.6.1.1	The system shall check templates for conformance to applicable NARA standards	ERA241	1	A	Software	ERA241
ERA7.6.2	The system shall check templates to ensure their functionality	ERA7.6.2	The system shall check templates to ensure their functionality	ERA242	1	D	Software, Operations	ERA242
ERA7.6.2.1	The system shall provide the results of the template check	ERA7.6.2.1	The system shall provide the results of the template check	ERA243	1	D	Software	ERA243

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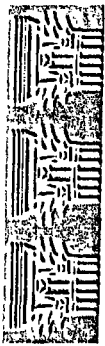
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace- ID	Incr.	VM	Allocation	LM ID
ERA7.6.2.1.1	The system shall provide the results of the template verification to the user	ERA7.6.2.1	The system shall provide the results of the template check	ERA243	1	D	Software	LM243
ERA7.6.3	The system shall check that templates are well-formed	ERA7.6.3	The system shall check that templates are well-formed	ERA244	1	D	Software	ERA244
ERA7.6.4	The system shall check associations between templates	ERA7.6.4	The system shall check associations between templates	ERA245	1	D	Software	ERA245
ERA7.7	The system shall associate templates with defined domains	ERA7.7	The system shall associate templates with defined domains	ERA246	1	D	Software	ERA246
ERA7.7.1	The system shall provide the capability to associate templates with abstract sets of electronic records	ERA7.7.1	The system shall provide the capability to associate templates with abstract sets of electronic records	ERA247	1	D	Software	ERA247
ERA7.7.2	The system shall provide the capability to associate templates with empirical sets of electronic records	ERA7.7.2	The system shall provide the capability to associate templates with empirical sets of electronic records	ERA248	1	D	Software	ERA248
ERA7.7.3	The system shall provide the capability to associate templates with transactions in the lifecycle management of records	ERA7.7.3	The system shall provide the capability to associate templates with transactions in the lifecycle management of records	ERA249	1	D	Software	ERA249
ERA7.7.4	The system shall provide the capability to associate templates with digital data types	ERA7.7.4	The system shall provide the capability to associate templates with digital data types	ERA250	1	D	Software	ERA250
ERA7.7.5	The system shall provide the capability to associate templates with mappings of one data type to another	ERA7.7.5	The system shall provide the capability to associate templates with mappings of one data type to another	ERA251	1	D	Software	ERA251
ERA7.8	The system shall provide the capability to associate templates with other system objects	ERA7.8	The system shall provide the capability to associate templates with other system objects	ERA252	1	D	Software	ERA252
ERA7.8.1	The system shall provide the capability to associate electronic records with registered templates	ERA7.8.1	The system shall provide the capability to associate electronic records with registered templates	ERA253	1	D	Software	ERA253
ERA7.8.2	The system shall provide the capability to associate disposition agreements with registered templates	ERA7.8.2	The system shall provide the capability to associate disposition agreements with registered templates	ERA254	1	D	Software	ERA254
ERA7.8.3	The system shall provide the capability to associate representation information for electronic records with registered templates	ERA7.8.3	The system shall provide the capability to associate representation information for electronic records with registered templates	ERA255	1	D	Software	ERA255
ERA7.8.4	The system shall provide the capability to associate registered templates with transactions	ERA7.8.4	The system shall provide the capability to associate registered templates with transactions	ERA256	1	D	Software	ERA256
ERA7.8.5	The system shall provide the capability for registered templates to reference other registered templates	ERA7.8.5	The system shall provide the capability for registered templates to reference other registered templates	ERA257	1	D	Software	ERA257
ERA7.8.5.1	The system shall provide the capability for approved templates to reference other approved templates	ERA7.8.5	The system shall provide the capability for registered templates to reference other registered templates	ERA257	1	D	Software	LM257

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA7.9	The system shall provide the capability for versioning of templates	ERA7.9	The system shall provide the capability for versioning of templates	ERA258	1	D	Software	ERA258
ERA7.9.1	The system shall maintain the version history of templates	ERA7.9	The system shall provide the capability for versioning of templates	ERA258	1	D	Software	LM961
ERA7.9.2	The system shall create a new version of an approved template to allow it to be modified	ERA7.9	The system shall provide the capability for versioning of templates	ERA258	1	D	Software	LM962
ERA7.9.3	The system shall assign a constant unique identifier to each version of a template	ERA7.9	The system shall provide the capability for versioning of templates	ERA258	1	D	Software	LM963
ERA7.10	The system shall provide the capability for hierarchies of templates	ERA7.10	The system shall provide the capability for hierarchies of templates	ERA259	1	D	Software	ERA259
ERA7.11	The system shall provide the capability to import templates from external systems' template repositories into the ERA template repository	ERA7.11	The system shall provide the capability to import templates from external systems' template repositories into the ERA template repository	ERA260	2	D	Software	ERA260
ERA7.11.1	The system shall provide the capability to import templates from external systems' template repositories into the ERA template repository, in accordance with the Interface Requirements Specification	ERA7.11	The system shall provide the capability to import templates from external systems' template repositories into the ERA template repository	ERA260	2	D	Software	LM260
ERA7.12	The system shall provide the capability to output templates	ERA7.12	The system shall provide the capability to output templates	ERA261	2	D	Software	ERA261
ERA7.12.1	The system shall provide the capability to output templates, in accordance with the Interface Requirements Specification	ERA7.12	The system shall provide the capability to output templates	ERA261	2	D	Software	LM261
ERA7.13	The system shall provide the capability for users to collaborate on templates	ERA7	The system shall provide the capability to manage templates	ERA223	2	D	Software	LM965
ERA7.14	The system shall provide the capability for taxonomies of templates	ERA7.10	The system shall provide the capability for hierarchies of templates	ERA259	1	D	Software	LM259
ERA8	The system shall provide capabilities for preserving electronic records	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	ERA262
ERA8.1	The system shall manage the preservation process of electronic records	ERA8.1	The system shall manage the preservation process of electronic records	ERA263	2	D	Software	ERA263
ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	2	D	Software	ERA264
ERA8.1.1.1	The system shall provide the capability for preservation assessments of electronic records scheduled for transfer to NARA	ERA8.1.1.1	The system shall provide the capability for preservation assessments of electronic records scheduled for transfer to NARA	ERA265	2	D	Software	ERA265
ERA8.1.1.1.1	The system shall provide the capability for preservation assessments of electronic records planned for transfer to NARA but not scheduled	ERA8.1.1.1.1	The system shall provide the capability for preservation assessments of electronic records planned for transfer to NARA but not scheduled	ERA266	2	D	Software	ERA266
ERA8.1.1.2	The system shall provide the capability for preservation assessment of electronic records at the time of ingest	ERA8.1.1.2	The system shall provide the capability for preservation assessment of electronic records at the time of ingest	ERA267	2	D	Software	ERA267

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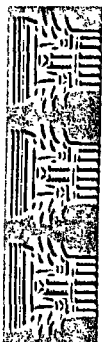


LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA8.1.1.3	The system shall provide the capability for preservation assessment of electronic records already stored in ERA	ERA8.1.1.3	The system shall provide the capability for preservation assessment of electronic records already stored in ERA	ERA268	2	D	Software	ERA268
ERA8.1.1.4	The system shall provide the capability to apply templates in preservation assessment	ERA8.1.1.4	The system shall provide the capability to apply templates in preservation assessment	ERA269	2	D	Software	ERA269
ERA8.1.1.5	The system shall maintain the version history of preservation assessments	ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	2	D	Software	LM968
ERA8.1.1.6	The system shall assign a constant unique identifier to each preservation assessment	ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	2	T	Software	LM969
ERA8.1.1.7	The system shall create a new version of an approved preservation assessment to allow it to be modified	ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	2	T	Software	LM972
ERA8.1.1.8	The system shall provide the capability to view versions of a preservation assessment	ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	2	T	Software	LM973
ERA8.1.1.9	The system shall provide the capability to modify versions of a preservation assessment	ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	2	T	Software	LM974
ERA8.1.1.10	The system shall provide the capability to delete versions of a preservation assessment	ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	2	T	Software	LM975
ERA8.1.1.11	The system shall provide the capability to create a preservation assessment	ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	2	D	Software	LM3320
ERA8.1.2	The system shall provide the capability to schedule the automatic execution of preservation processing	ERA8.1.2	The system shall provide the capability to schedule the automatic execution of preservation processing	ERA270	2	D	Software	ERA270
ERA8.1.2.1	The system shall provide the capability to queue automatic execution of preservation processing via workflow	ERA8.1.2	The system shall provide the capability to schedule the automatic execution of preservation processing	ERA270	2	D	Software	LM270
ERA8.1.3	The system shall provide the capability to use the user interface to initiate transformation of electronic records by the system	ERA8.1.3	The system shall provide the capability to use the user interface to initiate transformation of electronic records by the system	ERA271	2	D	Software	ERA271
ERA8.1.3.1	The system shall provide the capability for the user to initiate digital adaptation of electronic records by the system	ERA8.1.3	The system shall provide the capability to use the user interface to initiate transformation of electronic records by the system	ERA271	2	D	Software	LM271
ERA8.1.4	The system shall provide the capability to mass process sets of electronic records	ERA8.1.4	The system shall provide the capability to mass process sets of electronic records	ERA272	2	T	Software	ERA272
ERA8.1.4.1	The system shall provide the capability to mass process sets of data files	ERA8.1.4.1	The system shall provide the capability to mass process sets of data files	ERA273	2	T	Software	ERA273
ERA8.1.4.1.1	The system shall provide the capability to perform preservation processing on sets of data files	ERA8.1.4.1	The system shall provide the capability to mass process sets of data files	ERA273	2	T	Software	LM273
ERA8.1.4.2	The system shall provide the capability to perform preservation processing on sets of electronic records	ERA8.1.4	The system shall provide the capability to mass process sets of electronic records	ERA272	2	T	Software	LM272



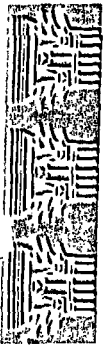
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA8.1.5	The system shall maintain an audit trail of all preservation processing	ERA8.1.5	The system shall maintain an audit trail of all preservation processing	ERA274	2	T	Software	ERA274
ERA8.1.5.1	The system shall include the preservation audit trail within the records lifecycle data	ERA8.1.5.1	The system shall include the preservation audit trail within the records lifecycle data	ERA275	2	D	Software	ERA275
ERA8.1.5.1.1	The system shall include a preservation audit log within the records lifecycle data	ERA8.1.5.1	The system shall include the preservation audit trail within the records lifecycle data	ERA275	2	D	Software	LM275
ERA8.1.5.2	The system shall maintain an audit log for preservation processing	ERA8.1.5	The system shall maintain an audit trail of all preservation processing	ERA274	2	T	Software	LM274
ERA8.1.6	The system shall preserve the integrity of records throughout the preservation processes	ERA8.1.6	The system shall preserve the integrity of records throughout the preservation processes	ERA276	2	D	Software	ERA276
ERA8.1.6.1	The system shall ensure that relationships among records are not altered in preservation processing	ERA8.1.6.1	The system shall ensure that relationships among records are not altered in preservation processing	ERA277	2	I	Software	ERA277
ERA8.1.6.1.1	The system shall ensure that relationships among records are retained in preservation processing	ERA8.1.6.1	The system shall ensure that relationships among records are not altered in preservation processing	ERA277	2	I	Software	LM277
ERA8.1.6.2	The system shall ensure that all data files stored in the system are associated with the records they constitute	ERA8.1.6.2	The system shall ensure that all data files stored in the system are associated with the records they constitute	ERA278	2	D	Software	ERA278
ERA8.1.6.2.1	The system shall ensure that all data files stored in the system are associated with the sets of electronic records they constitute	ERA8.1.6.2.1	The system shall ensure that all data files stored in the system are associated with the sets of electronic records they constitute	ERA279	2	D	Software	ERA279
ERA8.1.6.3	The system shall maintain electronic record content across preservation processes	ERA8.1.6.3	The system shall maintain electronic record content across preservation processes	ERA280	2	D	Software	ERA280
ERA8.1.6.4	The system shall ensure that all specified behavior associated with an electronic record is maintained across preservation processes	ERA8.1.6.4	The system shall ensure that all specified behavior associated with an electronic record is maintained across preservation processes	ERA281	2	A	Software	ERA281
ERA8.1.6.4.1	The system shall provide the capability to specify which behaviors of electronic records must be maintained across preservation processes	ERA8.1.6.4.1	The system shall provide the capability to specify which behaviors of electronic records must be maintained across preservation processes	ERA282	2	D	Software	ERA282
ERA8.1.6.4.1.1	The system shall provide the capability to specify in the preservation and service plan which behaviors of electronic records must be maintained across preservation processes	ERA8.1.6.4.1	The system shall provide the capability to specify which behaviors of electronic records must be maintained across preservation processes	ERA282	2	D	Software	LM282
ERA8.1.6.4.2	The system shall maintain the behavior of an electronic record across preservation processes as specified in the preservation and service plan for that record	ERA8.1.6.4	The system shall ensure that all specified behavior associated with an electronic record is maintained across preservation processes	ERA281	2	A	Software	LM281
ERA8.1.6.5	The system shall maintain electronic record context across preservation processes	ERA8.1.6.5	The system shall maintain electronic record context across preservation processes	ERA283	2	T	Software	ERA283

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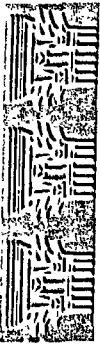
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace- ID	Incr.	VM	Allocation	LM ID
ERA8 1.6.6	The system shall maintain specified electronic record structure across preservation processes	ERA8.1.6.6	The system shall maintain specified electronic record structure across preservation processes	ERA284	2	T	Software	ERA284
ERA8 1.6.6.1	The system shall maintain electronic record structure across preservation processes as specified in the preservation and service plan	ERA8.1.6.6	The system shall maintain specified electronic record structure across preservation processes	ERA284	2	T	Software	LM284
ERA8.1.6.7	The system shall maintain specified electronic record presentation across preservation processes	ERA8.1.6.7	The system shall maintain specified electronic record presentation across preservation processes	ERA285	2	D	Software	ERA285
ERA8 1.6.7.1	The system shall maintain electronic record presentation across preservation processes as specified in the preservation and service plan	ERA8 1.6.7	The system shall maintain specified electronic record presentation across preservation processes	ERA285	2	D	Software	LM285
ERA8 2	The system shall provide the capability to ingest data files in the digital formats in which they were received	ERA8 2	The system shall provide the capability to ingest data files in the digital formats in which they were received	ERA286	1	D	Software	ERA286
ERA8 2.1	The system shall provide the capability to store data files in the digital formats in which they were received	ERA8 2.1	The system shall provide the capability to store data files in the digital formats in which they were received	ERA287	1	D	Software	ERA287
ERA8.3	The system shall capture attributes of all ingested data files	ERA8.3	The system shall capture attributes of all ingested data files	ERA288	1	D	Software	ERA288
ERA8.3.1	The system shall capture the identifiers of all ingested data files	ERA8.3.1	The system shall capture the identifiers of all ingested data files	ERA289	1	T	Software	ERA289
ERA8.3.2	The system shall capture the data types of all ingested data files	ERA8.3.2	The system shall capture the data types of all ingested data files	ERA290	1	T	Software	ERA290
ERA8 3.2.1	The system shall accept data files of undeterminable data types	ERA8.3.2	The system shall capture the data types of all ingested data files	ERA290	1	D	Software	LM976
ERA8 3.2.2	The system shall report on electronic files of undeterminable data type	ERA8.3.2	The system shall capture the data types of all ingested data files	ERA290	1	D	Software	LM977
ERA8 3.2.3	The system shall store attributes extracted from ingested data files	ERA8.3.2	The system shall capture the data types of all ingested data files	ERA290	1	T	Software	LM978
ERA8.3.2.4	The system shall store identifiers extracted from ingested data files	ERA8.3.2	The system shall capture the data types of all ingested data files	ERA290	1	T	Software	LM979
ERA8.3.2.5	The system shall store data types extracted from ingested data files	ERA8.3.2	The system shall capture the data types of all ingested data files	ERA290	1	T	Software	LM980
ERA8 4	The system shall specify the relationship of each ingested data file with an electronic record	ERA8 4	The system shall specify the relationship of each ingested data file with an electronic record	ERA291	1	T	Software	ERA291
ERA8.4.1	The system shall specify the relationship of each ingested data file with a set of electronic records	ERA8.4.1	The system shall specify the relationship of each ingested data file with a set of electronic records	ERA292	1	T	Software	ERA292
ERA8.5	The system shall provide the capability to transform any ingested data file to a different format	ERA8.5	The system shall provide the capability to transform any ingested data file to a different format	ERA293	2	D	Software	ERA293

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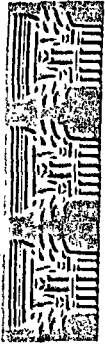


LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA8.5.1	The system shall have the capability to check that a file output from a transformation retains specified attributes of the input data	ERA8.5.1	The system shall have the capability to check that a file output from a transformation retains specified attributes of the input data	ERA294	2	T	Software	ERA294
ERA8.5.1.1	The system shall provide the capability to verify that the result of a digital adaptation retains attributes of the original digital item as specified in the preservation and service plan for that item	ERA8.5.1	The system shall have the capability to check that a file output from a transformation retains specified attributes of the input data	ERA294	2	T	Software	LM294
ERA8.5.2	The system shall have the capability to check that a file output from a transformation retains the specified behaviors of the input data	ERA8.5.2	The system shall have the capability to check that a file output from a transformation retains the specified behaviors of the input data	ERA295	2	T	Software	ERA295
ERA8.5.2.1	The system shall provide the capability to verify that the result of a digital adaptation retains behavior of the original digital item as specified in the preservation and service plan for that item	ERA8.5.2	The system shall have the capability to check that a file output from a transformation retains the specified behaviors of the input data	ERA295	2	T	Software	LM295
ERA8.5.3	The system shall specify the relationship of each transformed data file to an electronic record	ERA8.5.3	The system shall specify the relationship of each transformed data file to an electronic record	ERA296	2	D	Software	ERA296
ERA8.5.3.1	The system shall specify the relationship of each transformed data file to a set of electronic records	ERA8.5.3.1	The system shall specify the relationship of each transformed data file to a set of electronic records	ERA297	2	T	Software	ERA297
ERA8.5.3.1.1	The system shall identify the relationship of each digitally adapted data file to a set of electronic records	ERA8.5.3.1	The system shall specify the relationship of each transformed data file to a set of electronic records	ERA297	2	T	Software	LM297
ERA8.5.3.2	The system shall identify the relationship of each digitally adapted data file to an electronic record	ERA8.5.3	The system shall specify the relationship of each transformed data file to an electronic record	ERA296	2	D	Software	LM296
ERA8.5.4	The system shall provide the capability to perform digital adaptation on an ingested data file	ERA8.5	The system shall provide the capability to transform any ingested data file to a different format	ERA293	2	D	Software	LM293
ERA8.6	The system shall provide the capability to transform electronic records into persistent formats	ERA8.6	The system shall provide the capability to transform electronic records into persistent formats	ERA298	2	A	Software	ERA298
ERA8.6.1	The system shall provide the capability to transform electronic record/data types into a hardware and software independent format	ERA8.6.1	The system shall provide the capability to transform electronic record/data types into a hardware and software independent format	ERA299	2	A	Hardware	ERA299
ERA8.6.1.1	The system shall check the results of transformations for conformance with assigned templates	ERA8.6.1.1	The system shall check the results of transformations for conformance with assigned templates	ERA300	2	D	Software	ERA300
ERA8.6.1.1.1	The system shall validate the results of digital adaptations for conformance with associated templates	ERA8.6.1.1	The system shall check the results of transformations for conformance with assigned templates	ERA300	2	D	Software	LM300

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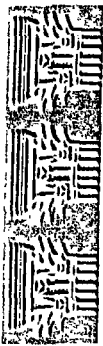


LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	2	D	Software	ERA301
ERA8.6.1.2.1	The system shall provide the capability to report on the documented effects on content from digital adaptations	ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	2	D	Software	LM981
ERA8.6.1.2.2	The system shall provide the capability to report on the documented effects on presentation from digital adaptations	ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	2	D	Software	LM982
ERA8.6.1.2.3	The system shall provide the capability to report on the documented effects on behavior from digital adaptations	ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	2	D	Software	LM983
ERA8.6.1.2.4	The system shall provide the capability to report on the detected effects on content from digital adaptations	ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	2	D	Software	LM984
ERA8.6.1.2.5	The system shall provide the capability to report on the detected effects on presentation from digital adaptations	ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	2	D	Software	LM985
ERA8.6.1.2.6	The system shall provide the capability to report on the detected effects on behavior from digital adaptations	ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	2	D	Software	LM986
ERA8.6.1.2.7	The system shall provide the capability to report the results of digital adaptations	ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	2	D	Software	LM301
ERA8.6.1.3	The system shall provide the capability to flag records that have undergone incomplete transformations	ERA8.6.1.3	The system shall provide the capability to flag records that have undergone incomplete transformations	ERA302	2	D	Software	ERA302
ERA8.6.1.3.1	The system shall provide the capability to identify records that have undergone incomplete digital adaptations	ERA8.6.1.3	The system shall provide the capability to flag records that have undergone incomplete transformations	ERA302	2	D	Software	LM302
ERA8.6.1.4	The system shall provide the capability to flag records that have undergone incorrect transformations	ERA8.6.1.4	The system shall provide the capability to flag records that have undergone incorrect transformations	ERA303	2	T	Software	ERA303
ERA8.6.1.4.1	The system shall provide the capability to identify records that have undergone incorrect digital adaptations	ERA8.6.1.4	The system shall provide the capability to flag records that have undergone incorrect transformations	ERA303	2	T	Software	LM303
ERA8.6.1.5	The system shall provide the capability to correct problems with transformations	ERA8.6.1.5	The system shall provide the capability to correct problems with transformations	ERA304	2	D	Software	ERA304
ERA8.6.1.5.1	The system shall provide the capability for users to manually correct problems with digital adaptation processes	ERA8.6.1.5	The system shall provide the capability to correct problems with transformations	ERA304	2	D	Software	LM987
ERA8.6.1.5.2	The system shall provide the capability to deprecate a digital adaptation process	ERA8.6.1.5	The system shall provide the capability to correct problems with transformations	ERA304	2	T	Software	LM988

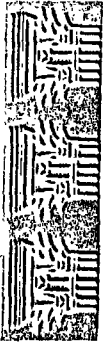


LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace- ID	Incr.	VM	Allocation	LM ID
ERA8 6.1.5.3	The system shall notify users when a digital adaptation process is deprecated	ERA8.6.1.5	The system shall provide the capability to correct problems with digital adaptations	ERA304	2	D	Software	LM989
ERA8 6.1.5.4	The system shall provide the capability to correct problems with digital adaptations	ERA8 6.1.5	The system shall provide the capability to correct problems with transformations	ERA304	2	D	Software	LM304
ERA8 6.1.6	The system shall provide the capability to reinsert corrected transformations	ERA8 6.1.6	The system shall provide the capability to reinsert corrected transformations	ERA305	2	D	Software	ERA305
ERA8 6.1.6.1	The system shall provide the capability to reinsert corrected digital items into electronic records	ERA8.6.1.6	The system shall provide the capability to reinsert corrected transformations	ERA305	2	D	Software	LM305
ERA8.6.1.7	The system shall provide the capability to digitally adapt electronic records into a hardware/software independent format	ERA8 6.1	The system shall provide the capability to transform electronic record/data types into a hardware and software independent format	ERA299	2	A	Hardware	LM299
ERA8.6.2	The system shall provide the capability to digitally adapt electronic records into persistent formats	ERA8 6	The system shall provide the capability to transform electronic records into persistent formats	ERA298	2	A	Software	LM298
ERA8.7	The system shall store the files output from preservation processes	ERA8.7	The system shall store the files output from preservation processes	ERA306	2	D	Software	ERA306
ERA8 7.1	The system shall store the files output from format transformation	ERA8.7.1	The system shall store the files output from format transformation	ERA307	2	D	Software	ERA307
ERA8 7.1.1	The system shall store the resulting digital items from transforming digital adaptation processes	ERA8.7.1	The system shall store the files output from format transformation	ERA307	2	D	Software	LM307
ERA8.7.2	The system shall store the files output from transformation to a persistent format	ERA8.7.2	The system shall store the files output from transformation to a persistent format	ERA308	2	D	Software	ERA308
ERA8 7.2.1	The system shall store the resulting digital items from digital adaptation processes that produce persistent objects	ERA8.7.2	The system shall store the files output from transformation to a persistent format	ERA308	2	D	Software	LM308
ERA8.7.3	The system shall store the digital items output from preservation processes	ERA8.7	The system shall store the files output from preservation processes	ERA306	2	D	Software	LM306
ERA8 8	The system shall provide foreign language extensibility such that foreign language electronic records may be preserved in the future without the need for major redesign	ERA8 8	The system shall provide foreign language extensibility such that foreign language electronic records may be preserved in the future without the need for major redesign	ERA309	2	I	Software	ERA309
ERA8 9	The system shall provide the capability for preservation planning	ERA8.9	The system shall provide the capability for preservation planning	ERA310	2	D	Software	ERA310
ERA8 9.1	The system shall provide the capability for users to create preservation and access plans	ERA8.9 1	The system shall provide the capability for users to create preservation and access plans	ERA311	2	D	Software	ERA311
ERA8 9.1.1	The system shall provide the capability for users to create a new version of an approved preservation and service plan to allow it to be modified	ERA8.9 1	The system shall provide the capability for users to create preservation and access plans	ERA311	2	D	Software	LM311
ERA8 9.2	The system shall provide the capability to access preservation and access plans	ERA8 9.2	The system shall provide the capability to access preservation and access plans	ERA312	2	D	Software	ERA312

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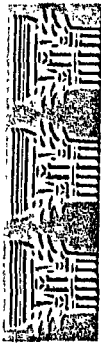


LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA8.9.2.1	The system shall provide the capability to output versions of a preservation and service plan	ERA8.9.2	The system shall provide the capability to access preservation and access plans	ERA312	2	D	Software	LM3321
ERA8.9.2.2	The system shall provide the capability to present versions of a preservation and service plan	ERA8.9.2	The system shall provide the capability to access preservation and access plans	ERA312	2	D	Software	LM312
ERA8.9.3	The system shall provide the capability for users to update preservation and access plans	ERA8.9.3	The system shall provide the capability for users to update preservation and access plans	ERA313	2	D	Software	ERA313
ERA8.9.3.1	The system shall provide the capability for users to modify versions of a preservation and service plan	ERA8.9.3	The system shall provide the capability for users to update preservation and access plans	ERA313	2	D	Software	LM313
ERA8.9.4	The system shall provide the capability for users to delete preservation and access plans	ERA8.9.4	The system shall provide the capability for users to delete preservation and access plans	ERA314	2	D	Software	ERA314
ERA8.9.4.1	The system shall provide the capability for users to delete versions of a preservation and service plan	ERA8.9.4	The system shall provide the capability for users to delete preservation and access plans	ERA314	2	D	Software	LM314
ERA8.9.5	The system shall provide the capability for users to associate a preservation and service plan with electronic records	ERA8.9.5	The system shall provide the capability for users to associate a preservation and service plan with electronic records	ERA315	2	D	Software	ERA315
ERA8.9.6	The system shall provide the capability for users to associate a preservation and service plan with an item in a disposition agreement	ERA8.9.6	The system shall provide the capability for users to associate a preservation and service plan with an item in a disposition agreement	ERA316	2	D	Software	ERA316
ERA8.9.7	The system shall provide the capability for the preservation and service plan to define the preservation level for the electronic records to which it is associated	ERA8.9.7	The system shall provide the capability for the preservation and service plan to define the preservation level for the electronic records to which it is associated	ERA317	2	D	Software	ERA317
ERA8.9.8	The system shall provide the capability for the preservation and service plan to define the access methods for the electronic records to which it is associated	ERA8.9.8	The system shall provide the capability for the preservation and service plan to define the access methods for the electronic records to which it is associated	ERA318	2	D	Software	ERA318
ERA8.9.9	The system shall provide the capability for users to collaborate on preservation and service plans	ERA8.9	The system shall provide the capability for preservation planning	ERA310	2	D	Software	LM991
ERA8.9.10	The system shall maintain the version history of a preservation and service plan	ERA8.9	The system shall provide the capability for preservation planning	ERA310	2	D	Software	LM992
ERA8.9.11	The system shall assign a constant unique identifier to each version of a preservation and service plan	ERA8.9	The system shall provide the capability for preservation planning	ERA310	2	D	Software	LM994
ERA8.9.12	The system shall provide the capability for a user to approve preservation and service plans	ERA8.9	The system shall provide the capability for preservation planning	ERA310	2	D	Software	LM995
ERA8.9.13	The system shall provide the capability to create a preservation and service plan	ERA8.9	The system shall provide the capability for preservation planning	ERA310	2	D	Software	LM3322
ERA8.10	The system shall provide a registry of data type descriptors	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM996



LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace- ID	Incr.	VM	Allocation	LM ID
ERA8.10.1	The system shall provide the capability to add data type descriptors to the data type registry	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM997
ERA8.10.2	The system shall provide the capability to update data type descriptors in the data type registry	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM998
ERA8.10.3	The system shall provide the capability to access data type descriptors from the data type registry	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM999
ERA8.10.4	The system shall provide the capability to delete data type descriptors from the data type registry	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM1000
ERA8.10.5	The system shall provide the capability to search data type descriptors from the data type registry	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM1001
ERA8.10.6	The system shall provide the capability to list all data type descriptors contained in the data type registry	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM1002
ERA8.10.7	The system shall maintain the version history of data type descriptors	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM1005
ERA8.10.7.1	The system shall assign a constant unique identifier to each version of each data type descriptor	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM1006
ERA8.10.7.2	The system shall create a new version of an approved data type descriptor to allow it to be modified	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM1007
ERA8.10.7.3	The system shall provide the capability to view versions of a data type descriptor	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM1008
ERA8.10.7.4	The system shall provide the capability to modify versions of a data type descriptor	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM1009
ERA8.10.7.5	The system shall provide the capability to delete versions of a data type descriptor	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM1010
ERA8.11	The system shall provide the capability to validate the purported data type of a digital item	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	T	Software	LM1003
ERA8.12	The system shall report its degree of confidence that it has correctly determined the data type of a digital item	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	1	D	Software	LM1004
ERA8.13	The system shall provide a registry of digital adaptation descriptors	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	LM1012
ERA8.13.1	The system shall provide the capability to add digital adaptation descriptors to the digital adaptation descriptor registry	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	LM1014
ERA8.13.2	The system shall provide the capability to update digital adaptation descriptors in the digital adaptation descriptor registry	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	LM1015

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ERA8.13.3	The system shall provide the capability to delete digital adaptation descriptors from the digital adaptation descriptor registry	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	LM1016
ERA8.13.4	The system shall provide the capability to access digital adaptation descriptors from the digital adaptation descriptor registry	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	LM1017
ERA8.13.5	The system shall provide the capability to search digital adaptation descriptors contained in the digital adaptation descriptor registry	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	LM1018
ERA8.13.6	The system shall provide the capability to list all digital adaptation descriptors contained in the digital adaptation descriptor registry	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	1	Software	LM1019
ERA8.13.7	The system shall maintain the version history of digital adaptation descriptors	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	LM1020
ERA8.13.8	The system shall assign a constant unique identifier to each version of a digital adaptation descriptor	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	LM1021
ERA8.14	The system shall provide the capability to associate digital adaptation descriptors with data type descriptors	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	LM1013
ERA8.15	The system shall create a new version of an approved digital adaptation descriptor to allow it to be modified	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	LM1022
ERA8.16	The system shall provide the capability to view versions of a digital adaptation descriptor	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	LM1023
ERA8.17	The system shall provide the capability to modify versions of a digital adaptation descriptor	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	LM1024
ERA8.18	The system shall provide the capability to delete versions of a digital adaptation descriptor	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	D	Software	LM1025
ERA8.19	The system shall provide the capability to associate digital adaptation processors with digital adaptation descriptors	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	T	Software	LM1027
ERA8.20	The system shall capture a user's certification of authenticity of digital adaptation processors	ERA8	The system shall provide capabilities for preserving electronic records	ERA262	2	T	Software	LM1028
ERA9	The system shall provide the capability for arrangements of electronic records	ERA9	The system shall provide the capability for arrangements of electronic records	ERA319	2	D	Software	ERA319
ERA9.1	The system shall provide the capability to provide electronic records to users in accordance with any defined arrangement	ERA9.1	The system shall provide the capability to provide electronic records to users in accordance with any defined arrangement	ERA320	2	T	Software	ERA320
ERA9.2	The system shall provide the capability for users to input data defining an arrangement of records	ERA9.2	The system shall provide the capability for users to input data defining an arrangement of records	ERA321	2	D	Software	ERA321

LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA9.2.1	The system shall provide the capability to use information provided by the transferring entity to determine the arrangement	ERA9.2.1	The system shall provide the capability to use information provided by the transferring entity to determine the arrangement	ERA322	2	D	Software	ERA322
ERA9.2.2	The system shall provide the capability to use templates provided by the transferring entity to determine the arrangement	ERA9.2.2	The system shall provide the capability to use templates provided by the transferring entity to determine the arrangement	ERA323	2	D	Software	ERA323
ERA9.2.3	The system shall provide the capability to capture original order information from assets	ERA9.2.1	The system shall provide the capability to use information provided by the transferring entity to determine the arrangement	ERA322	1	D	Software	LM322
ERA9.2.4	The system shall provide the capability to use Archival Metadata Templates to determine the original order	ERA9.2.2	The system shall provide the capability to use templates provided by the transferring entity to determine the arrangement	ERA323	1	D	Software	LM323
ERA9.3	The system shall provide the capability to recreate the arrangement of electronic records as defined in information provided by the transferring entity	ERA9.3	The system shall provide the capability to recreate the arrangement of electronic records as defined in information provided by the transferring entity	ERA324	2	D	Software	ERA324
ERA9.3.1	The system shall provide the capability to recreate the original order of electronic records as defined in Transfer Agreements	ERA9.3	The system shall provide the capability to recreate the arrangement of electronic records as defined in information provided by the transferring entity	ERA324	1	D	Software	LM324
ERA9.4	The system shall provide the capability for multiple arrangements	ERA9.4	The system shall provide the capability for multiple arrangements	ERA325	2	D	Software	ERA325
ERA9.4.1	The system shall manage versions of arrangements	ERA9.4.1	The system shall manage versions of arrangements	ERA326	2	D	Software	ERA326
ERA9.4.1.1	The system shall assign a constant unique identifier to each version of an arrangement	ERA9.4.1	The system shall manage versions of arrangements	ERA326	2	D	Software	LM1029
ERA9.4.1.2	The system shall create a new version of an approved arrangement to allow it to be modified	ERA9.4.1	The system shall manage versions of arrangements	ERA326	2	D	Software	LM1030
ERA9.4.1.3	The system shall provide the capability to view versions of an arrangement	ERA9.4.1	The system shall manage versions of arrangements	ERA326	2	D	Software	LM1031
ERA9.4.1.4	The system shall provide the capability to modify versions of an arrangement	ERA9.4.1	The system shall manage versions of arrangements	ERA326	2	D	Software	LM1033
ERA9.4.1.5	The system shall maintain the version history of an arrangement	ERA9.4.1	The system shall manage versions of arrangements	ERA326	2	D	Software	LM326
ERA9.4.2	The system shall provide the capability to define arrangements of electronic records in addition to the original order	ERA9.4.2	The system shall provide the capability to define arrangements of electronic records in addition to the original order	ERA327	2	D	Software	ERA327
ERA9.4.3	The system shall provide the capability to implement arrangements of electronic records in addition to the original order	ERA9.4.3	The system shall provide the capability to implement arrangements of electronic records in addition to the original order	ERA328	2	D	Software	ERA328

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ERA9.4.4	The system shall provide the capability to present arrangements of electronic records in addition to the original order	ERA9.4.4	The system shall provide the capability to present arrangements of electronic records in addition to the original order	ERA329	2	D	Software	ERA329
ERA9.4.5	The system shall provide the capability to define the relationship between an electronic record in one arrangement and an electronic record in another arrangement	ERA9.4.5	The system shall provide the capability to define the relationship between an electronic record in one arrangement and an electronic record in another arrangement	ERA330	2	D	Software	ERA330
ERA9.5	The system shall provide the capability to delete arrangements	ERA9.5	The system shall provide the capability to delete arrangements	ERA331	2	D	Software	ERA331
ERA9.5.1	The system shall provide the capability for users to delete versions of arrangements that are not the original order	ERA9.5	The system shall provide the capability to delete arrangements	ERA331	2	D	Software	LM331
ERA9.6	The system shall provide the capability to associate electronic records with a defined arrangement	ERA9.6	The system shall provide the capability to associate electronic records with a defined arrangement	ERA332	2	D	Software	ERA332
ERA9.7	The system shall provide the capability to define the position of an electronic record in an arrangement	ERA9.7	The system shall provide the capability to define the position of an electronic record in an arrangement	ERA333	2	D	Software	ERA333
ERA9.8	The system shall provide the capability for hierarchical grouping of sets of electronic records within an arrangement	ERA9.8	The system shall provide the capability for hierarchical grouping of sets of electronic records within an arrangement	ERA334	2	D	Software	ERA334
ERA9.9	The system shall provide the capability to associate additional electronic records with an arrangement over time	ERA9.9	The system shall provide the capability to associate additional electronic records with an arrangement over time	ERA335	2	D	Software	ERA335
ERA9.9.1	The system shall provide the capability to add electronic records to an arrangement	ERA9.9	The system shall provide the capability to associate additional electronic records with an arrangement over time	ERA335	2	D	Software	LM335
ERA9.10	The system shall provide the capability to associate additional sets of electronic records with an arrangement over time	ERA9.10	The system shall provide the capability to associate additional sets of electronic records with an arrangement over time	ERA336	2	D	Software	ERA336
ERA9.10.1	The system shall provide the capability to add electronic record sets to an arrangement	ERA9.10	The system shall provide the capability to associate additional sets of electronic records with an arrangement over time	ERA336	2	D	Software	LM336
ERA9.11	The system shall require that an original order be defined for any set of records in the system	ERA9.11	The system shall require that an original order be defined for any set of records in the system	ERA337	1	D	Software	ERA337
ERA9.11.1	The system shall provide the capability to designate a defined arrangement as the original order of a set of records	ERA9.11.1	The system shall provide the capability to designate a defined arrangement as the original order of a set of records	ERA338	2	D	Software	ERA338
ERA9.11.2	The system shall permit only one arrangement to be defined as the original order for any set of records in the system	ERA9.11.2	The system shall permit only one arrangement to be defined as the original order for any set of records in the system	ERA339	2	D	Software	ERA339

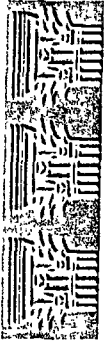
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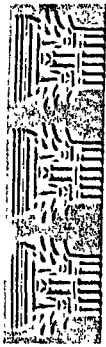
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ERA9.12	The system shall provide the capability for ERA users to collaborate on arrangements	ERA9	The system shall provide the capability for arrangements of electronic records	ERA319	2	D	Software	LM1035
ERA9.13	The system shall provide the capability to remove electronic records from an arrangement	ERA9	The system shall provide the capability for arrangements of electronic records	ERA319	2	D	Software	LM3144
ERA9.14	The system shall provide the capability to remove electronic record sets from an arrangement	ERA9	The system shall provide the capability for arrangements of electronic records	ERA319	2	D	Software	LM3176
ERA9.15	The system shall provide the capability to create an arrangement	ERA9	The system shall provide the capability for arrangements of electronic records	ERA319	2	D	Software	LM3323
ERA10	The system shall store assets	ERA10	The system shall store assets	ERA340	1	D	Hardware, Software	ERA340
ERA10.1	The system shall provide the capability to store copies of electronic records	ERA10.1	The system shall provide the capability to store copies of electronic records	ERA341	1	D	Hardware, Software	ERA341
ERA10.1.1	The system shall identify the version of the electronic record as transferred from the transferring entity	ERA10.1.1	The system shall identify the version of the electronic record as transferred from the transferring entity	ERA342	1	D	Software	ERA342
ERA10.1.2	The system shall store a copy of the electronic records produced as a result of preservation processing	ERA10.1.2	The system shall store a copy of the electronic records produced as a result of preservation processing	ERA343	2	D	Software	ERA343
ERA10.1.3	The system shall provide the capability to replace copies with new versions	ERA10.1.3	The system shall provide the capability to replace copies with new versions	ERA344	1	D	Software	ERA344
ERA10.1.3.1	The system shall provide the capability to replace a copy of an electronic record with an updated version of that same electronic record	ERA10.1.3	The system shall provide the capability to replace copies with new versions	ERA344	1	D	Software	LM344
ERA10.1.4	The system shall produce copies of all assets for off-site storage	ERA10.1.4	The system shall produce copies of all assets for off-site storage	ERA345	1	D	Hardware, Software	ERA345
ERA10.1.4.1	The system shall store a duplicate copy of an asset at another ERA site	ERA10.1.4	The system shall produce copies of all assets for off-site storage	ERA345	1	D	Hardware, Software	LM345
ERA10.2	The system shall provide the capability to manage assets	ERA10.2	The system shall provide the capability to manage assets	ERA346	1	D	Hardware, Software	ERA346
ERA10.2.1	The system shall provide the capability to export self-describing media containing assets from the ERA data storage repository	ERA10.2.1	The system shall provide the capability to export self-describing media containing assets from the ERA data storage repository	ERA347	1	D	Hardware, Software	ERA347
ERA10.2.1.1	The system shall provide the capability to export self-describing media containing assets from the ERA data storage repository in accordance with the Interface Requirements Specification	ERA10.2.1	The system shall provide the capability to export self-describing media containing assets from the ERA data storage repository	ERA347	2	D	Hardware, Software	LM347
ERA10.2.2	The system shall provide the capability to import self-describing media containing electronic records into the ERA primary data storage repository	ERA10.2.2	The system shall provide the capability to import self-describing media containing electronic records into the ERA primary data storage repository	ERA348	1	D	Hardware, Software	ERA348

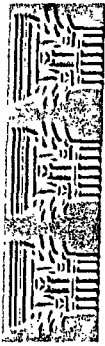


LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA10.2.3	The system shall provide the capability to recover any electronic record in the event of catastrophic loss	ERA10.2.3	The system shall provide the capability to recover any electronic record in the event of catastrophic loss	ERA349	1	D	Software	ERA349
ERA10.2.3.1	The system shall provide the capability to recover an electronic record by retrieving a copy from self-describing media	ERA10.2.3	The system shall provide the capability to recover any electronic record in the event of catastrophic loss	ERA349	1	D	Software	LM1117
ERA10.2.3.2	The system shall provide the capability to recover an electronic record by retrieving a copy from another ERA instance	ERA10.2.3	The system shall provide the capability to recover any electronic record in the event of catastrophic loss	ERA349	2	D	Software	LM1118
ERA10.2.4	The system shall provide the capability for location-transparent access to all of the assets it contains	ERA10.2.4	The system shall provide the capability for location-transparent access to all of the assets it contains	ERA350	1	D	Software	ERA350
ERA10.2.5	The system shall maintain an inventory of all of the assets it contains	ERA10.2.5	The system shall maintain an inventory of all of the assets it contains	ERA351	1	D	Software	ERA351
ERA10.2.5.1	The system shall provide the capability to report on its inventory	ERA10.2.5.1	The system shall provide the capability to report on its inventory	ERA352	1	D	Software	ERA352
ERA10.2.5.2	The system shall maintain an archive file directory defining the physical locations of all electronic records within the system	ERA10.2.5.2	The system shall maintain an archive file directory defining the physical locations of all electronic records within the system	ERA353	1	D	Software	ERA353
ERA10.2.5.3	The system shall provide the capability to recover the archive electronic file directory	ERA10.2.5.3	The system shall provide the capability to recover the archive electronic file directory	ERA354	1	D	Software	ERA354
ERA10.2.5.3.1	The system shall provide the capability to backup the archive electronic file directory	ERA10.2.5.3	The system shall provide the capability to recover the archive electronic file directory	ERA354	1	D	Software	LM1119
ERA10.2.5.3.2	The system shall provide the capability to recover the archive electronic file directory from a backup copy	ERA10.2.5.3	The system shall provide the capability to recover the archive electronic file directory	ERA354	1	D	Software	LM1120
ERA10.2.5.3.3	The system shall provide the capability to recover the archive electronic file directory from the archive media	ERA10.2.5.3	The system shall provide the capability to recover the archive electronic file directory	ERA354	1	D	Software	LM3324
ERA10.2.6	The system shall provide the capability to track information about the movement of electronic files	ERA10.2.6	The system shall provide the capability to track information about the movement of electronic files	ERA355	1	D	Software	ERA355
ERA10.2.7	The system shall provide the capability to check the inventory of the archive against the archive electronic file directory	ERA10.2.7	The system shall provide the capability to check the inventory of the archive against the archive electronic file directory	ERA356	1	D	Software	ERA356
ERA10.2.7.1	The system shall provide the capability to identify differences between the inventory of the archive and the archive electronic file directory	ERA10.2.7	The system shall provide the capability to check the inventory of the archive against the archive electronic file directory	ERA356	1	D	Software	LM1121
ERA10.2.7.2	The system shall provide the capability to report on differences between the inventory of the archive and the archive electronic file directory	ERA10.2.7	The system shall provide the capability to check the inventory of the archive against the archive electronic file directory	ERA356	1	D	Software	LM3145



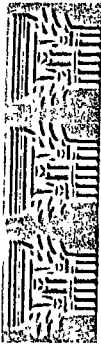
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA11	The system shall provide automated media handling	ERA11	The system shall provide automated media handling	ERA357	1	D	Hardware	ERA357
ERA11.1	The system shall provide a physical media tracking system	ERA11.1	The system shall provide a physical media tracking system	ERA358	1	D	Hardware	ERA358
ERA11.1.1	The system shall track the location of each piece of removable archival storage media from the time it is introduced into the system until it is removed from ERA	ERA11.1	The system shall provide a physical media tracking system	ERA358	1	D	Hardware, Software	LM1122
ERA11.1.2	The system shall maintain information on the current location of removable media	ERA11.1	The system shall provide a physical media tracking system	ERA358	1	D	Software	LM1123
ERA11.1.3	The system shall provide a tracking system for removable archival storage media	ERA11.1	The system shall provide a physical media tracking system	ERA358	1	D	Hardware	LM358
ERA11.2	The system shall provide the capability to print archive media identification labels	ERA11.2	The system shall provide the capability to print archive media identification labels	ERA359	1	D	Hardware	ERA359
ERA11.2.1	The system shall provide the capability to print identification labels for removable archive media	ERA11.2	The system shall provide the capability to print archive media identification labels	ERA359	1	D	Hardware	LM359
ERA11.3	The system shall provide the capability for automated access to assets stored on removable archive media	ERA11.3	The system shall provide the capability for automated access to assets stored on removable archive media	ERA360	1	D	Hardware	ERA360
ERA12	The system shall provide media management	ERA12	The system shall provide media management	ERA361	2	A	Hardware, Software	ERA361
ERA12.1	The system shall provide the capability for automated movement of electronic records to different media to accommodate new technology	ERA12.1	The system shall provide the capability for automated movement of electronic records to different media to accommodate new technology	ERA362	1	A	Hardware, Software	ERA362
ERA12.2	The system shall not modify electronic records to accommodate physical storage media	ERA12.2	The system shall not modify electronic records to accommodate physical storage media	ERA363	1	T	Software	ERA363
ERA12.2.1	The system shall provide the capability for the user to allow lossless hardware compression	ERA12.2	The system shall not modify electronic records to accommodate physical storage media	ERA363	1	T	Software	LM1125
ERA12.3	The system shall use storage media that is self-describing	ERA12.3	The system shall use storage media that is self-describing	ERA364	1	D	Software	ERA364
ERA12.3.1	The system shall use archive storage media that is self-describing	ERA12.3	The system shall use storage media that is self-describing	ERA364	1	D	Software	LM364
ERA12.4	The system shall provide tools for recovering electronic records from failed media	ERA12.4	The system shall provide tools for recovering electronic records from failed media	ERA365	1	D	Software	ERA365
ERA12.4.1	The system shall provide the capability to recover electronic records from failed media	ERA12.4	The system shall provide tools for recovering electronic records from failed media	ERA365	1	D	Software	LM1126
ERA12.4.2	The system shall provide the capability to restore an electronic record from a copy	ERA12.4	The system shall provide tools for recovering electronic records from failed media	ERA365	1	D	Software	LM1127
ERA12.5	The system shall store electronic data files such that an individual file does not span media volumes	ERA12.5	The system shall store electronic data files such that an individual file does not span media volumes	ERA366	1	T	Hardware, Software	ERA366

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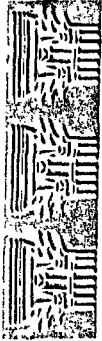


LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace- ID	Incr.	VM	Allocation	LM ID
ERA12.5.1	The system shall report to a user when an electronic record does not fit on a single storage media volume	ERA12.5	The system shall store electronic data files such that an individual file does not span media volumes	ERA366	1	D	Software	LM1128
ERA12.5.2	The system shall provide the capability for a user to allow the system to store an electronic record on multiple removable storage media when that record does not fit on a single storage medium	ERA12.5	The system shall store electronic data files such that an individual file does not span media volumes	ERA366	1	D	Software	LM1129
ERA12.5.3	The system shall include references to other media volumes in the self-describing storage media when an electronic record spans multiple media volumes	ERA12.5	The system shall store electronic data files such that an individual file does not span media volumes	ERA366	1	D	Software	LM3325
ERA12.6	The system shall provide active safeguards to protect against archive media degradation	ERA12.6	The system shall provide active safeguards to protect against archive media degradation	ERA367	1	A	Hardware	ERA367
ERA12.7	The system shall statistically monitor the raw Bit Error Rate (BER) of storage media in the archive	ERA12.7	The system shall statistically monitor the raw Bit Error Rate (BER) of storage media in the archive	ERA368	1	T	Hardware	ERA368
ERA12.8	The system shall statistically monitor the corrected Bit Error Rate (BER) of storage media in the archive	ERA12.8	The system shall statistically monitor the corrected Bit Error Rate (BER) of storage media in the archive	ERA369	1	T	Hardware	ERA369
ERA12.9	The system shall manage refreshment of archive media	ERA12.9	The system shall manage refreshment of archive media	ERA370	2	I	Hardware, Software	ERA370
ERA12.9.1	The system shall provide the capability to refresh removable archive media	ERA12.9	The system shall manage refreshment of archive media	ERA370	1	I	Software, Operations	LM1130
ERA12.9.2	The system shall provide the capability to determine when media has degraded	ERA12.9	The system shall manage refreshment of archive media	ERA370	1	I	Hardware	LM1131
ERA12.9.3	The system shall provide the capability to determine when the media has reached end-of-life based on age	ERA12.9	The system shall manage refreshment of archive media	ERA370	2	I	Hardware	LM1132
ERA12.9.4	The system shall provide the capability to determine when the media has reached end-of-life based on usage	ERA12.9	The system shall manage refreshment of archive media	ERA370	2	I	Hardware	LM1133
ERA12.9.5	The system shall provide the capability to determine when the media has failed	ERA12.9	The system shall manage refreshment of archive media	ERA370	1	I	Hardware	LM1134
ERA12.10	The system shall manage copying of archive media	ERA12.10	The system shall manage copying of archive media	ERA371	1	D	Software	ERA371
ERA12.10.1	The system shall provide the capability for copying media used in the archive to another media	ERA12.10	The system shall manage copying of archive media	ERA371	1	D	Software	LM1135
ERA12.10.2	The system shall provide the capability to export copied media	ERA12.10	The system shall manage copying of archive media	ERA371	1	D	Software, Operations	LM1136

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA12.11	The system shall provide the capability to use archive media that is capable of being manually mounted	ERA12.11	The system shall provide the capability to use archive media that is capable of being manually mounted	ERA372	1	D	Hardware	ERA372
ERA13	The system shall manage security for electronic records	ERA13	The system shall manage security for electronic records	ERA373	3	D	Software	ERA373
ERA13.1	The system shall provide the capability to manage electronic records according to the ownership of the electronic record	ERA13.1	The system shall provide the capability to manage electronic records according to the ownership of the electronic record	ERA374	1	D	Software	ERA374
ERA13.1.1	The system shall provide the capability to manage security for electronic records according to the current ownership of the electronic record	ERA13.1	The system shall provide the capability to manage electronic records according to the ownership of the electronic record	ERA374	1	D	Software	LM1065
ERA13.1.2	The system shall provide the capability to manage security for electronic records according to access policies	ERA13.1	The system shall provide the capability to manage electronic records according to the ownership of the electronic record	ERA374	1	D	Software	LM1066
ERA13.1.3	The system shall provide the capability to manage security for electronic records according to the ownership of the electronic record	ERA13.1	The system shall provide the capability to manage electronic records according to the ownership of the electronic record	ERA374	1	D	Software	LM374
ERA13.2	The system shall provide the capability to manage electronic records according to the access restrictions of the record	ERA13.2	The system shall provide the capability to manage electronic records according to the access restrictions of the record	ERA375	1	D	Hardware, Software	ERA375
ERA13.2.1	The system shall provide the capability to control data up to the Top Secret Sensitive Compartmented Information (TS/SCI) level	ERA13.2.1	The system shall provide the capability to control data up to the Top Secret Sensitive Compartmented Information (TS/SCI) level	ERA376	3	D	Software	ERA376
ERA13.2.2	The system shall physically separate records classified as Top Secret or higher from other records	ERA13.2.2	The system shall physically separate records classified as Top Secret or higher from other records	ERA377	3	1	Hardware, Software	ERA377
ERA13.3	The system shall provide the capability to recognize the access restrictions of electronic records as applied by the transferring entity	ERA13.3	The system shall provide the capability to recognize the access restrictions of electronic records as applied by the transferring entity	ERA378	1	D	Software	ERA378
ERA13.4	The system shall recognize multiple access restriction levels defined by NARA	ERA13.4	The system shall recognize multiple access restriction levels defined by NARA	ERA379	1	D	Software	ERA379
ERA13.5	The system shall provide the capability to parse the content of assets to identify potentially access restricted content	ERA13.5	The system shall provide the capability to parse the content of assets to identify potentially access restricted content	ERA380	1	D	Software	ERA380
ERA13.5.1	The system shall make recommendations as to the potential access restriction level of assets	ERA13.5.1	The system shall make recommendations as to the potential access restriction level of assets	ERA381	1	D	Software	ERA381
ERA13.5.1.1	The system shall make access restriction level recommendations based on NARA-defined rules	ERA13.5.1.1	The system shall make access restriction level recommendations based on NARA-defined rules	ERA382	1	D	Software	ERA382
ERA13.5.1.1.1	The system shall provide users the capability to update access restriction determination rules	ERA13.5.1.1	The system shall make access restriction level recommendations based on NARA-defined rules	ERA382	1	D	Software	LM1039
ERA13.5.1.1.2	The system shall provide users the capability to delete access restriction determination rules	ERA13.5.1.1	The system shall make access restriction level recommendations based on NARA-defined rules	ERA382	1	D	Software	LM1040



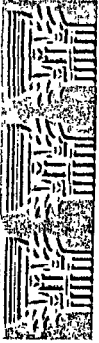
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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA13.5.1.1.3	The system shall provide users the capability to create access restriction determination rules	ERA13.5.1.1	The system shall make access restriction level recommendations based on NARA-defined rules	ERA382	1	D	Software	LM382
ERA13.5.1.2	The system shall make access restriction level recommendations based on comparing assets contents with defined lists of terms	ERA13.5.1.2	The system shall make access restriction level recommendations based on comparing assets contents with defined lists of terms	ERA383	1	D	Software	ERA383
ERA13.5.1.2.1	The system shall provide users the capability to update access restriction determination content terms	ERA13.5.1.2	The system shall make access restriction level recommendations based on comparing assets contents with defined lists of terms	ERA383	1	D	Software	LM1041
ERA13.5.1.2.2	The system shall provide users the capability to delete access restriction determination content terms	ERA13.5.1.2	The system shall make access restriction level recommendations based on comparing assets contents with defined lists of terms	ERA383	1	D	Software	LM1042
ERA13.5.1.3	The system shall make access restriction recommendations based on the results of comparing terms and executing rules against assets	ERA13.5.1	The system shall make recommendations as to the potential access restriction level of assets	ERA381	1	D	Software	LM1045
ERA13.5.2	The system shall provide the capability to report the results of parsing an asset for potentially access restricted content	ERA13.5.2	The system shall provide the capability to report the results of parsing an asset for potentially access restricted content	ERA384	1	D	Software	ERA384
ERA13.5.2.1	The system shall indicate any content it identifies as potentially access restricted	ERA13.5.2.1	The system shall indicate any content it identifies as potentially access restricted	ERA385	1	D	Software	ERA385
ERA13.5.2.2	The system shall report on the basis on which access restriction recommendations were made	ERA13.5.2.2	The system shall report on the basis on which access restriction recommendations were made	ERA386	1	D	Software	ERA386
ERA13.5.2.3	The system shall provide the capability to summarize the results of parsing an asset for potentially access restricted content	ERA13.5.2.3	The system shall provide the capability to summarize the results of parsing an asset for potentially access restricted content	ERA387	1	D	Software	ERA387
ERA13.5.2.3.1	The system shall provide the capability to display detailed results of parsing an asset for potentially access restricted content	ERA13.5.2.3	The system shall provide the capability to summarize the results of parsing an asset for potentially access restricted content	ERA387	1	D	Software	LM1046
ERA13.5.2.4	The system shall provide the capability to summarize the results of parsing a set of assets for potentially access restricted content	ERA13.5.2.4	The system shall provide the capability to summarize the results of parsing a set of assets for potentially access restricted content	ERA388	1	D	Software	ERA388
ERA13.5.2.4.1	The system shall provide the capability to display detailed results of parsing a set of assets for potentially access restricted content	ERA13.5.2.4	The system shall provide the capability to summarize the results of parsing a set of assets for potentially access restricted content	ERA388	1	D	Software	LM1047
ERA13.5.3	The system shall provide the capability for users to confirm the results of examination of assets for potentially access restricted content	ERA13.5.3	The system shall provide the capability for users to confirm the results of examination of assets for potentially access restricted content	ERA389	1	D	Software	ERA389
ERA13.5.3.1	The system shall provide the capability for users to override any access restriction recommendation made by the system	ERA13.5.3.1	The system shall provide the capability for users to override any access restriction recommendation made by the system	ERA390	1	D	Software	ERA390

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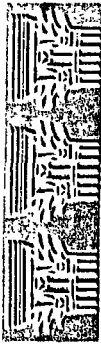
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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA13.5.3.1.1	The system shall provide the capability for users to override the annotation of content as potentially access restricted	ERA13.5.3.1.1	The system shall provide the capability for users to override the annotation of content as potentially access restricted	ERA391	1	D	Software	ERA391
ERA13.5.3.1.2	The system shall provide the capability for users to override the basis for annotating of content as potentially access restricted	ERA13.5.3.1.2	The system shall provide the capability for users to override the basis for annotating of content as potentially access restricted	ERA392	1	D	Software	ERA392
ERA13.5.3.2	The system shall provide the capability for users to accept an access restriction recommendation made by the system	ERA13.5.3	The system shall provide the capability for users to confirm the results of examination of assets for potentially access restricted content	ERA389	1	D	Software	LM1048
ERA13.5.4	The system shall compare access restriction determination terms against assets	ERA13.5.1	The system shall make recommendations as to the potential access restriction level of assets	ERA381	1	D	Software	LM1043
ERA13.5.5	The system shall execute access restriction determination rules against assets	ERA13.5.1	The system shall make recommendations as to the potential access restriction level of assets	ERA381	1	T	Software	LM1044
ERA13.6	The system shall provide the capability for users to designate the potential access restrictions of assets	ERA13.6	The system shall provide the capability for users to designate the potential access restrictions of assets	ERA393	1	D	Software	ERA393
ERA13.6.1	The system shall provide the capability for users to annotate any portion of the content of an asset as potentially access restricted	ERA13.6.1	The system shall provide the capability for users to annotate any portion of the content of an asset as potentially access restricted	ERA394	1	D	Software	ERA394
ERA13.6.2	The system shall provide the capability for users to annotate the content of an asset as potentially access restricted using any defined level of access restriction	ERA13.6.2	The system shall provide the capability for users to annotate the content of an asset as potentially access restricted using any defined level of access restriction	ERA395	1	D	Software	ERA395
ERA13.6.3	The system shall provide the capability for users to indicate the basis for annotating content as potentially access restricted	ERA13.6.3	The system shall provide the capability for users to indicate the basis for annotating content as potentially access restricted	ERA396	1	D	Software	ERA396
ERA13.6.4	The system shall provide the capability for users to remove potential access restriction annotations	ERA13.6.4	The system shall provide the capability for users to remove potential access restriction annotations	ERA397	1	D	Software	ERA397
ERA13.7	The system shall segregate electronic records during ingest based on potential access restrictions	ERA13.7	The system shall segregate electronic records during ingest based on potential access restrictions	ERA398	1	D	Operations	ERA398
ERA13.7.1	The system shall separate incoming assets of undetermined access restrictions from the rest of ERA's assets until the access restrictions of the incoming assets can be determined	ERA13.7.1	The system shall separate incoming assets of undetermined access restrictions from the rest of ERA's assets until the access restrictions of the incoming assets can be determined	ERA399	1	D	Operations	ERA399
ERA13.7.2	The system shall store assets that have been identified as potentially access restricted in a separate area pending review	ERA13.7.2	The system shall store assets that have been identified as potentially access restricted in a separate area pending review	ERA400	1	D	Operations	ERA400
ERA13.7.3	The system shall provide the capability to segregate electronic records based upon access restrictions	ERA13.7	The system shall segregate electronic records during ingest based on potential access restrictions	ERA398	1	D	Operations	LM3383

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA13.8	The system shall process electronic records in environments appropriate to their stated access restrictions	ERA13.8	The system shall process electronic records in environments appropriate to their stated access restrictions	ERA401	1	I	Operations	ERA401
ERA13.9	The system shall prohibit unauthorized alteration of electronic records	ERA13.9	The system shall prohibit unauthorized alteration of electronic records	ERA402	1	T	Software	ERA402
ERA13.10	The system shall prohibit unauthorized alteration of system data	ERA13.10	The system shall prohibit unauthorized alteration of system data	ERA403	1	T	Software	ERA403
ERA13.11	The system shall provide the capability for non-repudiation at the electronic record level	ERA13.11	The system shall provide the capability for non-repudiation at the electronic record level	ERA404	1	D	Software	ERA404
ERA13.12	The system shall store accessed electronic records in a non-encrypted state	ERA13.12	The system shall store accessed electronic records in a non-encrypted state	ERA405	1	T	Software, Operations	ERA405
ERA13.13	The system shall provide the capability for configurable data access control schemes	ERA13.13	The system shall provide the capability for configurable data access control schemes	ERA406	1	I	Software	ERA406
ERA13.13.1	The system shall assign access control privileges according to a user's identity	ERA13.13.1	The system shall assign access control privileges according to a user's identity	ERA407	1	D	Software	ERA407
ERA13.13.2	The system shall provide the capability for user group access control	ERA13.13.2	The system shall provide the capability for user group access control	ERA408	1	D	Software	ERA408
ERA13.13.3	The system shall provide the capability to determine a user's identity through the use of strong authentication technology	ERA13.13.3	The system shall provide the capability to determine a user's identity through the use of strong authentication technology	ERA409	1	D	Software	ERA409
ERA13.13.4	The system shall control access to electronic records according to access restrictions	ERA13.13.4	The system shall control access to electronic records according to access restrictions	ERA410	1	D	Software	ERA410
ERA13.13.5	The system shall control access to electronic records according to ownership rights	ERA13.13.5	The system shall control access to electronic records according to ownership rights	ERA411	1	D	Software	ERA411
ERA14	The system shall provide security for itself	ERA14	The system shall provide security for itself	ERA412	1	T	Software	ERA412
ERA14.1	The system shall prevent unauthorized system access	ERA14.1	The system shall prevent unauthorized system access	ERA413	1	T	Hardware, Software, Operations	ERA413
ERA14.1.1	The system shall prevent unauthorized physical access to the data-center	ERA14.1	The system shall prevent unauthorized system access	ERA413	1	T	Hardware, Operations	LM1070
ERA14.1.2	The system shall prevent unauthorized network access	ERA14.1	The system shall prevent unauthorized system access	ERA413	1	T	Software	LM1071
ERA14.1.3	The system shall prevent unauthorized access to services	ERA14.1	The system shall prevent unauthorized system access	ERA413	1	T	Software	LM1072
ERA14.1.4	The system shall prevent unauthorized access to data	ERA14.1	The system shall prevent unauthorized system access	ERA413	1	T	Software	LM3146
ERA14.1.5	The system shall prevent unauthorized system access in accordance with the Security Plan	ERA14.1	The system shall prevent unauthorized system access	ERA413	1	T	Hardware, Software, Operations	LM413
ERA14.2	The system shall provide intrusion deterrence	ERA14.2	The system shall provide intrusion deterrence	ERA414	1	T	Hardware, Software	ERA414

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ERA14.2.1	The system shall provide deterrence to physical intrusion to the data-center	ERA14.2	The system shall provide intrusion deterrence	ERA414	1	T	Hardware, Operations	LM1073
ERA14.2.2	The system shall provide deterrence to network intrusion	ERA14.2	The system shall provide intrusion deterrence	ERA414	1	T	Software	LM1074
ERA14.2.3	The system shall provide deterrence to service intrusion	ERA14.2	The system shall provide intrusion deterrence	ERA414	1	T	Software	LM1075
ERA14.2.4	The system shall provide deterrence to data intrusion	ERA14.2	The system shall provide intrusion deterrence	ERA414	1	T	Software	LM3147
ERA14.3	The system shall provide intrusion detection	ERA14.3	The system shall provide intrusion detection	ERA415	1	T	Software	ERA415
ERA14.3.1	The system shall identify occurrences of attempted intrusions	ERA14.3.1	The system shall identify occurrences of attempted intrusions	ERA416	1	T	Hardware, Software	ERA416
ERA14.3.1.1	The system shall identify occurrences of unsuccessful physical intrusion to the data-center	ERA14.3.1	The system shall identify occurrences of attempted intrusions	ERA416	1	T	Hardware, Operations	LM1076
ERA14.3.1.2	The system shall identify occurrences of unsuccessful network intrusion	ERA14.3.1	The system shall identify occurrences of attempted intrusions	ERA416	1	T	Hardware	LM1077
ERA14.3.1.3	The system shall identify occurrences of unsuccessful service intrusion	ERA14.3.1	The system shall identify occurrences of attempted intrusions	ERA416	1	T	Software	LM1078
ERA14.3.1.4	The system shall identify occurrences of unsuccessful data intrusion	ERA14.3.1	The system shall identify occurrences of attempted intrusions	ERA416	1	T	Software	LM3148
ERA14.3.1.5	The system shall identify occurrences of unsuccessful intrusions	ERA14.3.1	The system shall identify occurrences of attempted intrusions	ERA416	1	T	Hardware, Software	LM416
ERA14.3.2	The system shall identify occurrences of successful intrusions	ERA14.3.2	The system shall identify occurrences of successful intrusions	ERA417	1	T	Hardware, Software	ERA417
ERA14.3.2.1	The system shall identify occurrences of successful physical intrusion to the data-center	ERA14.3.2	The system shall identify occurrences of successful intrusions	ERA417	1	T	Hardware, Operations	LM1079
ERA14.3.2.2	The system shall identify occurrences of successful network intrusion	ERA14.3.2	The system shall identify occurrences of successful intrusions	ERA417	1	T	Hardware	LM1080
ERA14.3.2.3	The system shall identify occurrences of successful service intrusion	ERA14.3.2	The system shall identify occurrences of successful intrusions	ERA417	1	T	Software	LM1081
ERA14.3.2.4	The system shall identify occurrences of successful data intrusion	ERA14.3.2	The system shall identify occurrences of successful intrusions	ERA417	1	T	Software	LM3149
ERA14.4	The system shall provide data confidentiality of all potentially access restricted information that is exchanged between the system and any other system	ERA14.4	The system shall provide data confidentiality of all potentially access restricted information that is exchanged between the system and any other system	ERA418	1	D	Hardware	ERA418
ERA14.4.1	The system shall provide data confidentiality of potentially access restricted information that is exchanged between the system and systems that comply with the the Interface Requirements Specification	ERA14.4	The system shall provide data confidentiality of all potentially access restricted information that is exchanged between the system and any other system	ERA418	1	D	Hardware	LM418
ERA14.5	The system shall provide virus detection	ERA14.5	The system shall provide virus detection	ERA419	1	T	Software	ERA419
ERA14.6	The system shall provide virus elimination	ERA14.6	The system shall provide virus elimination	ERA420	1	T	Software	ERA420

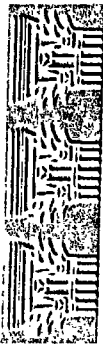
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ERA14.6.1	The system shall provide the capability to quarantine files where removing the virus would damage the file	ERA14.6	The system shall provide virus elimination	ERA420	1	T	Software	LM1049
ERA14.6.2	The system shall provide the capability to remove viruses where doing so will not damage the file	ERA14.6	The system shall provide virus elimination	ERA420	1	T	Software	LM420
ERA14.7	The system shall operate in accordance with applicable security guidance and rules	ERA14.7	The system shall operate in accordance with applicable security guidance and rules	ERA421	1	I	Software	ERA421
ERA14.7.1	The system shall operate in accordance with the Federal Information Security Management Act of 2002 (FISMA)	ERA14.7.1	The system shall operate in accordance with the Federal Information Security Management Act of 2002 (FISMA)	ERA422	1	I	Operations	ERA422
ERA14.7.2	The system shall operate in accordance with the NARA Policy Directive, NARA 804, Information Technology Systems Security Handbook	ERA14.7.2	The system shall operate in accordance with the NARA Policy Directive, NARA 804, Information Technology Systems Security Handbook	ERA423	1	I	Operations	ERA423
ERA14.8	The system shall employ strong authentication techniques when exchanging data with other systems	ERA14.8	The system shall employ strong authentication techniques when exchanging data with other systems	ERA424	1	D	Software	ERA424
ERA14.8.1	The system shall employ strong authentication techniques when exchanging data with other systems that can accommodate strong authentication according to the Interface Requirements Specification	ERA14.8	The system shall employ strong authentication techniques when exchanging data with other systems	ERA424	1	D	Software	LM424
ERA14.9	The system shall provide the capability for backup of ERA	ERA14.9	The system shall provide the capability for backup of ERA	ERA425	1	D	Software	ERA425
ERA14.9.1	The system shall provide the capability for the backup of all COTS products files required to re-establish ERA	ERA14.9.1	The system shall provide the capability for the backup of all COTS products files required to re-establish ERA	ERA426	1	D	Software	ERA426
ERA14.9.2	The system shall provide the capability for the backup of all application files required to rebuild ERA	ERA14.9.2	The system shall provide the capability for the backup of all application files required to rebuild ERA	ERA427	1	D	Software	ERA427
ERA14.9.3	The system shall provide the capability for the backup of all configuration support files required to rebuild ERA	ERA14.9.3	The system shall provide the capability for the backup of all configuration support files required to rebuild ERA	ERA428	1	D	Software	ERA428
ERA14.9.4	The system shall provide the capability for the backup of dynamically persisted system data required to rebuild ERA	ERA14.9.4	The system shall provide the capability for the backup of dynamically persisted system data required to rebuild ERA	ERA425	1	D	Software	LM3384
ERA14.10	The system shall control access to services based on user privileges	ERA14.10	The system shall control access to services based on user privileges	ERA429	1	D	Software	ERA429
ERA14.10.1	The system shall control access to service privileges according to Boolean combinations of group membership	ERA14.10.1	The system shall control access to service privileges according to Boolean combinations of group membership	ERA430	1	D	Software	ERA430

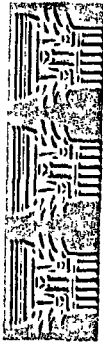
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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA14.11	The system shall control access to records lifecycle data based on a user's access privileges	ERA14.11	The system shall control access to records lifecycle data based on a user's access privileges	ERA431	1	D	Software	ERA431
ERA14.12	The system shall provide the capability to change a user's access privileges	ERA14.12	The system shall provide the capability to change a user's access privileges	ERA432	1	D	Software	ERA432
ERA14.12.1	The system shall provide the capability to grant an individual access privilege for a user	ERA14.12	The system shall provide the capability to change a user's access privileges	ERA432	1	D	Software	LM1082
ERA14.12.2	The system shall provide the capability to change an individual access privilege for a user	ERA14.12	The system shall provide the capability to change a user's access privileges	ERA432	1	D	Software	LM1083
ERA14.12.3	The system shall provide the capability to revoke all access privileges for a user	ERA14.12	The system shall provide the capability to change a user's access privileges	ERA432	1	D	Software	LM1084
ERA14.13	The system shall provide the capability to associate user privilege sets with sets of electronic records	ERA14.13	The system shall provide the capability to associate user privilege sets with sets of electronic records	ERA433	1	D	Software	ERA433
ERA14.14	The system shall provide the capability to manage access privileges for groups of users	ERA14.14	The system shall provide the capability to manage access privileges for groups of users	ERA434	1	D	Software	ERA434
ERA14.14.1	The system shall provide the capability for a user to be a member of multiple groups	ERA14.14.1	The system shall provide the capability for a user to be a member of multiple groups	ERA435	1	D	Software	ERA435
ERA14.14.2	The system shall provide the capability to change access privileges for an entire group of users	ERA14.14.2	The system shall provide the capability to change access privileges for an entire group of users	ERA436	1	D	Software	ERA436
ERA14.14.3	The system shall apply access privileges for users who are members of multiple groups according to policy	ERA14.14	The system shall provide the capability to manage access privileges for groups of users	ERA434	1	T	Software	LM1139
ERA14.15	The system shall provide the capability for recovery of ERA	ERA14.15	The system shall provide the capability for recovery of ERA	ERA437	1	T	Operations	ERA437
ERA14.15.1	The system shall provide the capability to recover all COTS products files required to re-establish ERA	ERA14.15.1	The system shall provide the capability to recover all COTS products files required to re-establish ERA	ERA438	1	T	Operations	ERA438
ERA14.15.1.1	The system shall provide the capability to re-build COTS product files to the state necessary to re-establish ERA according to performance specification requirements for the ERA system	ERA14.15.1	The system shall provide the capability to recover all COTS products files required to re-establish ERA	ERA438	1	T	Operations	LM438
ERA14.15.2	The system shall provide the capability to recover all application files required to re-establish ERA	ERA14.15.2	The system shall provide the capability to recover all application files required to re-establish ERA	ERA439	1	T	Operations	ERA439
ERA14.15.2.1	The system shall provide the capability to re-build application files to the state necessary to re-establish ERA according to performance specification requirements for the ERA	ERA14.15.2	The system shall provide the capability to recover all application files required to re-establish ERA	ERA439	1	T	Operations	LM439

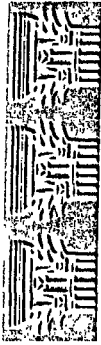
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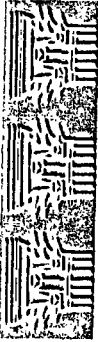
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA14.15.3	The system shall provide the capability to recover all configuration support files required to re-establish ERA	ERA14.15.3	The system shall provide the capability to recover all configuration support files required to re-establish ERA	ERA440	1	T	Operations	ERA440
ERA14.15.3.1	The system shall provide the capability to re-build configuration support files to the state necessary to re-establish ERA according to performance specification requirements for the ERA system	ERA14.15.3	The system shall provide the capability to recover all configuration support files required to re-establish ERA	ERA440	1	T	Operations	LM440
ERA14.15.4	The system shall provide the capability to recover from a hardware failure as required to re-establish ERA	ERA14.15	The system shall provide the capability for recovery of ERA	ERA437	1	D	Operations	LM1141
ERA14.15.5	The system shall provide the capability to recover from a physical site outage as required to re-establish ERA	ERA14.15	The system shall provide the capability for recovery of ERA	ERA437	1	I	Operations	LM1142
ERA14.15.6	The system shall provide the capability to recover network services required to re-establish ERA	ERA14.15	The system shall provide the capability for recovery of ERA	ERA437	1	I	Operations	LM1143
ERA15	The system shall accept all types of electronic records	ERA15	The system shall accept all types of electronic records	ERA441	1	A	Software	ERA441
ERA15.1	The system shall accept all electronic record types	ERA15.1	The system shall accept all electronic record types	ERA442	1	A	Software	ERA442
ERA15.1.1	The system shall accept all data types in which electronic records are written	ERA15.1.1	The system shall accept all data types in which electronic records are written	ERA443	1	A	Software	ERA443
ERA15.1.1.1	The system shall ingest electronic records independent of their data type	ERA15.1.1	The system shall accept all data types in which electronic records are written	ERA443	1	A	Software	LM443
ERA15.1.2	The system shall ingest all electronic record types	ERA15.1	The system shall accept all electronic record types	ERA442	1	A	Software	LM442
ERA15.2	The system shall accept electronic records that are composed of more than one digital component	ERA15.2	The system shall accept electronic records that are composed of more than one digital component	ERA444	1	D	Software	ERA444
ERA15.2.1	The system shall retain the relationships between the digital components of an electronic record	ERA15.2.1	The system shall retain the relationships between the digital components of an electronic record	ERA445	1	D	Software	ERA445
ERA15.3	The system shall provide the capability to identify the data type of any electronic record	ERA15.3	The system shall provide the capability to identify the data type of any electronic record	ERA446	1	D	Software	ERA446
ERA15.4	The system shall provide the capability to identify the data type of any component of an electronic record	ERA15.4	The system shall provide the capability to identify the data type of any component of an electronic record	ERA447	1	T	Software	ERA447
ERA15.4.1	The system shall provide the capability to identify the data type of a digital component of an electronic record	ERA15.4	The system shall provide the capability to identify the data type of any component of an electronic record	ERA447	1	T	Software	LM447
ERA16	The system shall provide the capability to transfer electronic records to ERA	ERA16	The system shall provide the capability to transfer electronic records to ERA	ERA448	1	D	Software	ERA448





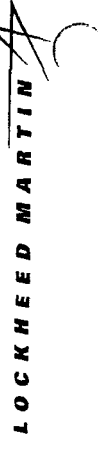
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA16.1	The system shall accept electronic records transferred via physical media	ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	1	D	Operations	ERA449
ERA16.1.1	The system shall provide the capability to track the location of transfer media containing electronic records prior to the ingest of the records into ERA	ERA16.1.1	The system shall provide the capability to track the location of transfer media containing electronic records prior to the ingest of the records into ERA	ERA450	1	D	Software	ERA450
ERA16.1.2	The system shall provide the capability to create records lifecycle metadata from media inventory data	ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	1	T	Software	LM1144
ERA16.1.3	The system shall provide the capability to copy the files from supplied physical media into the ERA system	ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	1	T	Hardware	LM1145
ERA16.1.4	The system shall provide the capability to prioritize processing of physical media based upon transfer request	ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	1	T	Operations	LM1146
ERA16.1.5	The system shall provide the capability to prioritize processing of physical media based upon media type	ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	1	T	Operations	LM3150
ERA16.1.6	The system shall provide the capability to store physical media according to transfer agreement	ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	1	T	Operations	LM1147
ERA16.1.7	The system shall provide the capability to transfer physical media content to another media type	ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	1	T	Hardware	LM1148
ERA16.1.8	The system shall provide the capability to indicate that electronic records are ready for ingest into ERA	ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	1	T	Software	LM1149
ERA16.1.9	The system shall provide the capability to return the physical media to the transferring entity	ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	1	D	Operations	LM1150
ERA16.1.10	The system shall provide the capability to destroy the physical media according to the transfer agreement	ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	1	I	Operations	LM1151
ERA16.2	The system shall provide the capability to accept transfers electronically	ERA16.2	The system shall provide the capability to accept transfers electronically	ERA451	1	D	Software	ERA451
ERA16.2.1	The system shall provide the capability for NARA-initiated transfers	ERA16.2.1	The system shall provide the capability for NARA-initiated transfers	ERA452	1	D	Software	ERA452
ERA16.2.1.1	The system shall provide the capability to accept NARA-initiated transfers, in accordance with the Interface Requirements Specification	ERA16.2.1	The system shall provide the capability for NARA-initiated transfers	ERA452	1	D	Software	LM452
ERA16.2.2	The system shall provide the capability for transferring entity initiated transfers	ERA16.2.2	The system shall provide the capability for transferring entity initiated transfers	ERA453	1	D	Software	ERA453

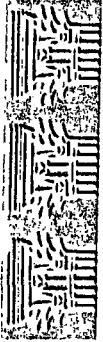
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ERA16.2.2.1	The system shall provide the capability to accept transferring entity initiated transfers, in accordance with the Interface Requirements Specification	ERA16.2.2	The system shall provide the capability for transferring entity initiated transfers	ERA453	1	D	Software	LM453
ERA16.2.3	The system shall provide the capability for a user to cancel a transfer in progress	ERA16.2	The system shall provide the capability to accept transfers electronically	ERA451	1	D	Software	LM3326
ERA16.2.4	The system shall provide a user with an estimate of the time required to complete a transfer	ERA16.2	The system shall provide the capability to accept transfers electronically	ERA451	1	D	Software	LM3327
ERA16.3	The system shall confirm the success of the transfer	ERA16.3	The system shall confirm the success of the transfer	ERA454	1	T	Software	ERA454
ERA16.3.1	The system shall check electronic records contained in a transfer	ERA16.3.1	The system shall check electronic records contained in a transfer	ERA455	1	D	Software	ERA455
ERA16.3.1.1	The system shall verify the data files associated with electronic records contained in a transfer	ERA16.3.1	The system shall check electronic records contained in a transfer	ERA455	1	D	Software	LM455
ERA16.3.2	The system shall report discrepancies found with the transfer	ERA16.3.2	The system shall report discrepancies found with the transfer	ERA456	1	D	Software	ERA456
ERA16.3.2.1	The system shall report discrepancies found between the transfer and the transfer agreement	ERA16.3.2	The system shall report discrepancies found with the transfer	ERA456	1	D	Software	LM456
ERA16.3.3	The system shall apply Error Detection and Correction (EDAC) technology to transfers	ERA16.3.3	The system shall apply Error Detection and Correction (EDAC) technology to transfers	ERA457	1	T	Software	ERA457
ERA16.3.4	The system shall provide the capability to verify that transfer media contents match the transfer agreement	ERA16.3	The system shall confirm the success of the transfer	ERA454	1	D	Software	LM1152
ERA16.3.5	The system shall confirm the success of the transfer to the sending party, in accordance with the Interface Requirements Specification	ERA16.3	The system shall confirm the success of the transfer	ERA454	1	T	Software	LM454
ERA16.4	The system shall use templates to check that the transfer contained what was specified in the disposition agreement	ERA16.4	The system shall use templates to check that the transfer contained what was specified in the disposition agreement	ERA458	1	T	Software	ERA458
ERA16.4.1	The system shall check that the transfer contains all files identified in the disposition agreement	ERA16.4.1	The system shall check that the transfer contains all files identified in the disposition agreement	ERA459	1	T	Software	ERA459
ERA16.4.2	The system shall check the data type of each file in the transfer	ERA16.4.2	The system shall check the data type of each file in the transfer	ERA460	1	T	Software	ERA460
ERA16.5	The system shall use templates to check the archival properties of transferred electronic records	ERA16.5	The system shall use templates to check the archival properties of transferred electronic records	ERA461	2	T	Software	ERA461
ERA16.5.1	The system shall use templates to check the structure of transferred electronic records	ERA16.5.1	The system shall use templates to check the structure of transferred electronic records	ERA462	2	T	Software	ERA462
ERA16.5.2	The system shall use templates to check the representation information of transferred electronic records	ERA16.5.2	The system shall use templates to check the representation information of transferred electronic records	ERA463	2	T	Software	ERA463

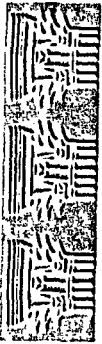
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ERA16 5.3	The system shall use templates to check the arrangement of an aggregate of transferred electronic records	ERA16.5.3	The system shall use templates to check the arrangement of an aggregate of transferred electronic records	ERA464	2	T	Software	ERA464
ERA16 6	The system shall provide the capability for inclusion of information about sets of records in a transfer	ERA16.6	The system shall provide the capability for inclusion of information about sets of records in a transfer	ERA465	1	D	Software	ERA465
ERA16 6.1	The system shall provide the capability for inclusion of information about the arrangement of sets of records in a transfer	ERA16.6.1	The system shall provide the capability for inclusion of information about the arrangement of sets of records in a transfer	ERA466	1	D	Software	ERA466
ERA16 6.1.1	The system shall provide the capability for inclusion of information about the arrangement of sets of records in a transfer, in accordance with the Interface Requirements Specification	ERA16.6.1	The system shall provide the capability for inclusion of information about the arrangement of sets of records in a transfer	ERA466	1	D	Software	LM466
ERA16.6.2	The system shall provide the capability for inclusion of DOD-STD 5015.2 record profiles for records in a transfer	ERA16.6.2	The system shall provide the capability for inclusion of DOD-STD 5015.2 record profiles for records in a transfer	ERA467	2	A	Software	ERA467
ERA16 6.2.1	The system shall provide the capability for inclusion of DOD-STD 5015.2 record profiles for records in a transfer, in accordance with the Interface Requirements Specification	ERA16.6.2	The system shall provide the capability for inclusion of DOD-STD 5015.2 record profiles for records in a transfer	ERA467	2	A	Software	LM467
ERA16 6.3	The system shall provide the capability for inclusion of information about sets of records in a transfer, in accordance with the Interface Requirements Specification	ERA16.6	The system shall provide the capability for inclusion of information about sets of records in a transfer	ERA465	1	D	Software	LM465
ERA16.7	The system shall provide the capability to transfer electronic records to ERA, in accordance with the Interface Requirements Specification	ERA16	The system shall provide the capability to transfer electronic records to ERA	ERA448	1	D	Software	LM448
ERA17	The system shall provide the capability for access review of the assets it contains	ERA17	The system shall provide the capability for access review of the assets it contains	ERA468	2	D	Software	ERA468
ERA17.1	The system shall assist with review determinations	ERA17.1	The system shall assist with review determinations	ERA469	2	D	Software	ERA469
ERA17 1.1	The system shall provide the capability to identify differences in access review determinations applied to copies of the same asset	ERA17.1.1	The system shall provide the capability to identify differences in access review determinations applied to copies of the same asset	ERA470	2	D	Software	ERA470
ERA17.1.1.1	The system shall provide the capability to notify the access reviewer of differences in access review determinations applied to copies of the same asset	ERA17 1.1	The system shall provide the capability to identify differences in access review determinations applied to copies of the same asset	ERA470	2	D	Software	LM1254
ERA17 1.2	The system shall provide the capability to identify differences in classifications applied to copies of the same asset	ERA17.1.2	The system shall provide the capability to identify differences in classifications applied to copies of the same asset	ERA471	2	D	Software	ERA471

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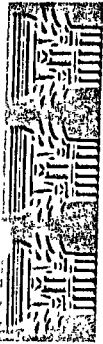
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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA17.1.2.1	The system shall provide the capability to notify the access reviewer of differences in classifications applied to copies of the same asset	ERA17.1.2	The system shall provide the capability to identify differences in classifications applied to copies of the same asset	ERA471	2	D	Software	LM1255
ERA17.1.3	The system shall provide the capability to recognize potentially access restricted assets	ERA17.1.3	The system shall provide the capability to recognize potentially access restricted assets	ERA472	2	D	Software	ERA472
ERA17.1.4	The system shall notify the access reviewer of the existence of potentially access restricted electronic records	ERA17.1.4	The system shall notify the access reviewer of the existence of potentially access restricted electronic records	ERA473	2	D	Software	ERA473
ERA17.1.4.1	The system shall notify the access reviewer of the existence of potentially access restricted electronic records within a unit of work	ERA17.1.4	The system shall notify the access reviewer of the existence of potentially access restricted electronic records	ERA473	2	D	Software	LM473
ERA17.1.5	The system shall provide the capability to assist in determining whether the same electronic records have been released previously	ERA17.1.5	The system shall provide the capability to assist in determining whether the same electronic records have been released previously	ERA474	2	D	Software	ERA474
ERA17.1.6	The system shall provide the capability to assist in determining whether the same assets have been released previously	ERA17.1.6	The system shall provide the capability to assist in determining whether the same assets have been released previously	ERA475	2	D	Software	ERA475
ERA17.1.7	The system shall provide a reference capability containing statutes and guidance relevant to the access review process	ERA17.1.7	The system shall provide a reference capability containing statutes and guidance relevant to the access review process	ERA476	2	D	Software	ERA476
ERA17.1.8	The system shall provide the capability to assign access review requests to a user group	ERA17.1	The system shall assist with review determinations	ERA469	2	D	Software	LM1256
ERA17.1.9	The system shall provide the capability to collaborate with equity holders	ERA17.1	The system shall assist with review determinations	ERA469	2	D	Software	LM1257
ERA17.1.9.1	The system shall provide the capability to identify equity holders for assets undergoing access review	ERA17.1	The system shall assist with review determinations	ERA469	2	D	Software	LM1258
ERA17.1.9.2	The system shall provide the capability to create a review request to equity holders for assets undergoing access review	ERA17.1	The system shall assist with review determinations	ERA469	2	D	Software	LM1259
ERA17.1.9.3	The system shall provide the capability to track the status of requests to equity holders in an access review process	ERA17.1	The system shall assist with review determinations	ERA469	2	D	Software	LM1260
ERA17.1.9.4	The system shall provide the capability to capture proposed equity holder feedback	ERA17.1	The system shall assist with review determinations	ERA469	2	D	Software	LM1261
ERA17.1.9.5	The system shall provide the capability for a user to collate the guidance and proposed redactions from equity holder reviewers	ERA17.1	The system shall assist with review determinations	ERA469	2	D	Software	LM1262
ERA17.1.9.6	The system shall provide the capability to terminate a request to equity holders in an access review process	ERA17.1	The system shall assist with review determinations	ERA469	2	D	Software	LM1263

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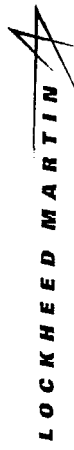
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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA17.1.9.7	The system shall provide the capability to modify a review request to equity holders for assets undergoing access review	ERA17.1	The system shall assist with review determinations	ERA469	2	D	Software	LM3151
ERA17.2	The system shall capture the results of the access review	ERA17.2	The system shall capture the results of the access review	ERA477	2	D	Software	ERA477
ERA17.2.1	The system shall capture the review determination	ERA17.2.1	The system shall capture the review determination	ERA478	2	D	Software	ERA478
ERA17.2.2	The system shall capture the reason for the review determination	ERA17.2.2	The system shall capture the reason for the review determination	ERA479	2	D	Software	ERA479
ERA17.2.2.1	The system shall capture the reasons for the review determination as provided by the reviewers	ERA17.2.2.1	The system shall capture the reason for the review determination	ERA479	2	D	Software	LM479
ERA17.2.3	The system shall link the review determination to the affected electronic record	ERA17.2.3	The system shall link the review determination to the affected electronic record	ERA480	2	D	Software	ERA480
ERA17.2.4	The system shall capture the identity of the authors of the review determination	ERA17.2.4	The system shall capture the results of the access review	ERA477	2	D	Software	LM1264
ERA17.2.5	The system shall capture the date and time when the review determination was finalized	ERA17.2.5	The system shall capture the results of the access review	ERA477	2	D	Software	LM1265
ERA17.2.6	The system shall capture the status of an access review	ERA17.2.6	The system shall capture the results of the access review	ERA477	2	D	Software	LM1266
ERA17.3	The system shall produce notifications that additional reviewers need to perform a review	ERA17.3	The system shall produce notifications that additional reviewers need to perform a review	ERA481	2	D	Software	ERA481
ERA17.3.1	The system shall provide the capability for a user to identify additional equity holders	ERA17.3.1	The system shall produce notifications that additional reviewers need to perform a review	ERA481	2	D	Software	LM1267
ERA17.3.2	The system shall provide the capability for a user to add additional equity holders to a review list	ERA17.3.2	The system shall produce notifications that additional reviewers need to perform a review	ERA481	2	D	Software	LM1268
ERA17.4	The system shall provide the capability to change a review determination over time	ERA17.4	The system shall provide the capability to change a review determination over time	ERA482	2	D	Software	ERA482
ERA17.4.1	The system shall display the review determination history of an electronic record upon request	ERA17.4.1	The system shall display the review determination history of an electronic record upon request	ERA483	2	D	Software	ERA483
ERA17.5	The system shall provide the capability to declassify assets	ERA17.5	The system shall provide the capability to declassify assets	ERA484	2	D	Software	ERA484
ERA17.5.1	The system shall provide the capability to declassify individual records	ERA17.5.1	The system shall provide the capability to declassify individual records	ERA485	2	D	Software	ERA485
ERA17.5.2	The system shall provide the capability to declassify sets of records	ERA17.5.2	The system shall provide the capability to declassify sets of records	ERA486	2	D	Software	ERA486
ERA17.5.3	The system shall capture declassification information	ERA17.5.3	The system shall capture declassification information	ERA487	2	D	Software	ERA487
ERA17.5.4	The system shall provide the capability to identify assets eligible for update of their classification as determined by their disposition agreement	ERA17.5.4	The system shall provide the capability to declassify assets	ERA484	2	D	Software	LM1269

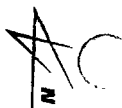
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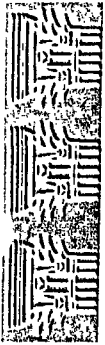




LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA17.5.5	The system shall provide the capability to identify assets eligible for update of their classification as determined by their transfer agreement	ERA17.5	The system shall provide the capability to declassify assets	ERA484	2	D	Software	LM3178
ERA17.5.6	The system shall provide the capability to identify assets eligible for update of their classification as determined by legislation	ERA17.5	The system shall provide the capability to declassify assets	ERA484	2	D	Software	LM3179
ERA17.5.7	The system shall provide the capability to identify assets eligible for update of their classification as determined by regulations	ERA17.5	The system shall provide the capability to declassify assets	ERA484	2	D	Software	LM3180
ERA17.5.8	The system shall provide the capability to identify assets eligible for update of their classification as determined by the originating entity	ERA17.5	The system shall provide the capability to declassify assets	ERA484	2	D	Software	LM3328
ERA17.6	The system shall manage review determinations	ERA17.6	The system shall manage review determinations	ERA488	2	D	Software	ERA488
ERA17.6.1	The system shall provide the capability to define new review determinations	ERA17.6.1	The system shall provide the capability to define new review determinations	ERA489	2	D	Software	ERA489
ERA17.6.2	The system shall provide the capability to update available review determinations	ERA17.6.2	The system shall provide the capability to update available review determinations	ERA490	2	D	Software	ERA490
ERA17.6.3	The system shall provide the capability to delete available review determinations	ERA17.6.3	The system shall provide the capability to delete available review determinations	ERA491	2	D	Software	ERA491
ERA17.6.4	The system shall provide the capability for a review determination of "fully release"	ERA17.6.4	The system shall provide the capability for a review determination of "fully release"	ERA492	2	D	Software	ERA492
ERA17.6.5	The system shall provide the capability for a review determination of "partially release"	ERA17.6.5	The system shall provide the capability for a review determination of "partially release"	ERA493	2	D	Software	ERA493
ERA17.6.6	The system shall provide the capability for a review determination of "redact"	ERA17.6.6	The system shall provide the capability for a review determination of "redact"	ERA494	2	D	Software	ERA494
ERA17.6.7	The system shall provide the capability for a review determination of "withhold"	ERA17.6.7	The system shall provide the capability for a review determination of "withhold"	ERA495	2	D	Software	ERA495
ERA17.6.7.1	The system shall provide the capability to create a placeholder for withheld electronic records indicating reasons for withholding	ERA17.6.7.1	The system shall provide the capability to create a placeholder for withheld electronic records indicating reasons for withholding	ERA496	2	D	Software	ERA496
ERA17.6.8	The system shall provide the capability for a review determination of "withdraw"	ERA17.6.8	The system shall provide the capability for a review determination of "withdraw"	ERA497	2	D	Software	ERA497
ERA17.6.9	The system shall provide the capability to view available review determination types	ERA17.6	The system shall manage review determinations	ERA488	2	D	Software	LM1270
ERA17.7	The system shall provide the capability to manage an access review process on an access review case	ERA17	The system shall provide the capability for access review of the assets it contains	ERA468	2	D	Software	LM1271
ERA17.7.1	The system shall provide the capability to capture the status of each item within an access review case	ERA17	The system shall provide the capability for access review of the assets it contains	ERA468	2	D	Software	LM1272

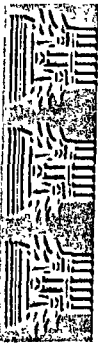
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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA17.7.2	The system shall provide the capability to apply a review determination at the item level in an access review case	ERA17	The system shall provide the capability for access review of the assets it contains	ERA468	2	D	Software	LM1273
ERA17.7.3	The system shall provide the capability to capture the status of the access review case	ERA17	The system shall provide the capability for access review of the assets it contains	ERA468	2	D	Software	LM1274
ERA18	The system shall provide the capability for redaction of the assets it contains	ERA18	The system shall provide the capability for redaction of the assets it contains	ERA498	2	D	Software	ERA498
ERA18.1	The system shall provide the capability for the user to produce redacted versions of the assets it contains	ERA18.1	The system shall provide the capability for the user to produce redacted versions of the assets it contains	ERA499	2	D	Software	ERA499
ERA18.1.1	The system shall provide the capability to remove any content from an asset to produce a redacted version of the asset	ERA18.1.1	The system shall provide the capability to remove any content from an asset to produce a redacted version of the asset	ERA500	2	D	Software	ERA500
ERA18.1.1.1	The system shall provide the capability to delete content from an asset to produce a redacted version of the asset	ERA18.1.1	The system shall provide the capability to remove any content from an asset to produce a redacted version of the asset	ERA500	2	D	Software	LM500
ERA18.1.2	The system shall provide the capability to replace any content from an asset to produce a redacted version of the asset	ERA18.1.2	The system shall provide the capability to replace any content from an asset to produce a redacted version of the asset	ERA501	2	D	Software	ERA501
ERA18.1.3	The system shall provide the capability to indicate where redaction has occurred	ERA18.1.3	The system shall provide the capability to indicate where redaction has occurred	ERA502	2	D	Software	ERA502
ERA18.2	The system shall manage redacted versions of assets	ERA18.2	The system shall manage redacted versions of assets	ERA503	2	D	Software	ERA503
ERA18.2.1	The system shall assign a constant unique identifier to the redacted version of an asset	ERA18.2	The system shall manage redacted versions of assets	ERA503	2	D	Software	LM1275
ERA18.2.2	The system shall associate an asset with all redacted versions of that asset	ERA18.2	The system shall manage redacted versions of assets	ERA503	2	D	Software	LM1276
ERA18.2.3	The system shall associate the disposition agreement to a redacted version of an asset from which it was derived	ERA18.2	The system shall manage redacted versions of assets	ERA503	2	D	Software	LM1277
ERA18.2.4	The system shall associate the description information to a redacted version of an asset from which it was derived	ERA18.2	The system shall manage redacted versions of assets	ERA503	2	D	Software	LM1278
ERA18.2.5	The system shall provide the capability to associate new description information to a redacted version of an asset	ERA18.2	The system shall manage redacted versions of assets	ERA503	2	D	Software	LM3191
ERA18.2.6	The system shall associate the lifecycle data to a redacted version of an asset from which it was derived	ERA18.2	The system shall manage redacted versions of assets	ERA503	2	D	Software	LM3192
ERA18.2.7	The system shall provide the capability to associate new lifecycle data to a redacted version of an asset	ERA18.2	The system shall manage redacted versions of assets	ERA503	2	D	Software	LM1279

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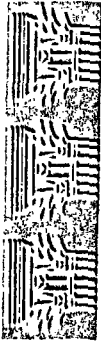


LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA18.3	The system shall provide the capability to present the redacted version of the assets it contains	ERA18.3	The system shall provide the capability to present the redacted version of the assets it contains	ERA504	2	D	Software	ERA504
ERA18.4	The system shall create a copy of the assets for redaction	ERA18.4	The system shall create a copy of the assets for redaction	ERA505	2	D	Software	ERA505
ERA18.5	The system shall prohibit redaction of any preservation copy of an electronic record	ERA18.5	The system shall prohibit redaction of any preservation copy of an electronic record	ERA506	2	D	Software	ERA506
ERA18.5.1	The system shall prohibit redaction of any electronic record digital component maintained for preservation	ERA18.5.1	The system shall prohibit redaction of any electronic record digital component maintained for preservation	ERA507	2	D	Software	ERA507
ERA18.6	The system shall provide the capability to capture redaction information	ERA18.6	The system shall provide the capability to capture redaction information	ERA508	2	D	Software	ERA508
ERA18.6.1	The system shall capture the reason(s) for the redaction	ERA18.6.1	The system shall capture the reason(s) for the redaction	ERA509	2	D	Software	ERA509
ERA18.6.1.1	The system shall provide the capability to link the reasons for redaction to each version of the redaction of an asset	ERA18.6.1.1	The system shall provide the capability to link the reasons for redaction to each version of the redaction of an asset	ERA510	2	D	Software	ERA510
ERA18.6.1.2	The system shall provide the capability to display information concerning the redaction during display of the redacted asset	ERA18.6.1.2	The system shall provide the capability to display information concerning the redaction during display of the redacted asset	ERA511	2	D	Software	ERA511
ERA18.6.2	The system shall capture the identity of the individual who performed a redaction	ERA18.6.2	The system shall capture the identity of the individual who performed a redaction	ERA512	2	D	Software	ERA512
ERA18.6.3	The system shall capture the date of a redaction	ERA18.6.3	The system shall capture the date of a redaction	ERA513	2	D	Software	ERA513
ERA18.6.3.1	The system shall capture the date and time of a redaction	ERA18.6.3	The system shall capture the date of a redaction	ERA513	2	D	Software	LM513
ERA18.7	The system shall provide the capability to redact all assets	ERA18.7	The system shall provide the capability to redact all assets	ERA514	3	A	Software	ERA514
ERA18.7.1	The system shall provide the capability to redact text	ERA18.7	The system shall provide the capability to redact all assets	ERA514	2	D	Software	LM1280
ERA18.7.2	The system shall provide the capability to redact still images	ERA18.7	The system shall provide the capability to redact all assets	ERA514	2	D	Software	LM1281
ERA18.7.3	The system shall provide the capability to redact digital audio	ERA18.7	The system shall provide the capability to redact all assets	ERA514	3	D	Software	LM1282
ERA18.7.4	The system shall provide the capability to redact digital video	ERA18.7	The system shall provide the capability to redact all assets	ERA514	3	D	Software	LM3181
ERA18.7.5	The system shall provide the capability to redact line vector images	ERA18.7	The system shall provide the capability to redact all assets	ERA514	3	D	Software	LM3182
ERA18.7.6	The system shall provide the capability to redact structured data	ERA18.7	The system shall provide the capability to redact all assets	ERA514	2	D	Software	LM3183
ERA18.7.7	The system shall provide tools to assist the user in manual redaction of assets	ERA18.7	The system shall provide the capability to redact all assets	ERA514	3	D	Software	LM3189

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ERA18 7.8	The system shall provide the capability to be extensible to redact additional digital items	ERA18.7	The system shall provide the capability to redact all assets	ERA514	3	A	Software	LM514
ERA18.8	The system shall provide tools for automated redaction of assets	ERA18.8	The system shall provide tools for automated redaction of assets	ERA515	4	D	Software	ERA515
ERA18 8 1	The system shall provide the capability to automatically redact assets based on NARA rules and guidance	ERA18 8	The system shall provide tools for automated redaction of assets	ERA515	4	D	Software	LM1283
ERA18 8 1.1	The system shall provide the capability to create NARA rules and guidance for the automated redaction of assets	ERA18.8	The system shall provide tools for automated redaction of assets	ERA515	4	D	Software	LM1284
ERA18.8 1 2	The system shall provide the capability to update NARA rules and guidance for the automated redaction of assets	ERA18.8	The system shall provide tools for automated redaction of assets	ERA515	4	D	Software	LM1285
ERA18.8.1.3	The system shall provide the capability to delete NARA rules and guidance for the automated redaction of assets	ERA18.8	The system shall provide tools for automated redaction of assets	ERA515	4	D	Software	LM1286
ERA18.8.2	The system shall provide the capability for a user to assess the automatic redaction of an asset	ERA18.8	The system shall provide tools for automated redaction of assets	ERA515	4	D	Software, Operations	LM1287
ERA18 9	The system shall provide the capability to display the disposition agreement for the electronic record being redacted	ERA18 9	The system shall provide the capability to display the disposition agreement for the electronic record being redacted	ERA516	2	D	Software	ERA516
ERA18.10	The system shall provide the capability to identify the redacted versions of assets	ERA18.10	The system shall provide the capability to identify the redacted versions of assets	ERA517	2	D	Software	ERA517
ERA19	The system shall provide the capability to search the assets it contains	ERA19	The system shall provide the capability to search the assets it contains	ERA518	4	D	Software	ERA518
ERA19.1	The system shall provide the capability for the user to select the characteristics of a search against the assets it contains	ERA19.1	The system shall provide the capability for the user to select the characteristics of a search against the assets it contains	ERA519	1	D	Software	ERA519
ERA19 1 1	The system shall provide the capability for the user to enter the criteria for the search	ERA19.1.1	The system shall provide the capability for the user to enter the criteria for the search	ERA520	1	D	Software	ERA520
ERA19.1.2	The system shall provide the capability to search by geographic information	ERA19.1.2	The system shall provide the capability to search by geographic information	ERA521	2	D	Software	ERA521
ERA19.1 3	The system shall provide the capability to search by subject	ERA19.1.3	The system shall provide the capability to search by subject	ERA522	2	D	Software	ERA522
ERA19.1.3.1	The system shall provide the capability for a free text search against a controlled list of subjects	ERA19.1.3	The system shall provide the capability to search by subject	ERA522	2	D	Software	LM522
ERA19.1 4	The system shall provide the capability to search by time period	ERA19.1.4	The system shall provide the capability to search by time period	ERA523	2	D	Software	ERA523
ERA19 1.4 1	The system shall provide the capability to search by range of dates	ERA19.1.4	The system shall provide the capability to search by time period	ERA523	2	D	Software	LM523
ERA19 1 5	The system shall provide the capability to search by accession number	ERA19.1.5	The system shall provide the capability to search by accession number	ERA524	1	D	Software	ERA524

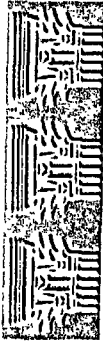
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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA19 1.5.1	The system shall provide the capability for a free text search against accession number	ERA19.1.5	The system shall provide the capability to search by accession number	ERA524	1	D	Software	LM524
ERA19.1.6	The system shall provide the capability to search by transferring entity	ERA19.1.6	The system shall provide the capability to search by transferring entity	ERA525	1	D	Software	ERA525
ERA19 1.7	The system shall provide the capability to search by government function	ERA19 1.7	The system shall provide the capability to search by government function	ERA526	2	D	Software	ERA526
ERA19.1.8	The system shall provide the capability to search by government line of business	ERA19.1.8	The system shall provide the capability to search by government line of business	ERA527	2	D	Software	ERA527
ERA19.1.9	The system shall provide the capability to search by asset type	ERA19.1.9	The system shall provide the capability to search by asset type	ERA528	1	D	Software	ERA528
ERA19.1.10	The system shall provide the capability to search by geospatial identifiers	ERA19.1.10	The system shall provide the capability to search by geospatial identifiers	ERA529	3	D	Software	ERA529
ERA19 1.11	The system shall provide the capability to search by any element defined in the asset's template	ERA19 1.11	The system shall provide the capability to search by any element defined in the asset's template	ERA530	3	I	Software	ERA530
ERA19.1.12	The system shall provide the capability to search by media type	ERA19.1.12	The system shall provide the capability to search by media type	ERA531	2	D	Software	ERA531
ERA19.1.12.1	The system shall provide the capability for a search against a controlled list of input media types	ERA19 1.12	The system shall provide the capability to search by media type	ERA531	2	D	Software	LM531
ERA19.1.13	The system shall provide the capability to search by record type	ERA19.1.13	The system shall provide the capability to search by record type	ERA532	2	D	Software	ERA532
ERA19 1.13.1	The system shall provide the capability for a search against a controlled list of record types	ERA19.1.13	The system shall provide the capability to search by record type	ERA532	2	D	Software	LM532
ERA19 1.14	The system shall provide the capability to search descriptions by description unique identifier	ERA19.1.14	The system shall provide the capability to search descriptions by description unique identifier	ERA533	2	D	Software	ERA533
ERA19 1.15	The system shall provide the capability to search by title	ERA19 1.15	The system shall provide the capability to search by title	ERA534	2	D	Software	ERA534
ERA19.1.16	The system shall provide the capability for keyword searching	ERA19.1.16	The system shall provide the capability for keyword searching	ERA535	1	D	Software	ERA535
ERA19 1.17	The system shall provide the capability for exact phrase searching	ERA19.1.17	The system shall provide the capability for exact phrase searching	ERA536	1	D	Software	ERA536
ERA19 1.18	The system shall provide the capability for concept-based searching	ERA19.1.18	The system shall provide the capability for concept-based searching	ERA537	4	D	Software	ERA537
ERA19.1.19	The system shall provide the capability for Boolean searching	ERA19.1.19	The system shall provide the capability for Boolean searching	ERA538	1	D	Software	ERA538
ERA19.1.19.1	The system shall provide the capability to use Boolean operators within search criteria	ERA19.1.19	The system shall provide the capability for Boolean searching	ERA538	1	D	Software	LM538
ERA19 1.20	The system shall provide the capability for proximity searching	ERA19 1.20	The system shall provide the capability for proximity searching	ERA539	2	D	Software	ERA539

LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace- ID	Incr.	VM	Allocation	LM ID
ERA19.1.20.1	The system shall provide the capability to use proximity operators within search criteria	ERA19.1.20	The system shall provide the capability for proximity searching	ERA539	2	D	Software	LM539
ERA19.1.21	The system shall provide the capability to search based on the frequency of access to assets by other researchers doing similar searches	ERA19.1.21	The system shall provide the capability to search based on the frequency of access to assets by other researchers doing similar searches	ERA540	2	D	Software	ERA540
ERA19.1.21.1	The system shall provide the capability to order search results on the basis of frequency of access	ERA19.1.21	The system shall provide the capability to search based on the frequency of access to assets by other researchers doing similar searches	ERA540	2	D	Software	LM1292
ERA19.1.21.2	The system shall capture information about how frequently an asset is accessed	ERA19.1.21	The system shall provide the capability to search based on the frequency of access to assets by other researchers doing similar searches	ERA540	2	D	Software	LM1293
ERA19.1.21.3	The system shall provide the capability to search on the basis of frequency of access to assets by similar searches	ERA19.1.21	The system shall provide the capability to search based on the frequency of access to assets by other researchers doing similar searches	ERA540	2	D	Software	LM540
ERA19.1.22	The system shall provide the capability for automated question-and-answer searching based on searches performed frequently	ERA19.1.22	The system shall provide the capability for automated question-and-answer searching based on searches performed frequently	ERA541	3	D	Software	ERA541
ERA19.1.22.1	The system shall provide the capability to recommend search criteria based on frequently performed searches	ERA19.1.22	The system shall provide the capability for automated question-and-answer searching based on searches performed frequently	ERA541	3	D	Software	LM1294
ERA19.1.22.2	The system shall provide the capability for a user to refine a search by incorporating the recommended search criteria	ERA19.1.22	The system shall provide the capability for automated question-and-answer searching based on searches performed frequently	ERA541	3	D	Software	LM1295
ERA19.1.22.3	The system shall provide the capability for the user to skip a recommendation in the question-and-answer process	ERA19.1.22	The system shall provide the capability for automated question-and-answer searching based on searches performed frequently	ERA541	3	D	Software	LM1296
ERA19.1.22.4	The system shall provide the capability for the user to end the question-and-answer process after each search	ERA19.1.22	The system shall provide the capability for automated question-and-answer searching based on searches performed frequently	ERA541	3	D	Software	LM1297
ERA19.1.23	The system shall provide the capability to search only for descriptions that refer to electronic records	ERA19.1.23	The system shall provide the capability to search only for descriptions that refer to electronic records	ERA542	2	D	Software	ERA542
ERA19.1.24	The system shall provide the capability to use wildcard characters in searches	ERA19.1.24	The system shall provide the capability to use wildcard characters in searches	ERA543	1	D	Software	ERA543
ERA19.1.25	The system shall provide the capability for searching records lifecycle data	ERA19.1.25	The system shall provide the capability for searching records lifecycle data	ERA544	1	D	Software	ERA544
ERA19.1.26	The system shall provide the capability for searching authority sources for people	ERA19.1.26	The system shall provide the capability for searching authority sources for people	ERA545	2	D	Software	ERA545

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ERA19.1.26.1	The system shall provide the capability for searching authority sources for names	ERA19.1.26	The system shall provide the capability for searching authority sources for people	ERA545	2	D	Software	LM1300
ERA19.1.26.2	The system shall provide the capability for searching authority sources for titles	ERA19.1.26	The system shall provide the capability for searching authority sources for people	ERA545	2	D	Software	LM1301
ERA19.1.27	The system shall provide the capability for searching authority sources for organizations	ERA19.1.27	The system shall provide the capability for searching authority sources for organizations	ERA546	2	D	Software	ERA546
ERA19.1.28	The system shall provide the capability for the use of designated "stop words" that are disregarded during searches	ERA19.1.28	The system shall provide the capability for the use of designated "stop words" that are disregarded during searches	ERA547	2	D	Software	ERA547
ERA19.1.28.1	The system shall provide the capability for a user to view the stop word list	ERA19.1.28	The system shall provide the capability for the use of designated "stop words" that are disregarded during searches	ERA547	2	D	Software	LM1302
ERA19.1.28.2	The system shall provide the capability for a user to update the stop word list	ERA19.1.28	The system shall provide the capability for the use of designated "stop words" that are disregarded during searches	ERA547	2	D	Software	LM1303
ERA19.1.28.3	The system shall provide the capability to apply an index of "stop words" that are disregarded during searches	ERA19.1.28	The system shall provide the capability for the use of designated "stop words" that are disregarded during searches	ERA547	2	D	Software	LM547
ERA19.1.29	The system shall provide the capability to search by transfer	ERA19.1.29	The system shall provide the capability to search by transfer	ERA548	1	D	Software	ERA548
ERA19.1.30	The system shall provide the capability to search by organizations	ERA19.1	The system shall provide the capability for the user to select the characteristics of a search against the assets it contains	ERA519	2	D	Software	LM3329
ERA19.1.31	The system shall provide the capability to use the results of an authority source search within the search criteria of a search against assets	ERA19.1	The system shall provide the capability for the user to select the characteristics of a search against the assets it contains	ERA519	2	D	Software	LM3330
ERA19.1.32	The system shall be extensible to search against new authority source types	ERA19.1	The system shall provide the capability for the user to select the characteristics of a search against the assets it contains	ERA519	2	A	Software	LM3331
ERA19.2	The system shall provide the capability to search for assets based on their contents	ERA19.2	The system shall provide the capability to search for assets based on their contents	ERA549	3	D	Software	ERA549
ERA19.2.1	The system shall provide the capability to perform content-based searches within a selected set of assets	ERA19.2	The system shall provide the capability to search for assets based on their contents	ERA549	2	D	Software	LM1307
ERA19.2.2	The system shall provide the capability to perform content-based searches within supported data types	ERA19.2	The system shall provide the capability to search for assets based on their contents	ERA549	2	D	Software	LM1308
ERA19.2.3	The system shall provide the capability to manage content-based search processing independently of other system functions	ERA19.2	The system shall provide the capability to search for assets based on their contents	ERA549	2	D	Software	LM1310
ERA19.3	The system shall provide the capability to search through hierarchies of information	ERA19.3	The system shall provide the capability to search through hierarchies of information	ERA550	2	D	Software	ERA550

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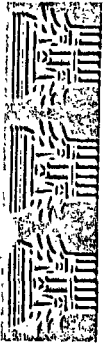
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA19.3.1	The system shall provide the capability to navigate from a description to an individual electronic record	ERA19.3.1	The system shall provide the capability to navigate from a description to an individual electronic record	ERA551	2	D	Software	ERA551
ERA19.3.1.1	The system shall provide the capability to navigate from a description to an individual electronic record the description describes	ERA19.3.1	The system shall provide the capability to navigate from a description to an individual electronic record	ERA551	2	D	Software	LM551
ERA19.3.2	The system shall provide the capability to navigate from an individual electronic record to an associated description	ERA19.3.2	The system shall provide the capability to navigate from an individual electronic record to an associated description	ERA552	2	D	Software	ERA552
ERA19.3.2.1	The system shall provide the capability to navigate from an individual electronic record to descriptions which describe the record	ERA19.3.2	The system shall provide the capability to navigate from an individual electronic record to an associated description	ERA552	2	D	Software	LM552
ERA19.3.3	The system shall provide the capability to navigate from a description to a set of electronic records	ERA19.3.3	The system shall provide the capability to navigate from a description to a set of electronic records	ERA553	2	D	Software	ERA553
ERA19.3.3.1	The system shall provide the capability to navigate from a description to sets of records the description describes	ERA19.3.3	The system shall provide the capability to navigate from a description to a set of electronic records	ERA553	2	D	Software	LM553
ERA19.3.4	The system shall provide the capability to navigate from a set of electronic records to a description of the set	ERA19.3.4	The system shall provide the capability to navigate from a set of electronic records to a description of the set	ERA554	2	D	Software	ERA554
ERA19.3.5	The system shall provide the capability to navigate through all levels of records lifecycle data while searching	ERA19.3.5	The system shall provide the capability to navigate through all levels of records lifecycle data while searching	ERA555	1	D	Software	ERA555
ERA19.3.5.1	The system shall provide the capability to navigate from one level of records lifecycle data to related levels of records lifecycle data	ERA19.3.5	The system shall provide the capability to navigate through all levels of records lifecycle data while searching	ERA555	1	D	Software	LM555
ERA19.3.6	The system shall provide the capability to navigate through all levels of records while searching	ERA19.3.6	The system shall provide the capability to navigate through all levels of sets of records while searching	ERA556	1	D	Software	ERA556
ERA19.3.7	The system shall provide the capability to navigate from a description to a description of the description's creator	ERA19.3.7	The system shall provide the capability to navigate from a description to a description of the description's creator	ERA557	2	D	Software	ERA557
ERA19.4	The system shall provide NARA-created default searches	ERA19.4	The system shall provide NARA-created default searches	ERA558	2	D	Software	ERA558
ERA19.4.1	The system shall provide the capability for users to select a NARA default search from among available searches	ERA19.4.1	The system shall provide the capability for users to select a NARA default search from among available searches	ERA559	2	D	Software	ERA559
ERA19.4.2	The system shall run the user-selected NARA default search	ERA19.4.2	The system shall run the user-selected NARA default search	ERA560	2	D	Software	ERA560
ERA19.4.3	The system shall provide the capability for authorized users to create default searches	ERA19.4	The system shall provide NARA-created default searches	ERA558	2	D	Software	LM1311

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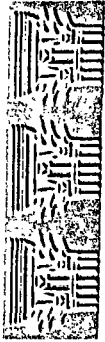
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA19.4.4	The system shall provide the capability for authorized users to update default searches	ERA19.4	The system shall provide NARA-created default searches	ERA558	2	D	Software	LM1312
ERA19.4.5	The system shall provide the capability for authorized users to delete default searches	ERA19.4	The system shall provide NARA-created default searches	ERA558	2	D	Software	LM1313
ERA19.5	The system shall provide the capability for the user to select the search complexity level, from simple single-variable searches to multi-variable complex searches	ERA19.5	The system shall provide the capability for the user to select the search complexity level, from simple single-variable searches to multi-variable complex searches	ERA561	1	D	Software	ERA561
ERA19.5.1	The system shall provide the capability for the user to perform a simple search using single variable searches	ERA19.5	The system shall provide the capability for the user to select the search complexity level, from simple single-variable searches to multi-variable complex searches	ERA561	1	D	Software	LM1314
ERA19.5.2	The system shall provide the capability for the user to perform a search using multiple variables	ERA19.5	The system shall provide the capability for the user to select the search complexity level, from simple single-variable searches to multi-variable complex searches	ERA561	1	D	Software	LM1315
ERA19.5.3	The system shall use a default complexity level if the user has not selected a complexity level	ERA19.5	The system shall provide the capability for the user to select the search complexity level, from simple single-variable searches to multi-variable complex searches	ERA561	1	D	Software	LM1316
ERA19.6	The system shall provide the capability to control search run times	ERA19.6	The system shall provide the capability to control search run times	ERA562	2	A	Software	ERA562
ERA19.6.1	The system shall limit search run times in a pre-emptive manner	ERA19.6.1	The system shall limit search run times in a pre-emptive manner	ERA563	2	A	Software	ERA563
ERA19.6.1.1	The system shall provide the capability to refuse execution of a search when the estimated run time exceeds the limit for the run time	ERA19.6.1	The system shall limit search run times in a pre-emptive manner	ERA563	2	D	Software	LM1317
ERA19.6.1.2	The system shall stop a search process when it exceeds the limit for its run time	ERA19.6.1	The system shall limit search run times in a pre-emptive manner	ERA563	1	D	Software	LM1318
ERA19.6.2	The system shall provide the capability for users to adjust search run time limits	ERA19.6.2	The system shall provide the capability for users to adjust search run time limits	ERA564	1	D	Software	ERA564
ERA19.6.2.1	The system shall assign a default value as the run time limit for a search if no other value is provided	ERA19.6.2	The system shall provide the capability for users to adjust search run time limits	ERA564	1	D	Software	LM1319
ERA19.6.2.2	The system shall provide the capability for a user to set a run time limit on a search that is lower than the default value	ERA19.6.2	The system shall provide the capability for users to adjust search run time limits	ERA564	2	D	Software	LM1320
ERA19.6.2.3	The system shall provide the capability to assign default and maximum search run time limits to users and groups of users	ERA19.6.2	The system shall provide the capability for users to adjust search run time limits	ERA564	1	D	Software	LM1321
ERA19.7	The system shall provide information to the user while the search is in progress	ERA19.7	The system shall provide information to the user while the search is in progress	ERA565	1	D	Software	ERA565

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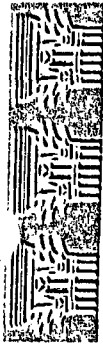
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA19.7.1	The system shall provide a search progress indicator	ERA19.7.1	The system shall provide a search progress indicator	ERA566	2	D	Software	ERA566
ERA19.7.1.1	The system shall provide the capability to assess the progress of a search process	ERA19.7	The system shall provide information to the user while the search is in progress	ERA565	2	D	Software	LM1322
ERA19.7.2	The system shall display the search parameters selected by the user	ERA19.7.2	The system shall display the search parameters selected by the user	ERA567	1	D	Software	ERA567
ERA19.7.2.1	The system shall display the search criteria selected by the user while the search is in progress	ERA19.7.2	The system shall display the search parameters selected by the user	ERA567	1	D	Software	LM567
ERA19.7.3	The system shall provide an estimate to the user of how long the search will take to execute	ERA19.7.3	The system shall provide an estimate to the user of how long the search will take to execute	ERA568	2	D	Software	ERA568
ERA19.7.3.1	The system shall estimate how long the search will take to execute	ERA19.7.3	The system shall provide an estimate to the user of how long the search will take to execute	ERA568	2	D	Software	LM1323
ERA19.7.4	The system shall notify the user when the search is complete	ERA19.7.4	The system shall notify the user when the search is complete	ERA569	1	D	Software	ERA569
ERA19.7.4.1	The system shall notify the user when a search ends before it is complete	ERA19.7.4	The system shall notify the user when the search is complete	ERA569	1	D	Software	LM1324
ERA19.8	The system shall present the search results set to the user	ERA19.8	The system shall present the search results set to the user	ERA570	1	D	Software	ERA570
ERA19.8.1	The system shall display a search results set that includes all assets meeting the search criteria	ERA19.8.1	The system shall display a search results set that includes all assets meeting the search criteria	ERA571	1	D	Software	ERA571
ERA19.8.1.1	The system shall display a message when the result set is empty	ERA19.8.1	The system shall display a search results set that includes all assets meeting the search criteria	ERA571	1	D	Software	LM1325
ERA19.8.1.2	The system shall display a search results set that includes references to all assets meeting the search criteria	ERA19.8.1	The system shall display a search results set that includes all assets meeting the search criteria	ERA571	1	D	Software	LM571
ERA19.8.2	The system shall display an explanation for the reason for withholding assets	ERA19.8.2	The system shall display an explanation for the reason for withholding assets	ERA572	1	D	Software	ERA572
ERA19.8.2.1	The system shall exclude from display withheld assets	ERA19.8.2	The system shall display an explanation for the reason for withholding assets	ERA572	1	D	Software	LM1326
ERA19.8.2.2	The system shall provide the capability to display an explanation for the reason for withholding assets	ERA19.8.2	The system shall display an explanation for the reason for withholding assets	ERA572	1	D	Software	LM572
ERA19.8.3	The system shall exclude from display assets whose existence cannot be disclosed to the requesting user	ERA19.8.3	The system shall exclude from display assets whose existence cannot be disclosed to the requesting user	ERA573	2	D	Software	ERA573
ERA19.8.4	The system shall display the total number of results in the result set returned by the search	ERA19.8.4	The system shall display the total number of results in the result set returned by the search	ERA574	1	D	Software	ERA574

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace- ID	Incr.	VM	Allocation	LM ID
ERA19.8.4.1	The system shall display the total number of results in the result set returned by the search, excluding assets whose existence cannot be disclosed to the requesting user	ERA19.8.4	The system shall display the total number of results in the result set returned by the search	ERA574	1	D	Software	LM574
ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA575	1	D	Software	ERA575
ERA19.8.5.1	The system shall use a default value for the quantity of search results to be presented in the results set if the user has not selected one	ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA575	1	D	Software	LM1327
ERA19.8.5.2	The system shall provide the capability to limit the quantity of search results in the result set	ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA575	1	D	Software	LM1328
ERA19.8.5.3	The system shall provide the capability to create a default value for the quantity of search results to be presented in the result set	ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA575	1	D	Software	LM3332
ERA19.8.5.4	The system shall provide the capability to update the default value for the quantity of search results to be presented in the result set	ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA575	1	D	Software	LM3333
ERA19.8.5.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set at one time	ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA575	1	D	Software	LM575
ERA19.8.6	The system shall provide the capability for users to select the order in which the result set is presented	ERA19.8.6	The system shall provide the capability for users to select the order in which the result set is presented	ERA576	1	D	Software	ERA576
ERA19.8.6.1	The system shall order the result set by a default order if the user has not selected a presentation order	ERA19.8.6	The system shall provide the capability for users to select the order in which the result set is presented	ERA576	1	D	Software	LM1329
ERA19.8.6.2	The system shall provide the capability for a user to select the order in which the result set is presented from a finite set of choices	ERA19.8.6	The system shall provide the capability for users to select the order in which the result set is presented	ERA576	1	D	Software	LM576
ERA19.8.7	The system shall provide the capability to rank the results of the search by relevance	ERA19.8.7	The system shall provide the capability to rank the results of the search by relevance	ERA577	2	D	Software	ERA577
ERA19.8.7.1	The system shall provide the capability to assign each result a relevancy score	ERA19.8.7	The system shall provide the capability to rank the results of the search by relevance	ERA577	2	D	Software	LM3152
ERA19.8.8	The system shall present the search results set at user-selectable levels of detail	ERA19.8.8	The system shall present the search results set at user-selectable levels of detail	ERA578	2	D	Software	ERA578
ERA19.8.8.1	The system shall present the search results set at a default level of detail if no level has been selected by the user	ERA19.8.8	The system shall present the search results set at user-selectable levels of detail	ERA578	1	D	Software	LM1330
ERA19.8.9	The system shall indicate different versions of a record included in the search result set	ERA19.8.9	The system shall indicate different versions of a record included in the search result set	ERA579	2	D	Software	ERA579

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA19.8 10	The system shall provide the capability to generate intermediate result sets for content-based searches without stopping the search to refine a search	ERA19.8	The system shall present the search results set to the user	ERA570	3	D	Software	LM1309
ERA19.9	The system shall provide the capability for a user to refine a search	ERA19.9	The system shall provide the capability for a user to refine a search	ERA580	2	D	Software	ERA580
ERA19 9.1	The system shall provide the capability to search within the result set returned by the initial search	ERA19.9.1	The system shall provide the capability to search within the result set returned by the initial search	ERA581	1	D	Software	ERA581
ERA19 9 1 1	The system shall provide a "more like this" capability to refine a search for more assets similar to those returned by the search	ERA19.9 1 1	The system shall provide a "more like this" capability to refine a search for more assets similar to those returned by the search	ERA582	2	D	Software	ERA582
ERA19 9.1 1.1	The system shall provide the capability to refine a search by looking for assets similar to those selected in a result set	ERA19.9.1.1	The system shall provide a "more like this" capability to refine a search for more assets similar to those returned by the search	ERA582	2	D	Software	LM582
ERA19 9.1 2	The system shall provide the capability to refine a search using any search criteria available in the system	ERA19 9.1.2	The system shall provide the capability to refine a search using any search criteria available in the system	ERA583	1	D	Software	ERA583
ERA19.9.1 3	The system shall provide the capability to search within the result set returned by the preceding search	ERA19.9 1	The system shall provide the capability to search within the result set returned by the initial search	ERA581	1	D	Software	LM581
ERA19.9 2	The system shall provide the capability to stop a search in progress in order to refine the search	ERA19.9 2	The system shall provide the capability to stop a search in progress in order to refine the search	ERA584	1	D	Software	ERA584
ERA19 9 2.1	The system shall provide the capability to refine a search once it has been stopped	ERA19.9.2	The system shall provide the capability to stop a search in progress in order to refine the search	ERA584	1	D	Software	LM1331
ERA19 10	The system shall provide the capability for the user to select the assets they wish to access from among the search results set	ERA19 10	The system shall provide the capability for the user to select the assets they wish to access from among the search results set	ERA585	1	D	Software	ERA585
ERA19 11	The system shall provide the capability to save a search	ERA19.11	The system shall provide the capability to save a search	ERA586	2	D	Software	ERA586
ERA19.11.1	The system shall provide the capability for the user to select a saved search from their saved searches	ERA19.11.1	The system shall provide the capability for the user to select a saved search from their saved searches	ERA587	2	D	Software	ERA587
ERA19 11 1 1	The system shall provide the capability for users to select a saved search from a list of their saved searches	ERA19.11.1	The system shall provide the capability for the user to select a saved search from their saved searches	ERA587	2	D	Software	LM587
ERA19 11 2	The system shall provide the capability to run saved searches	ERA19.11.2	The system shall provide the capability to run saved searches	ERA588	2	D	Software	ERA588
ERA19.11 3	The system shall provide the capability for users to save the set of criteria that defines a search	ERA19.11	The system shall provide the capability to save a search	ERA586	2	D	Software	LM586
ERA19.12	The system shall provide the capability for users to store results sets over time	ERA19 12	The system shall provide the capability for users to store results sets over time	ERA589	2	D	Software	ERA589

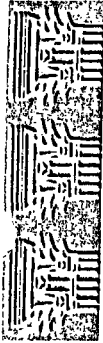
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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA19.12.1	The system shall provide the capability to store search results	ERA19.12.1	The system shall provide the capability to store search results	ERA590	2	D	Software	ERA590
ERA19.12.2	The system shall provide the capability to save selected portions of results sets	ERA19.12.2	The system shall provide the capability to save selected portions of results sets	ERA591	2	D	Software	ERA591
ERA19.12.3	The system shall maintain a search results set for a specified period of time	ERA19.12.3	The system shall maintain a search results set for a specified period of time	ERA592	2	D	Software	ERA592
ERA19.13	The system shall manage mediated searches	ERA19.13	The system shall manage mediated searches	ERA593	2	D	Software	ERA593
ERA19.13.1	The system shall provide the capability to request a mediated search	ERA19.13.1	The system shall provide the capability to request a mediated search	ERA594	2	D	Software	ERA594
ERA19.13.2	The system shall provide the capability for mediated searchers to dialog with search requestors about their mediated search	ERA19.13.2	The system shall provide the capability for mediated searchers to dialog with search requestors about their mediated search	ERA595	2	D	Software	ERA595
ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	2	D	Software	ERA596
ERA19.13.3.1	The system shall provide the capability to capture a mediated search request response	ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	2	D	Software	LM1332
ERA19.13.3.2	The system shall provide the capability to retrieve a mediated search request response	ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	2	D	Software	LM1333
ERA19.13.3.3	The system shall provide the capability to refine a mediated search request response	ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	2	D	Software	LM1334
ERA19.13.3.4	The system shall provide the capability to delete a mediated search request response	ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	2	D	Software	LM1335
ERA19.13.3.5	The system shall provide the capability to forward the results of a mediated search request to the requestor	ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	2	D	Software	LM3193
ERA19.13.3.6	The system shall provide the capability for a requestor to view the results of a mediated search	ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	2	D	Software	LM3194
ERA19.13.4	The system shall provide the capability to prioritize mediated searches	ERA19.13.4	The system shall provide the capability to prioritize mediated searches	ERA597	2	D	Software	ERA597
ERA19.13.4.1	The system shall provide the capability to schedule a mediated search request	ERA19.13.4	The system shall provide the capability to prioritize mediated searches	ERA597	2	D	Software	LM1336
ERA19.13.4.2	The system shall provide the capability to set the prioritization of a mediated search request	ERA19.13.4	The system shall provide the capability to prioritize mediated searches	ERA597	2	D	Software	LM597
ERA20	The system shall provide access to the assets it contains	ERA20	The system shall provide access to the assets it contains	ERA598	1	D	Software	ERA598
ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	5	D	Software	ERA599
ERA20.1.1	The system shall provide the capability for a user to select a presentation of a record from among available formats	ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	2	D	Software	LM1360

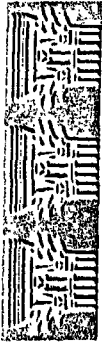
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ERA20 1.1.2	The system shall provide the capability to transform a persistent format into a format for presentation	ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	3	D	Software	LM1361
ERA20 1.1.3	The system shall provide the capability to add support for new presentation formats	ERA20 1	The system shall provide the capability to electronically present all electronic record types	ERA599	1	T	Software	LM1362
ERA20 1.2	The system shall provide the capability to provide tools to the user to present records in selected formats	ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	2	T	Software	LM1363
ERA20 1 3	The system shall provide the capability to specify the hardware and software requirements to the user to present a record	ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	1	D	Software	LM1364
ERA20.1.4	The system shall provide the capability to present text	ERA20 1	The system shall provide the capability to electronically present all electronic record types	ERA599	1	D	Software	LM1365
ERA20.1.5	The system shall provide the capability to present still images	ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	1	D	Software	LM1366
ERA20 1 6	The system shall provide the capability to present digital audio	ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	2	D	Software	LM1367
ERA20.1 7	The system shall provide the capability to present digital video	ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	2	D	Software	LM1368
ERA20.1.8	The system shall provide the capability to present line vector images	ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	2	D	Software	LM1369
ERA20 1 9	The system shall provide the capability to present structured data	ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	2	D	Software	LM1370
ERA20 2	The system shall provide the capability for users to request copies of assets	ERA20.2	The system shall provide the capability for users to request copies of assets	ERA600	1	D	Software	ERA600
ERA20.2.1	The system shall provide the capability for a user to create an order for copies of assets	ERA20.2	The system shall provide the capability for users to request copies of assets	ERA600	2	D	Software	LM1342
ERA20.3	The system shall provide the capability to output copies of all assets	ERA20.3	The system shall provide the capability to output copies of all assets	ERA601	2	D	Software	ERA601
ERA20 3 1	The system shall provide the capability to output all assets to media	ERA20.3.1	The system shall provide the capability to output all assets to media	ERA602	2	D	Software	ERA602
ERA20 3.1.1	The system shall print address labels for media orders	ERA20 3 1.1	The system shall print address labels for media orders	ERA603	2	D	Software	ERA603
ERA20 3.1.2	The system shall print packing lists for media orders	ERA20.3.1.2	The system shall print packing lists for media orders	ERA604	2	D	Software	ERA604
ERA20.3 2	The system shall provide the capability to print all printable assets	ERA20.3.2	The system shall provide the capability to print all printable assets	ERA605	2	D	Software	ERA605
ERA20 3 2 1	The system shall provide the capability to print assets identified by the system as printable	ERA20.3 2	The system shall provide the capability to print all printable assets	ERA605	2	D	Software	LM605
ERA20 3 3	The system shall be extensible to output assets based on additional digital adaptations	ERA20 3	The system shall provide the capability to output copies of all assets	ERA601	1	A	Software	LM3334

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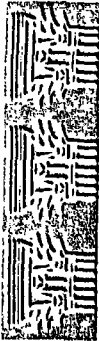


LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA20.4	The system shall provide access to assets independently of the hardware with which they were created	ERA20.4	The system shall provide access to assets independently of the hardware with which they were created	ERA606	2	D	Software	ERA606
ERA20.4.1	The system shall provide the capability to output assets independently of the hardware with which they were created	ERA20.4.1	The system shall provide the capability to output assets independently of the hardware with which they were created	ERA607	1	D	Software	ERA607
ERA20.4.2	The system shall provide the capability to electronically present assets independently of the hardware with which they were created	ERA20.4.2	The system shall provide the capability to electronically present assets independently of the hardware with which they were created	ERA608	2	D	Software	ERA608
ERA20.4.2.1	The system shall provide the capability to define device specifications necessary to electronically present a record in the format chosen by a user	ERA20.4.2	The system shall provide the capability to electronically present assets independently of the hardware with which they were created	ERA608	1	D	Software	LM1343
ERA20.4.2.2	The system shall provide the capability to electronically present assets, as required by the relevant preservation and service plan, independently of the hardware with which they were created	ERA20.4.2	The system shall provide the capability to electronically present assets independently of the hardware with which they were created	ERA608	2	D	Software	LM608
ERA20.5	The system shall provide access to assets independently of the software with which they were created	ERA20.5	The system shall provide access to assets independently of the software with which they were created	ERA609	3	D	Software	ERA609
ERA20.5.1	The system shall provide the capability to output assets independently of the software with which they were created	ERA20.5.1	The system shall provide the capability to output assets independently of the software with which they were created	ERA610	1	D	Software	ERA610
ERA20.5.2	The system shall provide the capability to electronically present assets independently of the software with which they were created	ERA20.5.2	The system shall provide the capability to electronically present assets independently of the software with which they were created	ERA611	2	D	Software	ERA611
ERA20.5.2.1	The system shall provide the capability to present assets retained in persistent object formats	ERA20.5.2	The system shall provide the capability to electronically present assets independently of the software with which they were created	ERA611	3	D	Software	LM1344
ERA20.5.2.2	The system shall provide tools to the user to support electronic presentation of assets independently of the software with which they were created	ERA20.5.2	The system shall provide the capability to electronically present assets independently of the software with which they were created	ERA611	3	D	Software	LM1345
ERA20.6	The system shall provide the capability to access an entire electronic record	ERA20.6	The system shall provide the capability to access an entire electronic record	ERA612	1	D	Software	ERA612
ERA20.7	The system shall provide the capability to access a set of electronic records	ERA20.7	The system shall provide the capability to access a set of electronic records	ERA613	1	D	Software	ERA613
ERA20.8	The system shall provide the capability to access a portion of an electronic record	ERA20.8	The system shall provide the capability to access a portion of an electronic record	ERA614	1	D	Software	ERA614
ERA20.9	The system shall provide the capability to access all digital components of an electronic record	ERA20.9	The system shall provide the capability to access all digital components of an electronic record	ERA615	1	D	Software	ERA615

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA20.10	The system shall provide the capability to output assets in formats selected by the user from available choices	ERA20.10	The system shall provide the capability to output assets in formats selected by the user from available choices	ERA616	2	D	Software	ERA616
ERA20.10.1	The system shall provide the capability for users to select the output format of selected assets from among available formats	ERA20.10.1	The system shall provide the capability for users to select the output format of selected assets from among available formats	ERA617	2	D	Software	ERA617
ERA20.10.2	The system shall output certified copies of electronic records in formats selectable by the user from available choices	ERA20.10.2	The system shall output certified copies of electronic records in formats selectable by the user from available choices	ERA618	2	D	Software	ERA618
ERA20.10.2.1	The system shall provide the capability for a user to assess the authenticity of a record	ERA20.10.2	The system shall output certified copies of electronic records in formats selectable by the user from available choices	ERA618	2	D	Operations	LM1346
ERA20.10.2.1.1	The system shall assist in determining the authenticity of a copy of a record	ERA20.10.2	The system shall output certified copies of electronic records in formats selectable by the user from available choices	ERA618	2	D	Software	LM1347
ERA20.10.2.2	The system shall provide the capability to apply a certificate of authenticity	ERA20.10.2	The system shall output certified copies of electronic records in formats selectable by the user from available choices	ERA618	2	D	Software	LM1348
ERA20.10.3	The system shall output certified copies of electronic records on media selectable by the user from available choices	ERA20.10.3	The system shall output certified copies of electronic records on media selectable by the user from available choices	ERA619	2	D	Software	ERA619
ERA20.10.4	The system shall provide the capability to output selected asset formats via telecommunications	ERA20.10.4	The system shall provide the capability to output selected asset formats via telecommunications	ERA620	1	D	Software	ERA620
ERA20.11	The system shall maintain the authenticity of an electronic record during access	ERA20.11	The system shall maintain the authenticity of an electronic record during access	ERA621	2	A	Software	ERA621
ERA20.11.1	The system shall maintain electronic record content during access	ERA20.11.1	The system shall maintain electronic record content during access	ERA622	2	D	Software	ERA622
ERA20.11.2	The system shall maintain electronic record specified behavior during access	ERA20.11.2	The system shall maintain electronic record specified behavior during access	ERA623	2	D	Software	ERA623
ERA20.11.3	The system shall maintain electronic record context during access	ERA20.11.3	The system shall maintain electronic record context during access	ERA624	2	D	Software	ERA624
ERA20.11.4	The system shall maintain electronic record structure during access	ERA20.11.4	The system shall maintain electronic record structure during access	ERA625	2	D	Software	ERA625
ERA20.11.5	The system shall maintain electronic record presentation during access	ERA20.11.5	The system shall maintain electronic record presentation during access	ERA626	2	D	Software	ERA626
ERA20.11.6	The system shall provide the capability to present digital components of electronic records individually	ERA20.11.6	The system shall provide the capability to present digital components of electronic records individually	ERA627	1	D	Software	ERA627
ERA20.11.7	The system shall provide the capability to output digital components of electronic records individually	ERA20.11.7	The system shall provide the capability to output digital components of electronic records individually	ERA628	1	D	Software	ERA628

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace- ID	Incr.	VM	Allocation	LM ID
ERA20.11.8	The system shall provide the capability to present electronic records composed of multiple digital components	ERA20.11.8	The system shall provide the capability to present electronic records composed of multiple digital components	ERA629	1	D	Software	ERA629
ERA20.11.9	The system shall provide the capability to output electronic records composed of multiple digital components	ERA20.11.9	The system shall provide the capability to output electronic records composed of multiple digital components	ERA630	1	D	Software	ERA630
ERA20.11.10	The system shall provide the capability to maintain the essential attributes that support the authenticity of an electronic record during access	ERA20.11	The system shall maintain the authenticity of an electronic record during access	ERA621	2	A	Software	LM621
ERA21	The system shall provide a user interface	ERA21	The system shall provide a user interface	ERA631	5	D	Software	ERA631
ERA21.1	The system shall provide default workbenches tailored to users' roles	ERA21.1	The system shall provide default workbenches tailored to users' roles	ERA632	1	D	Software	ERA632
ERA21.1.1	The system shall display the appropriate default workbench based on a user's registration information	ERA21.1.1	The system shall display the appropriate default workbench based on a user's registration information	ERA633	1	D	Software	ERA633
ERA21.1.2	The system shall provide the capability to create default workbenches	ERA21.5	The system shall provide the capability for configurable user interfaces	ERA641	1	D	Software	LM1085
ERA21.1.3	The system shall provide the capability to modify default workbenches	ERA21.5	The system shall provide the capability for configurable user interfaces	ERA641	1	D	Software	LM1086
ERA21.1.4	The system shall provide the capability to delete default workbenches	ERA21.5	The system shall provide the capability for configurable user interfaces	ERA641	1	D	Software	LM1087
ERA21.2	The system shall provide the capability for users to customize their workbenches	ERA21.2	The system shall provide the capability for users to customize their workbenches	ERA634	1	D	Software	ERA634
ERA21.2.1	The system shall provide the capability for users to customize their user workbench by adding tools to the default workbench	ERA21.2.1	The system shall provide the capability for users to customize their user workbench by adding tools to the default workbench	ERA635	1	D	Software	ERA635
ERA21.2.2	The system shall provide the capability for users to customize their user workbench by removing tools from the default workbench	ERA21.2.2	The system shall provide the capability for users to customize their user workbench by removing tools from the default workbench	ERA636	1	D	Software	ERA636
ERA21.2.3	The system shall provide the capability for users to customize the appearance of their workbench	ERA21.2.3	The system shall provide the capability for users to customize the appearance of their workbench	ERA637	1	D	Software	ERA637
ERA21.2.4	The system shall remember the most recent customization to a user's workbench as that user's default workbench	ERA21.2.4	The system shall remember the most recent customization to a user's workbench as that user's default workbench	ERA638	1	T	Software	ERA638
ERA21.3	The system shall provide the capability for users to select among available workbenches	ERA21.3	The system shall provide the capability for users to select among available workbenches	ERA639	1	D	Software	ERA639
ERA21.4	The system shall maintain workbench configuration across user sessions	ERA21.4	The system shall maintain workbench configuration across user sessions	ERA640	1	T	Software	ERA640
ERA21.5	The system shall provide the capability for configurable user interfaces	ERA21.5	The system shall provide the capability for configurable user interfaces	ERA641	1	D	Software	ERA641

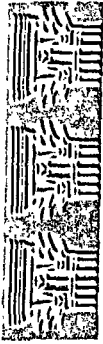
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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	1	A	Software	ERA642
ERA21.6.1	The system shall provide the capability to present the user interface in English (North American)	ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	1	D	Software	LM1088
ERA21.6.2	The system shall provide the capability to present the user interface in foreign languages that are read left to right, top to bottom, and composed of characters	ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	3	D	Software	LM1089
ERA21.6.3	The system shall provide the capability to present the user interface in foreign languages that are read left to right, bottom to top, and composed of characters	ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	5	D	Software	LM3154
ERA21.6.4	The system shall provide the capability to present the user interface in foreign languages that are read right to left, top to bottom, and composed of characters	ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	5	D	Software	LM3155
ERA21.6.5	The system shall provide the capability to present the user interface in foreign languages that are read right to left, bottom to top, and composed of characters	ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	5	D	Software	LM3156
ERA21.6.6	The system shall provide the capability to present the user interface in foreign languages that are composed of ideographs	ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	5	D	Software	LM3157
ERA21.7	The system shall provide a user interface capable of electronically presenting all supported types of electronic records	ERA21.7	The system shall provide a user interface capable of electronically presenting all supported types of electronic records	ERA643	1	D	Software	ERA643
ERA21.8	The system shall accept input of information by users	ERA21.8	The system shall accept input of information by users	ERA644	1	D	Software	ERA644
ERA21.8.1	The system shall check information entered by users	ERA21.8.1	The system shall check information entered by users	ERA645	1	T	Software	ERA645
ERA21.8.1.1	The system shall validate information entered by users for data type	ERA21.8.1	The system shall check information entered by users	ERA645	1	T	Software	LM1090
ERA21.8.1.2	The system shall validate information entered by users for data ranges	ERA21.8.1	The system shall check information entered by users	ERA645	1	T	Software	LM1091
ERA21.8.1.3	The system shall validate information entered by users against pre-defined constraints	ERA21.8.1	The system shall check information entered by users	ERA645	1	T	Software	LM3175

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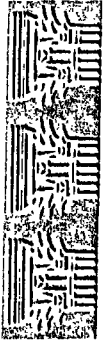


LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace- ID	Incr.	VM	Allocation	LM ID
ERA22	The system shall provide the capability for user registration	ERA22	The system shall provide the capability for user registration.	ERA646	1	D	Software	ERA646
ERA22.1	The system shall provide the capability to register users	ERA22.1	The system shall provide the capability to register users	ERA647	1	D	Software	ERA647
ERA22.1.1	The system shall register user types	ERA22.1.1	The system shall register user types	ERA648	1	T	Software	ERA648
ERA22.1.2	The system shall associate registered users with user groups	ERA22.1.2	The system shall associate registered users with user groups	ERA649	1	T	Software	ERA649
ERA22.1.3	The system shall establish a user account for each registered user	ERA22.1.3	The system shall establish a user account for each registered user	ERA650	1	T	Software	ERA650
ERA22.2	The system shall collect information from the user during registration	ERA22.2	The system shall collect information from the user during registration	ERA651	1	D	Software	ERA651
ERA22.2.1	The system shall collect name from the user during registration	ERA22.2.1	The system shall collect name from the user during registration	ERA652	1	D	Software	ERA652
ERA22.2.2	The system shall collect contact information from the user during registration	ERA22.2.2	The system shall collect contact information from the user during registration	ERA653	1	D	Software	ERA653
ERA22.2.3	The system shall collect security clearance information from the user during registration	ERA22.2.3	The system shall collect security clearance information from the user during registration	ERA654	2	D	Software	ERA654
ERA22.2.4	The system shall collect information on whether the user is a stakeholder in an equity holder from the user during registration	ERA22.2.4	The system shall collect information on whether the user is a stakeholder in an equity holder from the user during registration	ERA655	1	D	Software	ERA655
ERA22.2.5	The system shall collect job role information from the user during registration	ERA22.2.5	The system shall collect job role information from the user during registration	ERA656	1	D	Software	ERA656
ERA22.2.6	The system shall collect proof of identity information from the user during registration	ERA22.2.6	The system shall collect proof of identity information from the user during registration	ERA657	1	D	Software	ERA657
ERA22.2.6.1	The system shall indicate when a user needs to be physically present to provide proof of identity information	ERA22.2.6	The system shall collect proof of identity information from the user during registration	ERA657	1	D	Software	LM1153
ERA22.2.6.2	The system shall indicate when a user can supply proof of identity information without being physically present	ERA22.2.6	The system shall collect proof of identity information from the user during registration	ERA657	1	D	Software	LM1154
ERA22.2.7	The system shall collect information identifying the individual being registered as a transferring entity during registration	ERA22.2.7	The system shall collect information identifying the individual being registered as a transferring entity during registration	ERA658	1	D	Software	ERA658
ERA22.2.7.1	The system shall collect information identifying the individual being registered as a representative of a transferring entity during registration	ERA22.2.7	The system shall collect information identifying the individual being registered as a transferring entity during registration	ERA658	1	D	Software	LM658
ERA22.2.8	The system shall provide the capability for NARA users to determine what information is collected during registration	ERA22.2.8	The system shall provide the capability for NARA users to determine what information is collected during registration	ERA659	1	D	Software	ERA659
ERA22.2.9	The system shall provide the capability to verify user supplied information before granting access privileges	ERA22.2	The system shall collect information from the user during registration	ERA651	1	T	Operations	LM1155

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA22.3	The system shall manage user accounts	ERA22.3	The system shall manage user accounts	ERA660	1	D	Software	ERA660
ERA22.3.1	The system shall provide the capability to create user accounts	ERA22.3.1	The system shall provide the capability to create user accounts	ERA661	1	D	Software	ERA661
ERA22.3.1.1	The system shall provide the capability to create user accounts automatically	ERA22.3.1.1	The system shall provide the capability to create user accounts automatically	ERA662	1	D	Software	ERA662
ERA22.3.2	The system shall provide the capability to access user accounts	ERA22.3.2	The system shall provide the capability to access user accounts	ERA663	1	D	Software	ERA663
ERA22.3.3	The system shall provide the capability to update user accounts	ERA22.3.3	The system shall provide the capability to update user accounts	ERA664	1	D	Software	ERA664
ERA22.3.4	The system shall provide the capability to delete user accounts	ERA22.3.4	The system shall provide the capability to delete user accounts	ERA665	1	D	Software	ERA665
ERA22.3.5	The system shall provide the capability to suspend user accounts	ERA22.3.5	The system shall provide the capability to suspend user accounts	ERA666	1	D	Software	ERA666
ERA22.3.6	The system shall provide the capability to reactivate suspended user accounts	ERA22.3.6	The system shall provide the capability to reactivate suspended user accounts	ERA667	1	D	Software	ERA667
ERA22.3.7	The system shall provide the capability for the renewal of user registrations	ERA22.3.7	The system shall provide the capability for the renewal of user registrations	ERA668	1	D	Software	ERA668
ERA22.3.8	The system shall expire user accounts	ERA22.3.8	The system shall expire user accounts	ERA669	1	D	Software	ERA669
ERA22.3.9	The system shall provide the capability for users to cancel their accounts	ERA22.3.9	The system shall provide the capability for users to cancel their accounts	ERA670	1	D	Software	ERA670
ERA22.3.10	The system shall provide the capability for users to update their account information	ERA22.3.10	The system shall provide the capability for users to update their account information	ERA671	1	D	Software	ERA671
ERA22.3.10.1	The system shall provide the capability for users to request updates for those attributes of their account information that do require verification	ERA22.3.10	The system shall provide the capability for users to update their account information	ERA671	1	D	Software	LM1156
ERA22.3.10.2	The system shall provide the capability for users to update those attributes of their account information that do not require verification	ERA22.3.10	The system shall provide the capability for users to update their account information	ERA671	1	D	Software	LM671
ERA23	The system shall provide user assistance	ERA23	The system shall provide user assistance	ERA672	4	D	Software	ERA672
ERA23.1	The system shall manage user assistance	ERA23.1	The system shall manage user assistance	ERA673	1	D	Software	ERA673
ERA23.1.1	The system shall provide the capability to create user assistance functions	ERA23.1.1	The system shall provide the capability to create user assistance functions	ERA674	1	D	Software	ERA674
ERA23.1.2	The system shall provide the capability to access user assistance functions	ERA23.1.2	The system shall provide the capability to access user assistance functions	ERA675	1	D	Software	ERA675
ERA23.1.3	The system shall provide the capability to update user assistance functions	ERA23.1.3	The system shall provide the capability to update user assistance functions	ERA676	1	D	Software	ERA676
ERA23.1.4	The system shall provide the capability to delete user assistance functions	ERA23.1.4	The system shall provide the capability to delete user assistance functions	ERA677	1	D	Software	ERA677
ERA23.2	The system shall provide help screens	ERA23.2	The system shall provide help screens	ERA678	1	D	Software	ERA678
ERA23.2.1	The system shall provide the capability for field explanation assistance	ERA23.2	The system shall provide help screens	ERA678	1	D	Software	LM1157

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA23.2.2	The system shall provide the capability for glossary assistance	ERA23.2	The system shall provide help screens	ERA678	1	D	Software	LM1158
ERA23.2.3	The system shall provide the capability to display Frequently Asked Questions	ERA23.2	The system shall provide help screens	ERA678	1	D	Software	LM1159
ERA23.2.4	The system shall provide help desk contact information	ERA23.2	The system shall provide help screens	ERA678	1	D	Software	LM1160
ERA23.2.5	The system shall provide the capability for searching tips	ERA23.2	The system shall provide help screens	ERA678	1	D	Software	LM1161
ERA23.3	The system shall provide help desk support functions	ERA23.3	The system shall provide help desk support functions	ERA679	2	D	Software	ERA679
ERA23.3.1	The system shall provide the capability to interface with the NARA Help Desk to receive a ticket according to the the Interface Requirements Specification	ERA23.3	The system shall provide help desk support functions	ERA679	2	D	Software	LM1162
ERA23.3.2	The system shall provide the capability to escalate a ticket between the ERA Help Desk tiers	ERA23.3	The system shall provide help desk support functions	ERA679	2	D	Software	LM1163
ERA23.3.3	The system shall provide the capability to track ticket escalations	ERA23.3	The system shall provide help desk support functions	ERA679	2	D	Software	LM1164
ERA23.3.4	The system shall provide the capability to open a ticket	ERA23.3	The system shall provide help desk support functions	ERA679	1	D	Software	LM1165
ERA23.3.5	The system shall provide the capability to close a ticket	ERA23.3	The system shall provide help desk support functions	ERA679	1	D	Software	LM1166
ERA23.3.6	The system shall provide the capability to update a ticket	ERA23.3	The system shall provide help desk support functions	ERA679	1	D	Software	LM1167
ERA23.3.7	The system shall provide the capability to notify the user of changes to the ticket status	ERA23.3	The system shall provide help desk support functions	ERA679	1	D	Software	LM1168
ERA23.3.8	The system shall provide the capability to notify the NARA Help Desk of changes to the ticket status	ERA23.3	The system shall provide help desk support functions	ERA679	2	D	Software	LM1169
ERA23.3.9	The system shall provide the capability to display a ticket	ERA23.3	The system shall provide help desk support functions	ERA679	1	D	Software	LM1170
ERA23.3.10	The system shall provide the capability for users to create a Help Desk Request that will be routed to the Help Desk	ERA23.3	The system shall provide help desk support functions	ERA679	2	D	Software	LM1171
ERA23.3.11	The system shall provide the capability to report on help desk requests	ERA23.3	The system shall provide help desk support functions	ERA679	1	D	Software	LM1172
ERA23.4	The system shall provide the capability for user training	ERA23.4	The system shall provide the capability for user training	ERA680	4	D	Software	ERA680
ERA23.4.1	The system shall provide the capability for simulated user sessions	ERA23.4.1	The system shall provide the capability for simulated user sessions	ERA681	4	D	Software	ERA681

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA23.4.1.1	The system shall provide the capability for adaptive simulated user training sessions for deployed ERA functions	ERA23.4.1	The system shall provide the capability for simulated user sessions	ERA681	4	D	Software	LM681
ERA23.4.2	The system shall provide the capability for simulated administrator sessions	ERA23.4.2	The system shall provide the capability for simulated administrator sessions	ERA682	4	D	Software	ERA682
ERA23.4.2.1	The system shall provide the capability for Administrative Users to view adaptive simulated administrator training sessions for deployed functions of ERA	ERA23.4.2	The system shall provide the capability for simulated administrator sessions	ERA682	4	D	Software	LM682
ERA23.5	The system shall provide the capability to link to NARA resources from within ERA	ERA23.5	The system shall provide the capability to link to NARA resources from within ERA	ERA683	2	D	Software	ERA683
ERA23.6	The system shall provide the capability to define specific user assistance products to specific groups of users	ERA23.6	The system shall provide the capability to define specific user assistance products to specific groups of users	ERA684	2	D	Software	ERA684
ERA23.7	The system shall provide the capability to guide users through the steps of an ERA process step-by-step	ERA23.7	The system shall provide the capability to guide users through the steps of an ERA process step-by-step	ERA685	1	D	Software	ERA685
ERA23.7.1	The system shall provide the capability to display textual information to guide users through the steps involved in performing ERA processes	ERA23.7	The system shall provide the capability to guide users through the steps of an ERA process step-by-step	ERA685	1	D	Software	LM685
ERA23.8	The system shall provide the capability for users to initiate a message to NARA staff member(s) requesting assistance	ERA23.8	The system shall provide the capability for users to initiate a message to NARA staff member(s) requesting assistance	ERA686	1	D	Software	ERA686
ERA24	The system shall provide the capability for communications with users	ERA24	The system shall provide the capability for communications with users	ERA687	2	D	Software	ERA687
ERA24.1	The system shall manage communications	ERA24.1	The system shall manage communications	ERA688	1	D	Software	ERA688
ERA24.1.1	The system shall provide the capability to receive communications	ERA24.1.1	The system shall provide the capability to receive communications	ERA689	1	T	Software	ERA689
ERA24.1.2	The system shall provide the capability to track communications	ERA24.1.2	The system shall provide the capability to track communications	ERA690	1	T	Software	ERA690
ERA24.1.3	The system shall provide the capability to categorize communications	ERA24.1.3	The system shall provide the capability to categorize communications	ERA691	2	D	Software	ERA691
ERA24.1.4	The system shall provide the capability to respond to communications	ERA24.1.4	The system shall provide the capability to respond to communications	ERA692	2	T	Software	ERA692
ERA24.1.5	The system shall provide the capability to prioritize communications	ERA24.1.5	The system shall provide the capability to prioritize communications	ERA693	2	T	Software	ERA693
ERA24.2	The system shall provide the capability for dialoguing between NARA and users	ERA24.2	The system shall provide the capability for dialoguing between NARA and users	ERA694	2	D	Software	ERA694
ERA24.2.1	The system shall provide the capability to create team collaboration spaces	ERA24.2	The system shall provide the capability for dialoguing between NARA and users	ERA694	2	D	Software	LM1092
ERA24.2.2	The system shall provide the capability to modify team collaboration spaces	ERA24.2	The system shall provide the capability for dialoguing between NARA and users	ERA694	2	D	Software	LM1093



LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA24.2.3	The system shall provide the capability to delete team collaboration spaces	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1094
ERA24.2.4	The system shall provide the capability to control access to team collaboration spaces	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	T	Software	LM1095
ERA24.2.5	The system shall provide the capability to limit the total storage allocated to a team collaboration space	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	T	Software	LM3195
ERA24.2.6	The system shall provide the capability to persistently store collaboration objects	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1096
ERA24.2.7	The system shall provide the capability to edit persistently stored collaboration objects	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1097
ERA24.2.8	The system shall provide the capability to control versions of persistently stored objects	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1098
ERA24.2.9	The system shall provide the capability for persistently stored collaboration objects to be addressed using Uniform Resource Identifier links	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1099
ERA24.2.10	The system shall provide the capability for users to modify the status of persistently stored collaboration objects	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1100
ERA24.2.11	The system shall provide the capability to add entries to a contact registry	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1101
ERA24.2.12	The system shall provide the capability to modify entries in a contact registry	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1102
ERA24.2.13	The system shall provide the capability to delete users from a contact registry	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1103
ERA24.2.14	The system shall provide the capability for threaded discussions	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1104
ERA24.2.15	The system shall provide the capability for a calendar	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1105
ERA24.2.16	The system shall provide the capability to post events to a calendar	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1106
ERA24.2.17	The system shall provide the capability to update a calendar event	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1107
ERA24.2.18	The system shall provide the capability to delete events from a calendar	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1108
ERA24.2.19	The system shall provide the capability to control access to a calendar	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1109
ERA24.2.20	The system shall provide the capability to post a message to a Bulletin Board	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1110
ERA24.2.21	The system shall provide the capability to subscribe to a Bulletin Board	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1111



LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA24.2.22	The system shall provide the capability to unsubscribe to a Bulletin Board	ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	2	D	Software	LM1112
ERA24.3	The system shall notify users of system events	ERA24.3	The system shall notify users of system events	ERA695	1	D	Software	ERA695
ERA24.3.1	The system shall provide the capability to notify users about scheduled system maintenance	ERA24.3.1	The system shall provide the capability to notify users about scheduled system maintenance	ERA696	1	D	Software	ERA696
ERA24.3.2	The system shall provide the capability to notify users about delayed response time	ERA24.3.2	The system shall provide the capability to notify users about delayed response time	ERA697	1	D	Software	ERA697
ERA24.3.3	The system shall notify users when system services are affected by system events	ERA24.3.3	The system shall notify users when system services are affected by system events	ERA698	1	D	Software	ERA698
ERA24.3.4	The system shall notify users when system resources are affected by system events	ERA24.3.4	The system shall notify users when system resources are affected by system events	ERA699	1	D	Software	ERA699
ERA24.4	The system shall provide the capability to generate notices for other systems	ERA24.4	The system shall provide the capability to generate notices for other systems	ERA700	1	D	Software	ERA700
ERA24.4.1	The system shall provide the capability to generate notices for other systems according to the Interface Requirements Specification	ERA24.4	The system shall provide the capability to generate notices for other systems	ERA700	1	D	Software	LM700
ERA24.5	The system shall generate notices to users	ERA24.5	The system shall generate notices to users	ERA701	1	D	Software	ERA701
ERA24.5.1	The system shall provide the capability to notify a transferring entity of the results of system events	ERA24.5.1	The system shall provide the capability to notify a transferring entity of the results of system events	ERA702	1	D	Software	ERA702
ERA24.5.2	The system shall provide the capability to notify a list of users regarding system events	ERA24.5.2	The system shall provide the capability to notify a list of users regarding system events	ERA703	1	D	Software	ERA703
ERA24.5.3	The system shall provide the capability to notify users about the progress of system events	ERA24.5.3	The system shall provide the capability to notify users about the progress of system events	ERA704	1	D	Software	ERA704
ERA24.5.4	The system shall provide the capability to notify users when they have been denied access to assets	ERA24.5.4	The system shall provide the capability to notify users when they have been denied access to assets	ERA705	1	D	Software	ERA705
ERA24.5.5	The system shall provide the capability to notify users of upcoming events	ERA24.5.5	The system shall provide the capability to notify users of upcoming events	ERA706	1	D	Software	ERA706
ERA24.6	The system shall provide the ability for users to manage notices	ERA24.6	The system shall provide the ability for users to manage notices	ERA707	1	D	Software	ERA707
ERA24.6.1	The system shall provide the capability to manage standard language notices	ERA24.6.1	The system shall provide the capability to manage standard language notices	ERA708	1	D	Software	ERA708
ERA24.6.2	The system shall provide the capability to manage ad hoc notices	ERA24.6.2	The system shall provide the capability to manage ad hoc notices	ERA709	1	D	Software	ERA709
ERA24.6.3	The system shall provide the capability for users to create notices	ERA24.6.3	The system shall provide the capability for users to create notices	ERA710	1	D	Software	ERA710
ERA24.6.4	The system shall provide the capability for users to save notices	ERA24.6.4	The system shall provide the capability for users to save notices	ERA711	1	D	Software	ERA711
ERA24.6.5	The system shall provide the capability for users to edit notices	ERA24.6.5	The system shall provide the capability for users to edit notices	ERA712	1	D	Software	ERA712



LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA24.6.6	The system shall provide the capability for users to delete notices	ERA24 6.6	The system shall provide the capability for users to delete notices	ERA713	1	D	Software	ERA713
ERA24.6.7	The system shall provide the capability for users to specify recipients of notices	ERA24 6.7	The system shall provide the capability for users to specify recipients of notices	ERA714	1	D	Software	ERA714
ERA24 6.8	The system shall provide the capability for users to send notices	ERA24.6.8	The system shall provide the capability for users to send notices	ERA715	1	T	Software	ERA715
ERA25	The system shall maintain an event log	ERA25	The system shall maintain an event log	ERA716	1	D	Software	ERA716
ERA25.1	The system shall provide the capability to log all system events	ERA25.1	The system shall provide the capability to log all system events	ERA717	1	T	Software	ERA717
ERA25 2	The system shall provide the capability for NARA to select which information to log in the event log	ERA25.2	The system shall provide the capability for NARA to select which information to log in the event log	ERA718	1	T	Software	ERA718
ERA25.3	The system shall provide the capability for NARA to define categories of event log information	ERA25.3	The system shall provide the capability for NARA to define categories of event log information	ERA719	2	T	Software	ERA719
ERA25 3.1	The system shall provide the capability to define categories of COTS event log information	ERA25.3	The system shall provide the capability for NARA to define categories of event log information	ERA719	2	T	Software	LM1173
ERA25 3.2	The system shall provide the capability to define categories of event log information for ERA services	ERA25 3	The system shall provide the capability for NARA to define categories of event log information	ERA719	2	T	Software	LM1174
ERA25 4	The system shall provide the capability for NARA to define the retention period for categories of event log information	ERA25.4	The system shall provide the capability for NARA to define the retention period for categories of event log information	ERA720	2	T	Software	ERA720
ERA25.4 1	The system shall provide the capability to archive event log information	ERA25 4.1	The system shall provide the capability to archive event log information	ERA721	1	T	Software	ERA721
ERA25.4 2	The system shall provide the capability to delete event log information by categories according to retention period	ERA25.4	The system shall provide the capability for NARA to define the retention period for categories of event log information	ERA720	2	T	Software	LM1175
ERA25.5	The system shall make event log information available upon request	ERA25.5	The system shall make event log information available upon request	ERA722	1	D	Software	ERA722
ERA25.5.1	The system shall be capable of providing event log information for specific electronic records	ERA25.5.1	The system shall be capable of providing event log information for specific electronic records	ERA723	1	D	Software	ERA723
ERA25.6	The system shall provide the capability to completely expunge event log information	ERA25.6	The system shall provide the capability to completely expunge event log information	ERA724	1	T	Software	ERA724
ERA25 6.1	The system shall provide the capability to completely expunge event log information pertaining to an individual electronic record from the event log	ERA25.6 1	The system shall provide the capability to completely expunge event log information pertaining to an individual electronic record from the event log	ERA725	1	T	Software	ERA725



LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace- ID	Incr.	VM	Allocation	LM ID
ERA25 6.2	The system shall provide the capability to completely expunge event log information pertaining to sets of electronic records from the event log	ERA25.6 2	The system shall provide the capability to completely expunge event log information pertaining to sets of electronic records from the event log	ERA726	1	T	Software	ERA726
ERA25 7	The system shall manage the electronic records created by itself	ERA25 7	The system shall manage the electronic records created by itself	ERA727	1	I	Software	ERA727
ERA25 7.1	The system shall provide the capability to maintain records related to any records lifecycle transaction	ERA25 7.1	The system shall provide the capability to maintain records related to any records lifecycle transaction	ERA728	1	I	Software	ERA728
ERA26	The system shall provide reporting capability	ERA26	The system shall provide reporting capability	ERA729	2	D	Software	ERA729
ERA26.1	The system shall provide the capability to manage reports	ERA26.1	The system shall provide the capability to manage reports	ERA730	2	D	Software	ERA730
ERA26 1.1	The system shall provide the capability to create reports	ERA26 1.1	The system shall provide the capability to create reports	ERA731	1	D	Software	ERA731
ERA26.1 1.1	The system shall provide the capability to automatically create routine reports	ERA26.1.1.1	The system shall provide the capability to automatically create routine reports	ERA732	1	D	Software	ERA732
ERA26 1.1.2	The system shall provide the capability to create ad hoc reports	ERA26.1.1	The system shall provide the capability to create reports	ERA731	2	D	Software	LM1176
ERA26.1 2	The system shall provide the capability to modify reports	ERA26.1.2	The system shall provide the capability to modify reports	ERA733	2	D	Software	ERA733
ERA26.1 2.1	The system shall provide the capability for users to modify ad hoc reports	ERA26.1.2	The system shall provide the capability to modify reports	ERA733	2	D	Software	LM1177
ERA26 1 2.2	The system shall provide the capability for authorized users to modify routine reports	ERA26.1.2	The system shall provide the capability to modify reports	ERA733	1	D	Software	LM1178
ERA26 1 3	The system shall provide the capability to save reports	ERA26.1.3	The system shall provide the capability to save reports	ERA734	1	D	Software	ERA734
ERA26 1.3 1	The system shall provide the capability to save a report to a file	ERA26 1.3.1	The system shall provide the capability to save a report to a file	ERA735	1	D	Software	ERA735
ERA26 1 4	The system shall provide the capability to delete reports	ERA26.1 4	The system shall provide the capability to delete reports	ERA736	1	D	Software	ERA736
ERA26.1.5	The system shall provide the capability to display reports	ERA26.1.5	The system shall provide the capability to display reports	ERA737	1	D	Software	ERA737
ERA26 1 6	The system shall provide the capability to print reports	ERA26.1.6	The system shall provide the capability to print reports	ERA738	1	D	Software	ERA738
ERA26 2	The system shall provide the capability to select reports	ERA26 2	The system shall provide the capability to select reports	ERA739	2	D	Software	ERA739
ERA26 2.1	The system shall provide the capability to select routine reports	ERA26.2	The system shall provide the capability to select reports	ERA739	1	D	Software	LM1180
ERA26 2 2	The system shall provide the capability to select saved ad hoc reports	ERA26.2	The system shall provide the capability to select reports	ERA739	2	D	Software	LM1181
ERA26.3	The system shall provide the capability to select report contents	ERA26 3	The system shall provide the capability to select report contents	ERA740	2	D	Software	ERA740



LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA26.3.1	The system shall provide the capability to include any log event in a report	ERA26.3.1	The system shall provide the capability to include any log event in a report	ERA741	2	D	Software	ERA741
ERA26.3.2	The system shall provide the capability to include the results of any system service in a report	ERA26.3.2	The system shall provide the capability to include the results of any system service in a report	ERA742	2	T	Software	ERA742
ERA26.3.3	The system shall provide the capability to include electronic records in a report	ERA26.3.3	The system shall provide the capability to include electronic records in a report	ERA743	2	D	Software	ERA743
ERA26.3.3.1	The system shall provide the capability for a user to attach an electronic record file to a report	ERA26.3.3	The system shall provide the capability to include electronic records in a report	ERA743	2	D	Software	LM1182
ERA26.3.3.2	The system shall provide the capability for a user to insert text from an electronic record into a predefined text report	ERA26.3.3	The system shall provide the capability to include electronic records in a report	ERA743	2	D	Software	LM1183
ERA26.3.3.3	The system shall provide the capability for a user to insert graphics from an electronic record into a report	ERA26.3.3	The system shall provide the capability to include electronic records in a report	ERA743	2	D	Software	LM1184
ERA26.3.3.4	The system shall provide the capability for a user to insert references to assets into a report	ERA26.3.3	The system shall provide the capability to include electronic records in a report	ERA743	2	D	Software	LM3177
ERA26.3.4	The system shall provide the capability to combine report contents	ERA26.3.4	The system shall provide the capability to combine report contents	ERA744	2	D	Software	ERA744
ERA26.3.5	The system shall provide the capability to customize report formats	ERA26.3.5	The system shall provide the capability to customize report formats	ERA745	2	T	Software	ERA745
ERA26.3.5.1	The system shall provide the capability for users to customize ad hoc report formats	ERA26.3.5	The system shall provide the capability to customize report formats	ERA745	2	T	Software	LM1185
ERA26.3.5.2	The system shall provide the capability for authorized users to customize routine report formats	ERA26.3.5	The system shall provide the capability to customize report formats	ERA745	1	T	Software	LM1186
ERA26.3.6	The system shall provide the capability to graphically represent report results	ERA26.3.6	The system shall provide the capability to graphically represent report results	ERA746	2	D	Software	ERA746
ERA26.3.6.1	The system shall provide the capability to graphically represent numerically based report results	ERA26.3.6	The system shall provide the capability to graphically represent report results	ERA746	2	D	Software	LM746
ERA26.3.7	The system shall provide the capability to present report results in tables	ERA26.3.7	The system shall provide the capability to present report results in tables	ERA747	2	D	Software	ERA747
ERA26.4	The system shall provide the capability to output report results	ERA26.4	The system shall provide the capability to output report results	ERA748	2	D	Software	ERA748
ERA26.4.1	The system shall provide the capability to output reports to media	ERA26.4.1	The system shall provide the capability to output reports to media	ERA749	1	D	Software	ERA749
ERA26.4.1.1	The system shall provide the capability to output reports to approved media types	ERA26.4.1	The system shall provide the capability to output reports to media	ERA749	1	D	Software	LM749
ERA26.4.2	The system shall provide the capability to present reports via the user interface	ERA26.4.2	The system shall provide the capability to present reports via the user interface	ERA750	1	D	Software	ERA750



LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	Incr.	VM	Allocation	LM ID
ERA26.4.3	The system shall provide the capability to output reports to other systems	ERA26.4.3	The system shall provide the capability to output reports to other systems	ERA751	2	D	Software	ERA751
ERA26.4.3.1	The system shall provide the capability to output report files to other systems in accordance with the Interface Requirements Specification	ERA26.4.3	The system shall provide the capability to output reports to other systems	ERA751	2	D	Software	LM751
ERA26.5	The system shall provide the capability to make reports available to other users	ERA26.5	The system shall provide the capability to make reports available to other users	ERA752	2	D	Software	ERA752
ERA26.5.1	The system shall provide the capability to allow users to share ad hoc report definitions	ERA26.5	The system shall provide the capability to make reports available to other users	ERA752	2	D	Software	LM752
ERA27	The system shall provide systems administration capabilities	ERA27	The system shall provide systems administration capabilities	ERA753	4	I	Software	ERA753
ERA27.1	The system shall provide tools to support system level testing	ERA27.1	The system shall provide tools to support system level testing	ERA754	1	I	Software	ERA754
ERA27.1.1	The system shall provide the capability to designate test data	ERA27.1.1	The system shall provide the capability to designate test data	ERA755	1	I	Software	ERA755
ERA27.1.2	The system shall provide the capability for complete deletion of test data from the system without affecting other data	ERA27.1.2	The system shall provide the capability for complete deletion of test data from the system without affecting other data	ERA756	1	T	Software	ERA756
ERA27.1.3	The system shall provide the capability to track designated test data throughout the system	ERA27.1.3	The system shall provide the capability to track designated test data throughout the system	ERA757	1	T	Software	ERA757
ERA27.1.4	The system shall provide the capability to completely delete system artifacts resulting from testing from the system without affecting other data	ERA27.1.4	The system shall provide the capability to completely delete system artifacts resulting from testing from the system without affecting other data	ERA758	1	T	Software	ERA758
ERA27.1.5	The system shall provide the capability for monitoring during testing	ERA27.1.5	The system shall provide the capability for monitoring during testing	ERA759	1	I	Software	ERA759
ERA27.2	The system shall manage system failures	ERA27.2	The system shall manage system failures	ERA760	2	T	Software	ERA760
ERA27.2.1	The system shall identify failures	ERA27.2.1	The system shall identify failures	ERA761	1	T	Software	ERA761
ERA27.2.1.1	The system shall provide the capability to automatically monitor system components to gather system health information	ERA27.2.1	The system shall identify failures	ERA761	1	T	Software	LM1187
ERA27.2.1.2	The system shall provide the capability to display performance and operational conditions that are outside of tolerance thresholds	ERA27.2.1	The system shall identify failures	ERA761	1	T	Software	LM1188
ERA27.2.1.3	The system shall provide the capability to create notices when it detects conditions outside of tolerance thresholds	ERA27.2.1	The system shall identify failures	ERA761	1	T	Software	LM1189
ERA27.2.2	The system shall isolate failures	ERA27.2.2	The system shall isolate failures	ERA762	2	T	Software	ERA762
ERA27.2.2.1	The system shall isolate failures to a site	ERA27.2.2	The system shall isolate failures	ERA762	2	T	Software	LM1190
ERA27.2.2.2	The system shall isolate failures to an instance	ERA27.2.2	The system shall isolate failures	ERA762	2	T	Software	LM1191
ERA27.2.2.3	The system shall isolate failures to hardware	ERA27.2.2	The system shall isolate failures	ERA762	1	T	Software	LM1192
ERA27.2.2.4	The system shall isolate failures to software	ERA27.2.2	The system shall isolate failures	ERA762	1	T	Software	LM1193



LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA27.2.2.5	The system shall isolate failures to power providers	ERA27.2.2	The system shall isolate failures	ERA762	1	T	Software	LM1194
ERA27.2.2.6	The system shall provide the capability to perform remote maintenance tasks on individual components	ERA27.2.2	The system shall isolate failures	ERA762	1	T	Software	LM1195
ERA27.2.2.7	The system shall isolate failures to telecommunication providers	ERA27.2.2	The system shall isolate failures	ERA762	1	T	Software	LM3165
ERA27.2.3	The system shall resolve failures	ERA27.2.3	The system shall resolve failures	ERA763	1	T	Software	ERA763
ERA27.2.3.1	The system shall provide the capability for users to perform remote triage steps	ERA27.2.3	The system shall resolve failures	ERA763	1	T	Software	LM1196
ERA27.2.3.2	The system shall provide the capability for users to remotely reboot subsystem components	ERA27.2.3	The system shall resolve failures	ERA763	1	T	Software	LM1197
ERA27.2.3.3	The system shall provide the capability for users to remotely update configuration tables on subsystem components	ERA27.2.3	The system shall resolve failures	ERA763	1	T	Software	LM1198
ERA27.2.3.4	The system shall provide the capability for users to remotely deploy software	ERA27.2.3	The system shall resolve failures	ERA763	1	T	Software	LM1199
ERA27.2.3.5	The system shall provide the capability for users to replace select subsystem components	ERA27.2.3	The system shall resolve failures	ERA763	1	T	Operations	LM1200
ERA27.2.4	The system shall provide notification of failures	ERA27.2.4	The system shall provide notification of failures	ERA764	1	T	Software	ERA764
ERA27.2.5	The system shall provide consolidated application error logging	ERA27.2.5	The system shall provide consolidated application error logging	ERA765	1	T	Software	ERA765
ERA27.2.5.1	The system shall provide the capability to gather application error data into a persistent storage location	ERA27.2.5	The system shall provide consolidated application error logging	ERA765	1	T	Software	LM1201
ERA27.2.5.2	The system shall provide the capability to create textual reports that list error messages	ERA27.2.5	The system shall provide consolidated application error logging	ERA765	1	D	Software	LM1202
ERA27.2.6	The system shall provide consolidated COTS fault logging	ERA27.2.6	The system shall provide consolidated COTS fault logging	ERA766	1	D	Software	ERA766
ERA27.2.6.1	The system shall provide the capability to gather COTS error data into a persistent storage location	ERA27.2.6	The system shall provide consolidated COTS fault logging	ERA766	1	T	Software	LM1203
ERA27.2.6.2	The system shall provide the capability to create textual reports that list COTS error messages	ERA27.2.6	The system shall provide consolidated COTS fault logging	ERA766	1	D	Software	LM1204
ERA27.3	The system shall monitor overall system state in a consolidated manner	ERA27.3	The system shall monitor overall system state in a consolidated manner	ERA767	4	D	Software	ERA767
ERA27.3.1	The system shall monitor system workflow	ERA27.3.1	The system shall monitor system workflow	ERA768	1	D	Software	ERA768
ERA27.3.2	The system shall monitor system load	ERA27.3.2	The system shall monitor system load	ERA769	1	D	Software	ERA769
ERA27.3.2.1	The system shall provide the capability to monitor CPU utilization for subsystem components	ERA27.3.2	The system shall monitor system load	ERA769	1	D	Software	LM1205
ERA27.3.2.2	The system shall provide the capability to monitor memory utilization for subsystem components	ERA27.3.2	The system shall monitor system load	ERA769	1	D	Software	LM1206



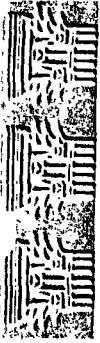
LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA27.3.2.3	The system shall provide the capability to monitor thread utilization for subsystem components	ERA27.3.2	The system shall monitor system load	ERA769	1	D	Software	LM3166
ERA27.3.2.4	The system shall provide the capability to monitor connection utilization for subsystem components	ERA27.3.2	The system shall monitor system load	ERA769	1	D	Software	LM3167
ERA27.3.2.5	The system shall provide the capability to monitor bandwidth utilization for subsystem components	ERA27.3.2	The system shall monitor system load	ERA769	1	D	Software	LM3168
ERA27.3.3	The system shall monitor system performance	ERA27.3.3	The system shall monitor system performance	ERA770	1	D	Software	ERA770
ERA27.3.3.1	The system shall provide the capability to estimate file download time to the user	ERA27.3.3	The system shall monitor system performance	ERA770	1	D	Software	LM1207
ERA27.3.4	The system shall monitor storage usage	ERA27.3.4	The system shall monitor storage usage	ERA771	1	D	Software	ERA771
ERA27.3.5	The system shall monitor data requests	ERA27.3.5	The system shall monitor data requests	ERA772	1	D	Software	ERA772
ERA27.3.5.1	The system shall provide the capability to monitor requests for data by user	ERA27.3.5	The system shall monitor data requests	ERA772	1	D	Software	LM1208
ERA27.3.5.2	The system shall provide the capability to capture information about requests for data	ERA27.3.5	The system shall monitor data requests	ERA772	1	D	Software	LM1209
ERA27.3.5.3	The system shall provide the capability to generate access statistics based upon requests for data	ERA27.3.5	The system shall monitor data requests	ERA772	1	D	Software	LM1210
ERA27.3.5.4	The system shall provide the capability to create reports based upon information about requests for data	ERA27.3.5	The system shall monitor data requests	ERA772	1	D	Software	LM1211
ERA27.3.6	The system shall monitor the status of all its storage systems	ERA27.3.6	The system shall monitor the status of all its storage systems	ERA773	1	D	Software	ERA773
ERA27.3.7	The system shall monitor the performance of all its storage systems	ERA27.3.7	The system shall monitor the performance of all its storage systems	ERA774	1	D	Software	ERA774
ERA27.3.8	The system shall present system monitoring data via a consistent operations user interface	ERA27.3.8	The system shall present system monitoring data via a consistent operations user interface	ERA775	4	D	Software	ERA775
ERA27.3.8.1	The system shall present system monitoring data for all subsystems using a consistent user interface	ERA27.3.8	The system shall present system monitoring data via a consistent operations user interface	ERA775	4	D	Software	LM775
ERA27.4	The system shall provide the capability to adjust system parameters	ERA27.4	The system shall provide the capability to adjust system parameters	ERA776	4	D	Software	ERA776
ERA27.4.1	The system shall adjust storage allocations	ERA27.4.1	The system shall adjust storage allocations	ERA777	1	T	Software	ERA777
ERA27.4.2	The system shall balance system loads	ERA27.4.2	The system shall balance system loads	ERA778	1	T	Software	ERA778
ERA27.4.3	The system shall allocate resources	ERA27.4.3	The system shall allocate resources	ERA779	1	T	Software	ERA779
ERA27.4.4	The system shall de-allocate resources	ERA27.4.4	The system shall de-allocate resources	ERA780	1	D	Software	ERA780
ERA27.4.5	The system shall report resources usage	ERA27.4.5	The system shall report resources usage	ERA781	1	D	Software	ERA781
ERA27.4.6	The system shall provide the capability to take resources off line	ERA27.4.6	The system shall provide the capability to take resources off line	ERA782	1	D	Software	ERA782
ERA27.4.7	The system shall provide the capability to bring resources on line	ERA27.4.7	The system shall provide the capability to bring resources on line	ERA783	1	D	Software	ERA783





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ERA27.4.8	The system shall present the system parameter controls via a consistent operations user interface	ERA27.4.8	The system shall present the system parameter controls via a consistent operations user interface	ERA784	4	D	Software	ERA784
ERA27.4.8.1	The system shall present the system parameter controls for all subsystems using a consistent user interface	ERA27.4.8	The system shall present the system parameter controls via a consistent operations user interface	ERA784	4	D	Software	LM784
ERA28	The system shall provide logistics management capabilities	ERA28	The system shall provide logistics management capabilities	ERA785	3	T	Software	ERA785
ERA28.1	The system shall provide inventory management	ERA28.1	The system shall provide inventory management	ERA786	2	T	Software	ERA786
ERA28.1.1	The system shall provide spare parts inventory management	ERA28.1.1	The system shall provide spare parts inventory management	ERA787	2	T	Software	ERA787
ERA28.1.1.1	The system shall provide the capability to monitor the spare parts inventory	ERA28.1.1.1	The system shall provide the capability to monitor the spare parts inventory	ERA788	2	T	Software	ERA788
ERA28.1.1.2	The system shall provide the capability to manage the replenishment of the spare parts inventory	ERA28.1.1.2	The system shall provide the capability to manage the replenishment of the spare parts inventory	ERA789	2	T	Software	ERA789
ERA28.1.2	The system shall provide consumables inventory management	ERA28.1.2	The system shall provide consumables inventory management	ERA790	2	T	Software	ERA790
ERA28.1.2.1	The system shall provide the capability to monitor all the consumables inventories for ERA operations	ERA28.1.2.1	The system shall provide the capability to monitor all the consumables inventories for ERA operations	ERA791	2	T	Software	ERA791
ERA28.1.2.2	The system shall provide the capability to manage the replenishment of the consumables inventories	ERA28.1.2.2	The system shall provide the capability to manage the replenishment of the consumables inventories	ERA792	2	T	Software	ERA792
ERA28.1.3	The system shall provide the capability to manage a system-wide inventory of all hardware contained within ERA	ERA28.1.3	The system shall provide the capability to manage a system-wide inventory of all hardware contained within ERA	ERA793	1	T	Software	ERA793
ERA28.1.4	The system shall provide the capability to manage a system-wide inventory of all software contained within ERA	ERA28.1.4	The system shall provide the capability to manage a system-wide inventory of all software contained within ERA	ERA794	1	T	Software	ERA794
ERA28.1.5	The system shall provide the capability to manage a system-wide inventory of all accountable office equipment within ERA	ERA28.1	The system shall provide inventory management	ERA786	2	T	Software	LM1212
ERA28.1.6	The system shall provide the capability to manage a system-wide inventory of the Physical Plant equipment	ERA28.1	The system shall provide inventory management	ERA786	1	T	Software	LM1213
ERA28.2	The system shall provide configuration management capabilities	ERA28.2	The system shall provide configuration management capabilities	ERA795	1	T	Software	ERA795
ERA28.2.1	The system shall provide the capability for configuration management of the operational hardware of ERA	ERA28.2.1	The system shall provide the capability for configuration management of the operational hardware of ERA	ERA796	1	I	Software	ERA796





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ERA28 2.2	The system shall provide the capability for configuration management of the archival software of ERA	ERA28.2.2	The system shall provide the capability for configuration management of the archival software of ERA	ERA797	1	T	Software	ERA797
ERA28.2.2.1	The system shall provide the capability for configuration management of the developed software of ERA	ERA28.2.2	The system shall provide the capability for configuration management of the archival software of ERA	ERA797	1	T	Software	LM3169
ERA28.2.2.2	The system shall provide the capability for configuration management of the COTS software of ERA	ERA28 2 2	The system shall provide the capability for configuration management of the archival software of ERA	ERA797	1	T	Software	LM3170
ERA28 2 2.3	The system shall provide the capability for configuration management of the configuration files of ERA	ERA28.2.2	The system shall provide the capability for configuration management of the archival software of ERA	ERA797	1	T	Software	LM3171
ERA28.2.3	The system shall provide the capability for configuration management of the system software of ERA	ERA28 2.3	The system shall provide the capability for configuration management of the system software of ERA	ERA798	1	T	Software	ERA798
ERA28 2.4	The system shall provide the capability to migrate hardware upgrades into the operational environment	ERA28.2.4	The system shall provide the capability to migrate hardware upgrades into the operational environment	ERA799	1	I	Software	ERA799
ERA28 2.5	The system shall provide the capability to migrate software upgrades into the operational environment	ERA28.2.5	The system shall provide the capability to migrate software upgrades into the operational environment	ERA800	1	T	Software	ERA800
ERA28.2.5.1	The system shall provide the capability to schedule the migration of software upgrades into the operational environment	ERA28.2.5	The system shall provide the capability to migrate software upgrades into the operational environment	ERA800	1	T	Software	LM1215
ERA28 2 5.2	The system shall provide the capability to verify the migration of software upgrades into the operational environment	ERA28.2.5	The system shall provide the capability to migrate software upgrades into the operational environment	ERA800	1	T	Software	LM1216
ERA28 2 5.3	The system shall provide the capability to rollback software migration in case of a failure	ERA28.2 5	The system shall provide the capability to migrate software upgrades into the operational environment	ERA800	1	T	Software	LM1217
ERA28 2.6	The system shall provide configuration management to support the testing of ERA	ERA28.2 6	The system shall provide configuration management to support the testing of ERA	ERA801	1	I	Software	ERA801
ERA28.2.7	The system shall provide configuration management to support system documentation	ERA28 2	The system shall provide configuration management capabilities	ERA795	1	I	Software	LM1218
ERA28.2.8	The system shall provide configuration management to support training materials	ERA28.2	The system shall provide configuration management capabilities	ERA795	1	I	Software	LM1219
ERA28.3	The system shall provide the capability to schedule preventative maintenance for system components	ERA28 3	The system shall provide the capability to schedule preventative maintenance for system components	ERA802	3	T	Software	ERA802
ERA29	The system shall manage user subscriptions to services	ERA29	The system shall manage user subscriptions to services	ERA803	4	D	Software	ERA803



LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA29.1	The system shall provide the capability to manage user subscriptions	ERA29.1	The system shall provide the capability to manage user subscriptions	ERA804	3	D	Software	ERA804
ERA29.1.1	The system shall provide the capability for the user to create subscriptions	ERA29.1.1	The system shall provide the capability for the user to create subscriptions	ERA805	2	D	Software	ERA805
ERA29.1.1.1	The system shall provide the capability for a user to select characteristics for a subscription	ERA29.1.1	The system shall provide the capability for the user to create subscriptions	ERA805	2	D	Software	LM1349
ERA29.1.1.2	The system shall allocate a constant unique identifier for each subscription	ERA29.1.1	The system shall provide the capability for the user to create subscriptions	ERA805	2	D	Software	LM1350
ERA29.1.2	The system shall provide the capability for the user to modify subscriptions	ERA29.1.2	The system shall provide the capability for the user to modify subscriptions	ERA806	2	D	Software	ERA806
ERA29.1.3	The system shall provide the capability for the user to delete subscriptions	ERA29.1.3	The system shall provide the capability for the user to delete subscriptions	ERA807	2	D	Software	ERA807
ERA29.1.4	The system shall provide the capability for the user to suspend subscriptions	ERA29.1.4	The system shall provide the capability for the user to suspend subscriptions	ERA808	3	D	Software	ERA808
ERA29.1.5	The system shall provide the capability for the user to resume suspended subscriptions	ERA29.1.5	The system shall provide the capability for the user to resume suspended subscriptions	ERA809	3	D	Software	ERA809
ERA29.1.6	The system shall provide the capability for the System Administrator to execute all subscription management functions on behalf of the user	ERA29.1.6	The system shall provide the capability for the System Administrator to execute all subscription management functions on behalf of the user	ERA810	2	D	Software	ERA810
ERA29.1.7	The system shall provide the capability to display a list of a user's subscriptions	ERA29	The system shall manage user subscriptions to services	ERA803	2	D	Software	LM1354
ERA29.2	The system shall provide the capability to manage subscription processing independently of other system performance functions	ERA29.2	The system shall provide the capability to manage subscription processing independently of other system performance functions	ERA811	2	T	Software	ERA811
ERA29.2.1	The system shall provide the capability to limit system resources available to a user for subscription processing	ERA29.2	The system shall provide the capability to manage subscription processing independently of other system performance functions	ERA811	2	D	Software	LM1351
ERA29.3	The system shall provide the capability to execute any combination of services in response to any combination of events	ERA29.3	The system shall provide the capability to execute any combination of services in response to any combination of events	ERA812	2	D	Software	ERA812
ERA29.3.1	The system shall provide the capability for any service to be eligible for subscription	ERA29.3.1	The system shall provide the capability for any service to be eligible for subscription	ERA813	2	D	Software	ERA813
ERA29.3.1.1	The system shall provide the capability to allow a user to identify services eligible for subscription	ERA29.3.1	The system shall provide the capability for any service to be eligible for subscription	ERA813	2	D	Software	LM1352
ERA29.3.2	The system shall provide the capability for any system event to be eligible for subscription	ERA29.3.2	The system shall provide the capability for any system event to be eligible for subscription	ERA814	2	D	Software	ERA814
ERA29.3.2.1	The system shall provide the capability to allow an administrative user to identify events eligible for subscription	ERA29.3.2	The system shall provide the capability for any system event to be eligible for subscription	ERA814	2	D	Software, Operations	LM1353





LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA29.3.3	The system shall provide the capability to execute a combination of services from a list of eligible services in response to a combination of events from a list of eligible events	ERA29.3	The system shall provide the capability to execute any combination of services in response to any combination of events	ERA812	2	D	Software	LM812
ERA29.4	The system shall provide the capability to execute a subscription a specified number of times	ERA29.4	The system shall provide the capability to execute a subscription a specified number of times	ERA815	2	D	Software	ERA815
ERA29.4.1	The system shall provide the capability for the user to specify the number of times a subscription is to be executed	ERA29.4.1	The system shall provide the capability for the user to specify the number of times a subscription is to be executed	ERA816	2	D	Software	ERA816
ERA29.4.1.1	The system shall provide the capability for a user to specify the number of times a subscription is to be executed when the subscription is created	ERA29.4.1	The system shall provide the capability for the user to specify the number of times a subscription is to be executed	ERA816	2	D	Software	LM816
ERA29.4.1.2	The system shall provide the capability for a user to specify the number of times a subscription is to be executed when the subscription is modified	ERA29.4.1	The system shall provide the capability for the user to specify the number of times a subscription is to be executed	ERA816	2	D	Software	LMNEW 1
ERA29.4.2	The system shall delete subscriptions after they have been run the number of times specified by the user	ERA29.4.2	The system shall delete subscriptions after they have been run the number of times specified by the user	ERA817	2	D	Software	ERA817
ERA29.5	The system shall provide the capability for subscriptions that are time based	ERA29.5	The system shall provide the capability for subscriptions that are time based	ERA818	4	D	Software	ERA818
ERA29.5.1	The system shall provide the capability to execute subscriptions at a specified future time	ERA29.5.1	The system shall provide the capability to execute subscriptions at a specified future time	ERA819	4	D	Software	ERA819
ERA29.5.2	The system shall provide the capability to execute subscriptions at specified intervals	ERA29.5.2	The system shall provide the capability to execute subscriptions at specified intervals	ERA820	4	D	Software	ERA820
ERA30	The system shall provide service management	ERA30	The system shall provide service management	ERA821	3	D	Software	ERA821
ERA30.1	The system shall provide the capability to queue services	ERA30.1	The system shall provide the capability to queue services	ERA822	1	T	Software	ERA822
ERA30.2	The system shall provide the capability to monitor services	ERA30.2	The system shall provide the capability to monitor services	ERA823	1	D	Software	ERA823
ERA30.3	The system shall provide the capability to categorize services	ERA30.3	The system shall provide the capability to categorize services	ERA824	1	D	Software	ERA824
ERA30.4	The system shall provide the capability to prioritize services	ERA30.4	The system shall provide the capability to prioritize services	ERA825	2	T	Software	ERA825
ERA30.4.1	The system shall provide the capability to prioritize different categories of services	ERA30.4.1	The system shall provide the capability to prioritize different categories of services	ERA826	2	T	Software	ERA826
ERA30.4.2	The system shall provide the capability to prioritize individual service executions within a category of service	ERA30.4.2	The system shall provide the capability to prioritize individual service executions within a category of service	ERA827	2	T	Software	ERA827
ERA30.5	The system shall provide the capability to preempt services	ERA30.5	The system shall provide the capability to preempt services	ERA828	1	T	Software	ERA828





LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA30.6	The system shall provide the capability to suspend services	ERA30.6	The system shall provide the capability to suspend services	ERA829	1	D	Software	ERA829
ERA30.6.1	The system shall provide the capability to suspend a service at the category level	ERA30.6.1	The system shall provide the capability to suspend a service at the category level	ERA830	1	D	Software	ERA830
ERA30.6.2	The system shall provide the capability to suspend an individual service's execution within a category of service	ERA30.6.2	The system shall provide the capability to suspend an individual service's execution within a category of service	ERA831	1	D	Software	ERA831
ERA30.6.3	The system shall provide the capability to resume any type of service that has been suspended	ERA30.6.3	The system shall provide the capability to resume any type of service that has been suspended	ERA832	1	D	Software	ERA832
ERA30.7	The system shall provide the capability to limit service execution times	ERA30.7	The system shall provide the capability to limit service execution times	ERA833	2	T	Software	ERA833
ERA30.7.1	The system shall limit individual service execution run times in a pre-emptive manner	ERA30.7.1	The system shall limit individual service execution run times in a pre-emptive manner	ERA834	2	T	Software	ERA834
ERA30.7.1.1	The system shall provide the capability to limit individual service execution run times in a pre-emptive manner based on user role	ERA30.7.1	The system shall limit individual service execution run times in a pre-emptive manner	ERA834	2	T	Software	LM1113
ERA30.7.1.2	The system shall provide the capability to limit individual service execution run times in a pre-emptive manner based on fee-for-service	ERA30.7.1	The system shall limit individual service execution run times in a pre-emptive manner	ERA834	2	T	Software	LM1114
ERA30.7.2	The system shall provide the capability to adjust service execution run time limits	ERA30.7.2	The system shall provide the capability to adjust service execution run time limits	ERA835	2	D	Software	ERA835
ERA30.8	The system shall provide check-pointing	ERA30.8	The system shall provide check-pointing	ERA836	2	T	Software	ERA836
ERA30.8.1	The system shall store check-pointed system state information sufficient for full system state recovery	ERA30.8.1	The system shall store check-pointed system state information sufficient for full system state recovery	ERA837	2	T	Software	ERA837
ERA30.8.2	The system shall provide the capability to recover from a check-pointed point in time	ERA30.8.2	The system shall provide the capability to recover from a check-pointed point in time	ERA838	2	T	Software	ERA838
ERA30.8.2.1	The system shall provide the capability to recover using check-pointed system state information	ERA30.8.2	The system shall provide the capability to recover from a check-pointed point in time	ERA838	2	T	Software	LM838
ERA30.9	The system shall provide the capability for all services to be eligible for fee bearing status	ERA30.9	The system shall provide the capability for all services to be eligible for fee bearing status	ERA839	2	I	Software	ERA839
ERA30.9.1	The system shall interface with external billing systems	ERA30.9.1	The system shall interface with external billing systems	ERA840	2	T	Software	ERA840
ERA30.9.1.1	The system shall interface with NARA's external billing systems according to the the Interface Requirements Specification	ERA30.9.1	The system shall interface with external billing systems	ERA840	2	T	Software	LM840
ERA30.10	The system shall estimate resource requirements for any ERA-provided service	ERA30.10	The system shall estimate resource requirements for any ERA-provided service	ERA841	3	D	Software	ERA841
ERA30.10.1	The system shall estimate labor time resources requirement for services	ERA30.10	The system shall estimate resource requirements for any ERA-provided service	ERA841	3	D	Software	LM1222

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	Incr.	VM	Allocation	LM ID
ERA30.10.2	The system shall estimate system resources requirements for services	ERA30 10	The system shall estimate resource requirements for any ERA-provided service	ERA841	3	D	Software	LM1223
ERA30 11	The system shall estimate execution time for any service	ERA30.11	The system shall estimate execution time for any service	ERA842	3	D	Software	ERA842
ERA30 11.1	The system shall estimate labor execution time for services	ERA30.11	The system shall estimate execution time for any service	ERA842	3	D	Software	LM1224
ERA30 11.2	The system shall estimate system execution time for services	ERA30.11	The system shall estimate execution time for any service	ERA842	3	D	Software	LM1225
ERA30 12	The system shall provide APIs for all developed services	ERA30 12	The system shall provide APIs for all developed services	ERA843	1	I	Software	ERA843
ERA30 12.1	The system shall provide service based interfaces for developed services	ERA30.12	The system shall provide APIs for all developed services	ERA843	1	I	Software	LM843
ERA30 13	The system shall provide the capability for a service registry	ERA30	The system shall provide service management	ERA821	1	D	Software	LM3172
ERA30 14	The system shall provide the capability to terminate a service	ERA30	The system shall provide service management	ERA821	1	D	Software	LM3173
ERA30.15	The system shall provide the capability to start a service	ERA30	The system shall provide service management	ERA821	1	D	Software	LM3174
ERA31	The system shall meet or exceed specified performance requirements	ERA31	The system shall meet or exceed specified performance requirements	ERA844	1	A	Hardware, Software	ERA844
ERA31 1	The system shall accommodate loads as specified in Appendix B, Table B-2, ERA Record Volume Requirements	ERA31.1	The system shall accommodate loads as specified in Appendix B, Table B-2, ERA Record Volume Requirements	ERA845	1	A	Hardware, Software	ERA845
ERA31.2	The system shall be scalable to one exabyte of total storage without major design changes	ERA31 2	The system shall be scalable to one exabyte of total storage without major design changes	ERA846	1	A	Software	ERA846
ERA31.3	The system shall be scalable to ten teraobjects without major design changes	ERA31.3	The system shall be scalable to ten teraobjects without major design changes	ERA847	1	A	Hardware, Software	ERA847
ERA31.4	The system shall provide response time performance as specified in Appendix B, Table B-3, ERA System Performance Requirements	ERA31.4	The system shall provide response time performance as specified in Appendix B, Table B-3, ERA System Performance Requirements	ERA848	1	T	Hardware, Software	ERA848
ERA32	The system shall meet or exceed specified availability requirements	ERA32	The system shall meet or exceed specified availability requirements	ERA849	5	A	Hardware, Software	ERA849
ERA32 1	The system shall meet or exceed availability requirements as specified in Appendix B, Table B-1, ERA Availability Requirements	ERA32.1	The system shall meet or exceed availability requirements as specified in Appendix B, Table B-1, ERA Availability Requirements	ERA850	5	A	Hardware, Software	ERA850
ERA32 2	The system shall have no single point of failure	ERA32.2	The system shall have no single point of failure	ERA851	1	I	Hardware, Software	ERA851
ERA33	The system shall be designed in the context of NARA's Enterprise Architecture	ERA33	The system shall be designed in the context of NARA's Enterprise Architecture	ERA852	1	A	Hardware, Software	ERA852
ERA33.1	The system shall comply with section 508 of the Rehabilitation Act of 1973	ERA33 1	The system shall comply with section 508 of the Rehabilitation Act of 1973	ERA853	1	T	Software	ERA853

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LM Tag	LM Requirements	RD Trace Tag	ERA PMO Requirements Document Text	RD Trace- ID	Incr.	VM	Allocation	LM ID
ERA33.1.1	The system shall comply with section 508 of the Rehabilitation Act of 1973, as specified in the Human Factors Specification	ERA33.1	The system shall comply with section 508 of the Rehabilitation Act of 1973	ERA853	1	T	Software	LM853

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APPENDIX 30. ERA RD TO SYRS TRACEABILITY TABLE

RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allo- cation	LMUnique ID
ERA1	The system shall manage the disposition of records	ERA1	ERA1	The system shall manage the disposition of records	2	D	Software	ERA1
ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	ERA1.1	The system shall provide the capability to manage disposition agreements	2	D	Software	ERA2
ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	ERA1.1.18	The system shall provide the capability for ERA users to collaborate on disposition agreements	2	D	Software	LM890
ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	ERA1.1.19	The system shall identify modifications of a disposition agreement from another related disposition agreement	1	D	Software	LM893
ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	ERA1.1.20	The system shall identify additions to a disposition agreement from another related disposition agreement	1	D	Software	LM894
ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	ERA1.1.21	The system shall provide the capability to divide a disposition agreement into multiple disposition agreements	1	D	Software	LM895
ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	ERA1.1.22	The system shall provide the capability to merge multiple disposition agreements into one disposition agreement	1	D	Software	LM896
ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	ERA1.1.23	The system shall provide the capability for a user to assign a priority to a disposition agreement	1	D	Software	LM897
ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	ERA1.1.24	The system shall provide the capability for users to associate supporting electronic documents to a disposition agreement	1	D	Software	LM898
ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	ERA1.1.25	The system shall provide the capability for users to copy disposition agreement items from one disposition agreement into another disposition agreement	1	D	Software	LM899
ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	ERA1.1.26	The system shall provide the capability for users to create a disposition agreement package	1	D	Software	LM900
ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	ERA1.1.26.1	The system shall provide the capability for users to associate assets to a disposition agreement package	1	D	Software	LM901
ERA1.1	The system shall provide the capability to manage disposition agreements	ERA2	ERA1.1.26.2	The system shall provide the capability for users to delete assets from a disposition agreement package	1	D	Software	LM902



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA1.1.1	The system shall provide the capability for users to create disposition agreements	ERA3	ERA1.1.1	The system shall provide the capability for users to create disposition agreements	2	D	Software	ERA3
ERA1.1.1	The system shall provide the capability for users to create disposition agreements	ERA3	ERA1.1.4.3.1	The system shall provide the capability for a user to override the suggested disposition instruction	2	D	Software	LM1356
ERA1.1.1	The system shall provide the capability for users to create disposition agreements	ERA3	ERA1.1.4.3.2	The system shall provide the capability for a user to select an alternate workflow for records within a disposition agreement	1	D	Software	LM1357
ERA1.1.1	The system shall provide the capability for users to create templates for disposition agreements	ERA4	ERA1.1.1.1	The system shall provide the capability for users to create templates for disposition agreements	1	D	Software	ERA4
ERA1.1.2	The system shall provide the capability for users to create disposition agreements based on templates	ERA5	ERA1.1.2	The system shall provide the capability for users to create disposition agreements based on templates	1	D	Software	ERA5
ERA1.1.3	The system shall provide the capability for users to create new disposition agreements based on existing disposition agreements	ERA6	ERA1.1.3	The system shall provide the capability for users to create new disposition agreements based on existing disposition agreements	1	D	Software	ERA6
ERA1.1.3	The system shall provide the capability for users to create new disposition agreements based on existing disposition agreements	ERA6	ERA1.1.3.1	The system shall provide the capability for users to create new disposition agreements based on proposed disposition agreements	1	D	Software	LM1355
ERA1.1.3	The system shall provide the capability for users to create new disposition agreements based on existing disposition agreements	ERA6	ERA1.1.3.2	The system shall provide the capability for users to create new disposition agreements based on default disposition agreements	1	D	Software	LM855
ERA1.1.3	The system shall provide the capability for users to create new disposition agreements based on existing disposition agreements	ERA6	ERA1.1.3.3	The system shall provide the capability for users to create new disposition agreements based on approved disposition agreements	1	D	Software	LM6
ERA1.1.4	The system shall create suggested dispositions based on a series of questions answered by the user	ERA7	ERA1.1.4	The system shall create suggested dispositions based on a series of questions answered by the user	2	D	Software	ERA7
ERA1.1.4	The system shall create suggested dispositions based on a series of questions answered by the user	ERA7	ERA1.1.4.3	The system shall indicate to the user the level of confidence that the suggested workflow is appropriate	2	D	Software	LM856
ERA1.1.4	The system shall create suggested dispositions based on a series of questions answered by the user	ERA7	ERA1.1.4.4	The system shall create suggested dispositions based on user responses to system generated questions	2	D	Software	LM7
ERA1.1.4.1	The system shall recommend a workflow for records based on their suggested disposition	ERA8	ERA1.1.4.1	The system shall recommend a workflow for records based on their suggested disposition	2	D	Software	ERA8
ERA1.1.4.2	The system shall indicate the level of confidence in the suggested disposition to the user	ERA9	ERA1.1.4.2	The system shall indicate the level of confidence in the suggested disposition to the user	2	D	Software	ERA9
ERA1.2	The system shall store disposition agreements	ERA10	ERA1.2	The system shall store disposition agreements	1	D	Software	ERA10



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA1.1.2.1	The system shall assign a unique identifier to each disposition agreement	ERA11	ERA1.1.2.1	The system shall assign a unique identifier to each disposition agreement	1	D	Software	ERA11
ERA1.1.2.1	The system shall assign a unique identifier to each disposition agreement	ERA11	ERA1.1.2.1.1	The system shall assign a constant unique identifier to each version of a disposition agreement	1	D	Software	LM11
ERA1.1.3	The system shall provide the capability for users to assign a status to a disposition agreement	ERA12	ERA1.1.3	The system shall provide the capability for users to assign a status to a disposition agreement	1	D	Software	ERA12
ERA1.1.3	The system shall provide the capability for users to assign a status to a disposition agreement	ERA12	ERA1.1.3.2	The system shall provide the capability for users to define rules for transitioning between disposition agreement statuses	1	D	Software	LM859
ERA1.1.3	The system shall provide the capability for users to assign a status to a disposition agreement	ERA12	ERA1.1.3.3	The system shall track the status of disposition agreements	1	T	Software	LM860
ERA1.1.3	The system shall provide the capability for users to assign a status to a disposition agreement	ERA12	ERA1.1.3.4	The system shall provide the capability to notify users on changes to a disposition agreement's status	1	D	Software	LM861
ERA1.1.3	The system shall provide the capability for users to assign a status to a disposition agreement	ERA12	ERA1.1.3.5	The system shall implement user defined rules for transitioning between disposition statuses	1	T	Software	LM862
ERA1.1.3.1	The system shall report on the status of a disposition agreement upon request	ERA13	ERA1.1.3.1	The system shall report on the status of a disposition agreement upon request	1	D	Software	ERA13
ERA1.1.4	The system shall provide the capability for users to modify disposition agreements	ERA14	ERA1.1.3.6	The system shall provide the capability for users to identify disposition agreements with a status of defunct	1	D	Software	LM864
ERA1.1.4	The system shall provide the capability for users to modify disposition agreements	ERA14	ERA1.1.3.6.1	The system shall provide the capability for users to hide defunct disposition agreements from view	1	D	Software	LM865
ERA1.1.4	The system shall provide the capability for users to modify disposition agreements	ERA14	ERA1.1.3.6.2	The system shall provide the capability for users to view defunct disposition agreements	1	D	Software	LM866
ERA1.1.4	The system shall provide the capability for users to modify disposition agreements	ERA14	ERA1.1.4	The system shall provide the capability for users to modify disposition agreements	1	D	Software	ERA14
ERA1.1.4.1	The system shall provide the capability for users to delete disposition agreements	ERA15	ERA1.1.4.1	The system shall provide the capability for users to delete disposition agreements	1	T	Software	ERA15
ERA1.1.5	The system shall manage versioning of disposition agreements	ERA16	ERA1.1.5	The system shall manage versioning of disposition agreements	1	D	Software	ERA16
ERA1.1.5	The system shall manage versioning of disposition agreements	ERA16	ERA1.1.5.1	The system shall maintain the version history of a disposition agreement	1	D	Software	LM867
ERA1.1.5	The system shall manage versioning of disposition agreements	ERA16	ERA1.1.5.2	The system shall provide the capability for a user to create a new version of an approved disposition agreement to allow it to be modified	1	D	Software	LM868
ERA1.1.5	The system shall manage versioning of disposition agreements	ERA16	ERA1.1.5.3	The system shall provide the capability for a user to view versions of a disposition agreement	1	D	Software	LM869



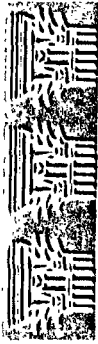
RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA1.1.5	The system shall manage versioning of disposition agreements	ERA16	ERA1.1.5.4	The system shall provide the capability to modify versions of a disposition agreement	1	D	Software	LM870
ERA1.1.5	The system shall manage versioning of disposition agreements	ERA16	ERA1.1.5.5	The system shall provide the capability to delete versions of a disposition agreement	1	D	Software	LM871
ERA1.1.6	The system shall provide the capability to import disposition agreements	ERA17	ERA1.1.6	The system shall provide the capability to import disposition agreements	1	T	Software	ERA17
ERA1.1.6	The system shall provide the capability to import disposition agreements	ERA17	ERA1.1.6.3	The system shall provide the capability to import disposition agreements according to the Interface Requirements Specification	1	T	Software	LM17
ERA1.1.6.1	The system shall provide the capability to import approved disposition agreements	ERA18	ERA1.1.6.1	The system shall provide the capability to import approved disposition agreements	1	T	Software	ERA18
ERA1.1.6.1	The system shall provide the capability to import approved disposition agreements	ERA18	ERA1.1.6.1.1	The system shall provide the capability to import disposition agreements, with a status of "approved", according to the Interface Requirements Specification	1	T	Software	LM18
ERA1.1.6.2	The system shall provide the capability to import proposed disposition agreements	ERA19	ERA1.1.6.2	The system shall provide the capability to import proposed disposition agreements	1	T	Software	ERA19
ERA1.1.6.2	The system shall provide the capability to import proposed disposition agreements	ERA19	ERA1.1.6.2.1	The system shall provide the capability to import disposition agreements, with a status of "proposed", according to the Interface Requirements Specification	1	T	Software	LM19
ERA1.1.7	The system shall provide the capability for users to approve disposition agreements	ERA20	ERA1.1.7	The system shall provide the capability for users to approve disposition agreements	1	D	Software	ERA20
ERA1.1.7	The system shall provide the capability for users to approve disposition agreements	ERA20	ERA1.1.7.2	The system shall provide the capability for users to assign a status of "approved" to disposition agreements	1	D	Software	LM872
ERA1.1.7	The system shall provide the capability for users to approve disposition agreements	ERA20	ERA1.1.7.3	The system shall provide the capability for users to assign a status other than "approved" to disposition agreements	1	D	Software	LM3140
ERA1.1.7.1	The system shall provide the capability for users to submit disposition agreements for approval	ERA21	ERA1.1.7.1	The system shall provide the capability for users to submit disposition agreements for approval	1	D	Software	ERA21
ERA1.1.8	The system shall provide the capability for disposition agreements to contain disposition instructions	ERA22	ERA1.1.8	The system shall provide the capability for disposition agreements to contain disposition instructions	1	D	Software	ERA22
ERA1.1.8	The system shall provide the capability for disposition agreements to contain disposition instructions	ERA22	ERA1.1.8.3	The system shall provide the capability for users to specify disposition instructions for each disposition agreement item	1	T	Software	LM876
ERA1.1.8	The system shall provide the capability for disposition agreements to contain disposition instructions	ERA22	ERA1.1.8.4	The system shall provide the capability for a user to update disposition instructions within a disposition agreement	1	D	Software	LM3297



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allo- cation	LMUnique ID
ERA1 1.8	The system shall provide the capability for disposition agreements to contain disposition instructions	ERA22	ERA1.1.8.5	The system shall provide the capability for a user to delete disposition instructions within a disposition agreement	1	D	Software	LM3298
ERA1.1.8.1	The system shall provide the capability for disposition agreements to contain disposition instructions that can be implemented by the system	ERA23	ERA1.1.8.1	The system shall provide the capability for disposition agreements to contain disposition instructions that can be implemented by the system	1	D	Software	ERA23
ERA1.1.8.1	The system shall provide the capability for disposition agreements to contain disposition instructions that can be implemented by the system	ERA23	ERA1.1.8.1.1	The system shall provide the capability to execute disposition instructions based on a defined syntax	1	D	Software	LM23
ERA1 1.8.2	The system shall check the disposition instructions contained in disposition agreements to ensure that they can be implemented by the system	ERA24	ERA1.1.8.2	The system shall check the disposition instructions contained in disposition agreements to ensure that they can be implemented by the system	1	T	Software	ERA24
ERA1.1.8.2	The system shall check the disposition instructions contained in disposition agreements to ensure that they can be implemented by the system	ERA24	ERA1.1.8.2.1	The system shall verify the disposition instructions contained in disposition agreements to determine if they conform to the defined syntax for disposition instructions	1	T	Software	LM24
ERA1.1.9	The system shall provide the capability for users to define relationships between disposition agreements	ERA25	ERA1.1.9	The system shall provide the capability for users to define relationships between disposition agreements	1	D	Software	ERA25
ERA1 1.10	The system shall provide the capability for users to include records lifecycle data about records in disposition agreements	ERA26	ERA1.1.10	The system shall provide the capability for users to include records lifecycle data about records in disposition agreements	1	D	Software	ERA26
ERA1 1.10	The system shall provide the capability for users to include records lifecycle data about records in disposition agreements	ERA26	ERA1.1.27	The system shall provide the capability for a user to include sample records with disposition agreements	1	D	Software	LM886
ERA1.1.11	The system shall check disposition agreements against NARA standards	ERA27	ERA1.1.11	The system shall check disposition agreements against NARA standards	1	D	Software	ERA27
ERA1.1.11.1	The system shall check disposition agreements for conformance to the appropriate template	ERA28	ERA1.1.11.1	The system shall check disposition agreements for conformance to the appropriate template	1	T	Software	ERA28
ERA1.1.11.1	The system shall check disposition agreements for conformance to the appropriate template	ERA28	ERA1.1.11.1.1	The system shall validate disposition agreements for conformance to the associated templates	1	T	Software	LM28
ERA1 1.11.2	The system shall provide the results of checking the disposition agreement to the user	ERA29	ERA1.1.11.2	The system shall provide the results of checking the disposition agreement to the user	1	D	Software	ERA29
ERA1 1.12	The system shall search existing disposition agreements to identify those related to a proposed disposition agreement	ERA30	ERA1.1.12	The system shall search existing disposition agreements to identify those related to a proposed disposition agreement	1	T	Software	ERA30

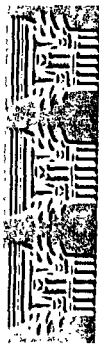


RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA1.1.12	The system shall search existing disposition agreements to identify those related to a proposed disposition agreement	ERA30	ERA1.1.12.3	The system shall display disposition agreements that cover similar records on user request	1	D	Software	LM887
ERA1 1.12	The system shall search existing disposition agreements to identify those related to a proposed disposition agreement	ERA30	ERA1.1 12.4	The system shall display disposition agreements that contain potentially duplicated items on user request	1	D	Software	LM888
ERA1 1.12.1	The system shall compare disposition agreements to identify those which cover similar records	ERA31	ERA1.1 12.1	The system shall compare disposition agreements to identify those which cover similar records	1	T	Software	ERA31
ERA1.1.12.1	The system shall compare disposition agreements to identify those which cover similar records	ERA31	ERA1.1 12 1.1	The system shall compare disposition agreements to identify those which cover similar records based on weighted criteria	1	T	Software	LM31
ERA1 1.12.2	The system shall compare items in proposed disposition agreements with items in existing disposition agreements to identify duplications	ERA32	ERA1.1.12.2	The system shall compare items in proposed disposition agreements with items in existing disposition agreements to identify duplications	1	T	Software	ERA32
ERA1 1 12.2	The system shall compare items in proposed disposition agreements with items in existing disposition agreements to identify duplications	ERA32	ERA1.1.12.2.1	The system shall compare items in proposed disposition agreements with items in approved disposition agreements to identify potential duplications based on weighted criteria	1	T	Software	LM32
ERA1.1 13	The system shall pre-fill agency information from an agency's ERA registration into the disposition agreement when available	ERA33	ERA1.1.13	The system shall pre-fill agency information from an agency's ERA registration into the disposition agreement when available	1	D	Software	ERA33
ERA1 1 13	The system shall pre-fill agency information from an agency's ERA registration into the disposition agreement when available	ERA33	ERA1.1 13.1	The system shall pre-fill available agency information from an agency's ERA registration into the proposed disposition agreement upon creation of the disposition agreement	1	D	Software	LM33
ERA1 1 13	The system shall pre-fill agency information from an agency's ERA registration into the disposition agreement when available	ERA33	ERA1 1.13.2	The system shall provide the capability for users to update agency information in a disposition agreement by importing updated agency registration information	1	D	Software	LMNEW2
ERA1.1 14	The system shall contain default disposition agreements	ERA34	ERA1 1.14	The system shall contain default disposition agreements	1	D	Software	ERA34
ERA1 1.14	The system shall contain default disposition agreements	ERA34	ERA1.1.14.1	The system shall pre-fill proposed disposition agreements with default values	1	D	Software	LM889
ERA1 1.14	The system shall contain default disposition agreements	ERA34	ERA1 1 14 2	The system shall provide the capability for users to identify disposition agreements as default disposition agreements	1	D	Software	LM34
ERA1 1 15	The system shall capture lifecycle data from disposition agreements	ERA35	ERA1.1.15	The system shall capture lifecycle data from disposition agreements	1	D	Software	ERA35
ERA1 1.16	The system shall provide the capability for users to access disposition agreements in all stages of the approval process	ERA36	ERA1.1 16	The system shall provide the capability for users to access disposition agreements in all stages of the approval process	1	D	Software	ERA36



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ERA1.1.17	The system shall report on whether records are covered by more than one disposition agreement	ERA37	ERA1.1.17	The system shall report on whether records are covered by more than one disposition agreement	1	D	Software	ERA37
ERA1.1.17	The system shall report on whether records are covered by more than one disposition agreement	ERA37	ERA1.1.17.1	The system shall provide the capability to provide a report listing records which are covered by multiple disposition agreements	1	D	Software	LM37
ERA1.2	The system shall manage requests to transfer records	ERA38	ERA1.2	The system shall manage requests to transfer records	1	D	Software	ERA38
ERA1.2	The system shall manage requests to transfer records	ERA38	ERA1.2.8	The system shall maintain a status of a transfer request	1	D	Software	LM906
ERA1.2	The system shall manage requests to transfer records	ERA38	ERA1.2.9	The system shall provide the capability to track the status of a transfer request	1	D	Software	LM907
ERA1.2	The system shall manage requests to transfer records	ERA38	ERA1.2.10	The system shall provide the capability for the system to disallow a transfer	1	D	Software	LM3338
ERA1.2.1	The system shall confirm that the transfer is authorized	ERA39	ERA1.2.1	The system shall confirm that the transfer is authorized	1	D	Software	ERA39
ERA1.2.1.1	The system shall store information about the authorization to transfer	ERA40	ERA1.2.1.1	The system shall store information about the authorization to transfer	1	D	Software	ERA40
ERA1.2.1.1	The system shall store information about the authorization to transfer	ERA40	ERA1.2.1.1.1	The system shall include a link to the transfer authorization information in the record lifecycle data for each transferred record	1	D	Software	LM903
ERA1.2.1.2	The system shall confirm that the transfer is covered under an existing disposition agreement	ERA41	ERA1.2.1.2	The system shall confirm that the transfer is covered under an existing disposition agreement	1	D	Software	ERA41
ERA1.2.1.2	The system shall confirm that the transfer is covered under an existing disposition agreement	ERA41	ERA1.2.1.2.1	The system shall confirm that the transfer request and transferred records are covered under an existing disposition agreement	1	D	Software	LM41
ERA1.2.1.3	The system shall confirm that the user initiating the transfer is authorized to do so	ERA42	ERA1.2.1.3	The system shall confirm that the user initiating the transfer is authorized to do so	1	D	Software	ERA42
ERA1.2.2	The system shall store information about the volume of the transfer	ERA43	ERA1.2.2	The system shall store information about the volume of the transfer	1	D	Software	ERA43
ERA1.2.2	The system shall store information about the volume of the transfer	ERA43	ERA1.2.2.1	The system shall store information about the size of the transfer	1	D	Software	LM43
ERA1.2.3	The system shall store information about the duration of the transfer	ERA44	ERA1.2.3	The system shall store information about the duration of the transfer	1	D	Software	ERA44
ERA1.2.4	The system shall provide the capability to associate transfers with registered templates	ERA45	ERA1.2.4	The system shall provide the capability to associate transfers with registered templates	1	D	Software	ERA45
ERA1.2.4	The system shall provide the capability to associate transfers with registered templates	ERA45	ERA1.2.4.1	The system shall provide the capability to associate transfers with approved templates	1	D	Software	LM45
ERA1.2.5	The system shall provide the capability to disallow the transfer of records	ERA46	ERA1.2.5	The system shall provide the capability to disallow the transfer of records	1	D	Software	ERA46

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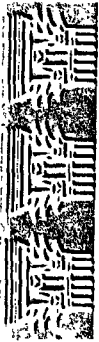


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ERA1 2.5	The system shall provide the capability to disallow the transfer of records	ERA46	ERA1 2.5 1	The system shall provide the capability for users to disallow a transfer of records	1	D	Software	LM46
ERA1 2.6	The system shall manage requests by transferring entities to ERA	ERA47	ERA1.2.6	The system shall manage requests by transferring entities to ERA	1	D	Software	ERA47
ERA1.2.6	The system shall manage requests by transferring entities to ERA	ERA47	ERA1 2.6.1	The system shall receive requests by transferring entities to ERA according to the Interface Requirements Specification	1	D	Software	LM47
ERA1 2.7	The system shall manage requests by NARA to transfer records from transferring entities to ERA	ERA48	ERA1 2.7	The system shall manage requests by NARA to transfer records from transferring entities to ERA	1	D	Software	ERA48
ERA1 2.7	The system shall manage requests by NARA to transfer records from transferring entities to ERA	ERA48	ERA1.2.7.1	The system shall provide the capability for a user to request the transfer of records from transferring entities to ERA	1	D	Software	LM48
ERA1 3	The system shall provide the capability to transfer legal custody of records to NARA	ERA49	ERA1.3	The system shall provide the capability to transfer legal custody of records to NARA	1	D	Software	ERA49
ERA1 3.1	The system shall provide the capability to obtain formal acceptance of records into NARA legal custody	ERA50	ERA1.3.1	The system shall provide the capability to obtain formal acceptance of records into NARA legal custody	1	D	Software	ERA50
ERA1 3.1.1	The system shall provide the capability to disapprove the acceptance of records into NARA legal custody	ERA51	ERA1.3.1.1	The system shall provide the capability to disapprove the acceptance of records into NARA legal custody	1	D	Software	ERA51
ERA1.3.1.2	The system shall obtain appropriate authorizations from NARA to accept records into NARA legal custody	ERA52	ERA1 3.1.2	The system shall obtain appropriate authorizations from NARA to accept records into NARA legal custody	1	D	Software	ERA52
ERA1 3.1.2	The system shall obtain appropriate authorizations from NARA to accept records into NARA legal custody	ERA52	ERA1 3.1.2.1	The system shall capture authorizations from NARA to accept records into NARA legal custody	1	D	Software	LM52
ERA1 3.1.3	The system shall obtain appropriate authorizations from transferring entities to accept records into NARA legal custody	ERA53	ERA1.3.1.3	The system shall obtain appropriate authorizations from transferring entities to accept records into NARA legal custody	1	D	Software	ERA53
ERA1 3.1.3	The system shall obtain appropriate authorizations from transferring entities to accept records into NARA legal custody	ERA53	ERA1 3.1.3.1	The system shall capture authorizations from transferring entities to accept records into NARA legal custody	1	D	Software	LM53
ERA1 3.2	The system shall require appropriate authorization prior to the destruction of electronic records that were appraised as permanent	ERA54	ERA1 3.2	The system shall require appropriate authorization prior to the destruction of electronic records that were appraised as permanent	1	D	Software	ERA54



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA1 3 2	The system shall require appropriate authorization prior to the destruction of electronic records that were appraised as permanent	ERA54	ERA1.3.2.1	The system shall provide the capability to require authorization prior to the destruction of electronic records that were appraised as temporary	1	D	Software	LM3299
ERA1.4	The system shall provide the capability to export any electronic record from ERA to other entities	ERA55	ERA1 4	The system shall provide the capability to export any electronic record from ERA to other entities	2	T	Software	ERA55
ERA1 4 1	The system shall provide the capability to export individual electronic records from ERA to other entities	ERA56	ERA1.4.1	The system shall provide the capability to export individual electronic records from ERA to other entities	2	T	Software	ERA56
ERA1 4.1	The system shall provide the capability to export individual electronic records from ERA to other entities	ERA56	ERA1.4.1.1	The system shall provide the capability to export individual electronic records from ERA to other entities, in accordance with the Interface Requirements Specification	2	T	Software	LM56
ERA1 4 2	The system shall provide the capability to export sets of electronic records from ERA to other entities	ERA57	ERA1.4.2	The system shall provide the capability to export sets of electronic records from ERA to other entities	2	T	Software	ERA57
ERA1 4 2	The system shall provide the capability to export sets of electronic records from ERA to other entities	ERA57	ERA1.4.2.1	The system shall provide the capability to export sets of electronic records from ERA to other entities, in accordance with the Interface Requirements Specification	2	T	Software	LM57
ERA1.4.3	The system shall remove the exported electronic records from ERA	ERA58	ERA1.4.3	The system shall remove the exported electronic records from ERA	2	T	Software	ERA58
ERA1 4 3	The system shall remove the exported electronic records from ERA	ERA58	ERA1 4.3.1	The system shall delete the exported electronic records from ERA upon confirming success of the export to the other entity	2	T	Software	LM58
ERA1 4.4	The system shall provide the capability to export all versions of any electronic record stored in ERA	ERA59	ERA1.4.4	The system shall provide the capability to export all versions of any electronic record stored in ERA	2	T	Software	ERA59
ERA1.4.4	The system shall provide the capability to export all versions of any electronic record stored in ERA	ERA59	ERA1.4.4.1	The system shall provide the capability to export all versions of an electronic record stored in ERA, in accordance with the Interface Requirements Specification	2	T	Software	LM59
ERA1 4 5	The system shall preserve the structure of all digital components when electronic records are exported	ERA60	ERA1 4 5	The system shall preserve the structure of all digital components when electronic records are exported	2	T	Software	ERA60
ERA1 4 5	The system shall preserve the structure of all digital components when electronic records are exported	ERA60	ERA1.4.5.1	The system shall preserve the structure of an electronic record's digital components when that record is exported	2	T	Software	LM60
ERA1 4.6	The system shall preserve the content of all digital components when electronic records are exported	ERA61	ERA1.4.6	The system shall preserve the content of all digital components when electronic records are exported	2	T	Software	ERA61

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ERA1.4.6	The system shall preserve the content of all digital components when electronic records are exported	ERA61	ERA1.4.6.1	The system shall preserve the content of an electronic record's digital components when that record is exported	2	T	Software	LM61
ERA1.4.7	The system shall provide the capability to export electronic records with the records' lifecycle data	ERA62	ERA1.4.7	The system shall provide the capability to export electronic records with the records' lifecycle data	2	T	Software	ERA62
ERA1.4.7	The system shall provide the capability to export electronic records with the records' lifecycle data	ERA62	ERA1.4.7.2	The system shall provide the capability to export electronic records with the records' lifecycle data, in accordance with the Interface Requirements Specification	2	T	Software	LM62
ERA1.4.7.1	The system shall provide the capability to export electronic records without the records' lifecycle data	ERA63	ERA1.4.7.1	The system shall provide the capability to export electronic records without the records' lifecycle data	2	T	Software	ERA63
ERA1.4.7.1	The system shall provide the capability to export electronic records without the records' lifecycle data	ERA63	ERA1.4.7.1.1	The system shall provide the capability to export electronic records without the records' lifecycle data, in accordance with the Interface Requirements Specification	2	T	Software	LM63
ERA1.4.8	The system shall provide the capability to export electronic records with the records' associated descriptions	ERA64	ERA1.4.8	The system shall provide the capability to export electronic records with the records' associated descriptions	2	T	Software	ERA64
ERA1.4.8	The system shall provide the capability to export electronic records with the records' associated descriptions	ERA64	ERA1.4.8.2	The system shall provide the capability to export electronic records with the records' associated descriptions, in accordance with the Interface Requirements Specification	2	T	Software	LM64
ERA1.4.8.1	The system shall provide the capability to export electronic records without the records' associated descriptions	ERA65	ERA1.4.8.1	The system shall provide the capability to export electronic records without the records' associated descriptions	2	T	Software	ERA65
ERA1.4.8.1	The system shall provide the capability to export electronic records without the records' associated descriptions	ERA65	ERA1.4.8.1.1	The system shall provide the capability to export electronic records without the records' associated descriptions, in accordance with the Interface Requirements Specification	2	T	Software	LM65
ERA1.5	The system shall provide the capability to destroy any electronic record	ERA66	ERA1.5	The system shall provide the capability to destroy any electronic record	1	T	Software	ERA66
ERA1.5.1	The system shall provide the capability to queue electronic records for destruction based on disposition instructions	ERA67	ERA1.5.1	The system shall provide the capability to queue electronic records for destruction based on disposition instructions	1	T	Software	ERA67
ERA1.5.1	The system shall provide the capability to queue electronic records for destruction based on disposition instructions	ERA67	ERA1.5.1.1	The system shall provide the capability to select a date on which to destroy electronic records based on disposition instructions	2	T	Software	LM67
ERA1.5.2	The system shall provide the capability for a user to select electronic records for destruction	ERA68	ERA1.5.2	The system shall provide the capability for a user to select electronic records for destruction	1	T	Software	ERA68





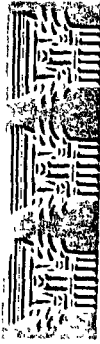
RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA1.5.2	The system shall provide the capability for a user to select electronic records for destruction	ERA68	ERA1.5.2.1	The system shall provide the capability for a user to select a date on which to destroy electronic records	2	T	Software	LM68
ERA1.5.3	The system shall confirm that all required authorizations have been received prior to destroying electronic records	ERA69	ERA1.5.3	The system shall confirm that all required authorizations have been received prior to destroying electronic records	1	T	Software	ERA69
ERA1.5.4	The system shall provide the capability to destroy the electronic records lifecycle data associated with a destroyed electronic record	ERA70	ERA1.5.4	The system shall provide the capability to destroy the electronic records lifecycle data associated with a destroyed electronic record	1	T	Software	ERA70
ERA1.5.4	The system shall provide the capability to destroy the electronic records lifecycle data associated with a destroyed electronic record	ERA70	ERA1.5.4.2	The system shall provide the capability to destroy electronic records lifecycle data	1	T	Software	LM909
ERA1.5.4.1	The system shall provide the capability to destroy electronic records lifecycle data at a different time as the destruction of the electronic record itself	ERA71	ERA1.5.4.1	The system shall provide the capability to destroy electronic records lifecycle data at a different time as the destruction of the electronic record itself	1	T	Software	ERA71
ERA1.5.4.1	The system shall provide the capability to destroy electronic records lifecycle data at a different time as the destruction of the electronic record itself	ERA71	ERA1.5.4.3	The system shall provide the capability to destroy the electronic records while retaining the records' associated lifecycle data	1	T	Software	LM71
ERA1.5.5	The system shall destroy electronic records in accordance with Federal guidance	ERA72	ERA1.5.5	The system shall destroy electronic records in accordance with Federal guidance	1	T	Software	ERA72
ERA1.5.6	The system shall provide the capability to destroy all electronic copies of an electronic record	ERA73	ERA1.5.6	The system shall provide the capability to destroy all electronic copies of an electronic record	1	T	Software	ERA73
ERA1.5.7	The system shall provide the capability to destroy all electronic versions of an electronic record	ERA74	ERA1.5.7	The system shall provide the capability to destroy all electronic versions of an electronic record	1	T	Software	ERA74
ERA1.5.8	The system shall certify the destruction of electronic records	ERA75	ERA1.5.8	The system shall certify the destruction of electronic records	1	I	Software	ERA75
ERA1.5.8.1	The system shall provide documentation to certify the destruction of electronic records	ERA76	ERA1.5.8.1	The system shall provide documentation to certify the destruction of electronic records	1	I	Operations	ERA76
ERA1.5.8.1	The system shall provide documentation to certify the destruction of electronic records	ERA76	ERA1.5.8.1.1	The system shall provide documentation to certify the destruction of electronic records in accordance with agency standards as defined by NARA	1	I	Operations	LM76
ERA1.5.9	The system shall destroy electronic records such that the electronic records cannot be recovered	ERA77	ERA1.5.9	The system shall destroy electronic records such that the electronic records cannot be recovered	1	A	Software, Operations	ERA77

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ERA1.5.9	The system shall destroy electronic records such that the electronic records cannot be recovered	ERA77	ERA1.5.9.1	The system shall provide the capability to destroy electronic records such that the electronic records cannot be recovered according to the standards defined by the transferring entity	2	A	Software, Operations	LM77
ERA1.5.10	The system shall provide the capability to destroy electronic records in accordance with DOD5220.22-M	ERA78	ERA1.5.10	The system shall provide the capability to destroy electronic records in accordance with DOD5220.22-M	2	T	Software	ERA78
ERA1.5.11	The system shall provide the capability to destroy electronic records in accordance with agency standards as defined by NARA	ERA79	ERA1.5.11	The system shall provide the capability to destroy electronic records in accordance with agency standards as defined by NARA	1	A	Software, Operations	ERA79
ERA1.5.12	The system shall provide a configurable retention period for records that have been selected for destruction, wherein the destruction of the records could be averted within the specified timeframe	ERA80	ERA1.5.12	The system shall provide a configurable retention period for records that have been selected for destruction, wherein the destruction of the records could be averted within the specified timeframe	1	D	Software	ERA80
ERA1.5.12	The system shall provide a configurable retention period for records that have been selected for destruction, wherein the destruction of the records could be averted within the specified timeframe	ERA80	ERA1.5.12.1	The system shall provide a configurable retention period for records that have been selected for destruction, wherein a user could cancel the destruction of the records within the specified timeframe	1	D	Software	LM80
ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	2	D	Software	ERA81
ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	ERA1.6.4	The system shall provide the capability for a disposition instruction to be executed on a specified date	2	T	Software	LM878
ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	ERA1.6.4.1	The system shall provide the capability for a user to assign a specific date to an event in a disposition instruction	2	D	Software	LM880
ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	ERA1.6.4.2	The system shall use specified event dates to determine when to execute disposition instructions	2	T	Software	LM881
ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	ERA1.6.5	The system shall provide the capability for a disposition instruction to be executed on a specified event	2	T	Software	LM879
ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	ERA1.6.6	The system shall provide the capability for a user to view disposition instructions within a disposition agreement	1	D	Software	LM884
ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA81	ERA1.6.7	The system shall notify users when disposition instructions contained in disposition agreements cannot be implemented by the system	1	D	Software	LM885





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ERA1 6 1	The system shall provide the capability for users to suspend automatic implementation of any disposition instruction	ERA82	ERA1.6.1	The system shall provide the capability for users to suspend automatic implementation of any disposition instruction	2	D	Software	ERA82
ERA1 6 2	The system shall provide the capability for users to resume automatic implementation of any suspended disposition instruction	ERA83	ERA1 6 2	The system shall provide the capability for users to resume automatic implementation of any suspended disposition instruction	2	D	Software	ERA83
ERA1 6 3	The system shall provide the capability to implement changed disposition instructions	ERA84	ERA1 6 3	The system shall provide the capability to implement changed disposition instructions	2	D	Software	ERA84
ERA1.6.3 1	The system shall recognize when a disposition instruction contained in a disposition agreement has been changed	ERA85	ERA1 6 3.1	The system shall recognize when a disposition instruction contained in a disposition agreement has been changed	2	D	Software	ERA85
ERA1 6 3 2	The system shall identify all records affected by a changed disposition instruction	ERA86	ERA1.6 3 2	The system shall identify all records affected by a changed disposition instruction	2	D	Software	ERA86
ERA1.6.3 3	The system shall implement a changed disposition instruction against all records affected by the disposition instruction change	ERA87	ERA1.6.3 3	The system shall implement a changed disposition instruction against all records affected by the disposition instruction change	2	D	Software	ERA87
ERA1 7	The system shall provide the capability to project scheduled transfers in accordance with disposition agreements	ERA88	ERA1 7	The system shall provide the capability to project scheduled transfers in accordance with disposition agreements	1	D	Software	ERA88
ERA1 7	The system shall provide the capability to project scheduled transfers in accordance with disposition agreements	ERA88	ERA1.7 1	The system shall provide the capability to identify scheduled transfers in accordance with disposition agreements	1	D	Software	LM88
ERA1 8	The system shall provide tools to package records in preparation for transfer to ERA	ERA89	ERA1.8	The system shall provide tools to package records in preparation for transfer to ERA	1	D	Software	ERA89
ERA1.8	The system shall provide tools to package records in preparation for transfer to ERA	ERA89	ERA1.8.1	The system shall provide tools for packaging associating transfer agreements, disposition agreements, and templates with records into a self-describing format for transfer to ERA	1	D	Software	LM89
ERA1 9	The system shall provide tools for the transfer of records to ERA	ERA90	ERA1.9	The system shall provide tools for the transfer of records to ERA	1	D	Software	ERA90
ERA1 10	The system shall provide the capability to exchange records with records management applications that comply with DOD-STD 5015 2	ERA91	ERA1.10	The system shall provide the capability to exchange records with records management applications that comply with DOD-STD 5015 2	2	D	Software	ERA91
ERA1.10	The system shall provide the capability to exchange records with records management applications that comply with DOD-STD 5015 2	ERA91	ERA1 10.1	The system shall provide the capability to receive records from records management applications that comply with DOD-STD 5015 2 according to the Interface Requirements Specification	1	D	Software	LM91



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ERA1 10	The system shall provide the capability to exchange records with records management applications that comply with DOD-STD 5015 2	ERA91	ERA1.10.2	The system shall provide the capability to send records to records management applications that comply with DOD-STD 5015.2 according to the Interface Requirements Specification	2	D	Software	LM910
ERA1.11	The system shall provide capabilities for appraisal	ERA92	ERA1.11	The system shall provide capabilities for appraisal	2	D	Software	ERA92
ERA1.11	The system shall provide capabilities for appraisal	ERA92	ERA1 11 7	The system shall provide the capability to collaborate on appraisal reports	2	D	Software	LM912
ERA1 11	The system shall provide capabilities for appraisal	ERA92	ERA1 11 7 1	The system shall provide the capability to capture comments on appraisal reports	2	D	Software	LM3301
ERA1 11	The system shall provide capabilities for appraisal	ERA92	ERA1.11.7.2	The system shall provide the capability to access comments on appraisal reports	2	D	Software	LM3302
ERA1 11	The system shall provide capabilities for appraisal	ERA92	ERA1 11 7 3	The system shall provide the capability to update comments on appraisal reports	2	D	Software	LM3303
ERA1 11	The system shall provide capabilities for appraisal	ERA92	ERA1.11 7.4	The system shall provide the capability to delete comments on appraisal reports	2	D	Software	LM3304
ERA1 11	The system shall provide capabilities for appraisal	ERA92	ERA1 11 7 5	The system shall provide the capability to capture responses to comments on appraisal reports	2	D	Software	LM3305
ERA1 11	The system shall provide capabilities for appraisal	ERA92	ERA1.11 7.6	The system shall provide the capability to access responses to comments on appraisal reports	2	D	Software	LM3306
ERA1 11	The system shall provide capabilities for appraisal	ERA92	ERA1.11.7.7	The system shall provide the capability to update responses to comments on appraisal reports	2	D	Software	LM3307
ERA1 11	The system shall provide capabilities for appraisal	ERA92	ERA1 11 7 8	The system shall provide the capability to delete responses to comments on appraisal reports	2	D	Software	LM3308
ERA1 11	The system shall provide capabilities for appraisal	ERA92	ERA1.11.8	The system shall maintain the version history of an appraisal report	2	D	Software	LM913
ERA1 11	The system shall provide capabilities for appraisal	ERA92	ERA1.11.9	The system shall assign a constant unique identifier to each version of an appraisal report	2	D	Software	LM914
ERA1 11	The system shall provide capabilities for appraisal	ERA92	ERA1.11.10	The system shall provide capabilities to appraise records	2	D	Software	LM92
ERA1 11.1	The system shall provide the capability for users to create appraisal reports	ERA93	ERA1 11 1	The system shall provide the capability for users to create appraisal reports	2	D	Software	ERA93
ERA1.11.1	The system shall provide the capability for users to create appraisal reports	ERA93	ERA1.11 1.1	The system shall create a new version of an approved appraisal report to allow it to be modified	2	D	Software	LM93
ERA1 11.2	The system shall provide the capability for users to access appraisal reports	ERA94	ERA1.11 2	The system shall provide the capability for users to access appraisal reports	2	D	Software	ERA94



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ERA1 11.2	The system shall provide the capability for users to access appraisal reports	ERA94	ERA1 11.2.1	The system shall provide the capability to output a version of an appraisal report	2	D	Software	LM3300
ERA1 11.2	The system shall provide the capability for users to access appraisal reports	ERA94	ERA1 11.2.2	The system shall provide the capability to present a version of an appraisal report	2	D	Software	LM94
ERA1 11.3	The system shall provide the capability for users to modify appraisal reports	ERA95	ERA1 11.3	The system shall provide the capability for users to modify appraisal reports	2	D	Software	ERA95
ERA1 11.3	The system shall provide the capability for users to modify appraisal reports	ERA95	ERA1.11.3.1	The system shall provide the capability for a user to modify versions of an appraisal report	2	D	Software	LM95
ERA1 11.4	The system shall provide the capability for users to delete appraisal reports	ERA96	ERA1.11.4	The system shall provide the capability for users to delete appraisal reports	2	D	Software	ERA96
ERA1 11.4	The system shall provide the capability for users to delete appraisal reports	ERA96	ERA1 11.4.1	The system shall provide the capability for a user to delete a version of an appraisal report	2	D	Software	LM96
ERA1 11.5	The system shall provide the capability to associate appraisal reports with disposition agreements	ERA97	ERA1 11.5	The system shall provide the capability to associate appraisal reports with disposition agreements	2	D	Software	ERA97
ERA1.11.5.1	The system shall provide the capability to associate appraisal reports with items in disposition agreements	ERA98	ERA1.11.5.1	The system shall provide the capability to associate appraisal reports with items in disposition agreements	2	D	Software	ERA98
ERA1 11.6	The system shall capture lifecycle data from appraisal reports	ERA99	ERA1.11.6	The system shall capture lifecycle data from appraisal reports	2	T	Software	ERA99
ERA1 11.6	The system shall capture lifecycle data from appraisal reports	ERA99	ERA1.11.6.1	The system shall extract lifecycle data from appraisal reports	2	T	Software	LM99
ERA1 11.6	The system shall capture lifecycle data from appraisal reports	ERA99	ERA1 11.6.2	The system shall store lifecycle data extracted from appraisal reports	2	T	Software	LM911
ERA2	The system shall provide workflow management	ERA100	ERA2	The system shall provide workflow management	3	D	Software	ERA100
ERA2 1	The system shall invoke its services based on business rules	ERA101	ERA2.1	The system shall invoke its services based on business rules	1	D	Software	ERA101
ERA2 1.1	The system shall provide the capability to define business rules to the system	ERA102	ERA2.1.1	The system shall provide the capability to define business rules to the system	1	D	Software	ERA102
ERA2.1.2	The system shall provide the capability for mandatory approvals as exit criteria for business processes	ERA103	ERA2 1.2	The system shall provide the capability for mandatory approvals as exit criteria for business processes	1	D	Software	ERA103
ERA2 2	The system shall provide the capability to manage units of work	ERA104	ERA2.2	The system shall provide the capability to manage units of work	1	D	Software	ERA104
ERA2.2	The system shall provide the capability to manage units of work	ERA104	ERA2.2.2.1	The system shall provide the capability to modify the assignment of sets of records to units of work	1	D	Software	LM1050
ERA2 2	The system shall provide the capability to manage units of work	ERA104	ERA2 2.2.2	The system shall provide the capability to delete the assignment of sets of records to units of work	1	D	Software	LM1051

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ERA2.2	The system shall provide the capability to manage units of work	ERA104	ERA2.2.2.3	The system shall provide the capability to rollback changes associated with records that are deleted from a unit of work	1	D	Software	LM1052
ERA2.2	The system shall provide the capability to manage units of work	ERA104	ERA2.2.10	The system shall provide the capability to update the status of a unit of work	1	D	Software	LM1053
ERA2.2	The system shall provide the capability to manage units of work	ERA104	ERA2.2.11	The system shall provide the capability to cancel processing of units of work	1	D	Software	LM3141
ERA2.2.1	The system shall provide the capability to define units of work	ERA105	ERA2.2.1	The system shall provide the capability to define units of work	1	D	Software	ERA105
ERA2.2.2	The system shall provide the capability to assign sets of records to units of work	ERA106	ERA2.2.2	The system shall provide the capability to assign sets of records to units of work	1	D	Software	ERA106
ERA2.2.3	The system shall provide the capability to queue units of work	ERA107	ERA2.2.3	The system shall provide the capability to queue units of work	1	T	Software	ERA107
ERA2.2.4	The system shall provide the capability to suspend processing of units of work	ERA108	ERA2.2.4	The system shall provide the capability to suspend processing of units of work	1	D	Software	ERA108
ERA2.2.5	The system shall provide the capability to resume processing of units of work that were suspended	ERA109	ERA2.2.5	The system shall provide the capability to resume processing of units of work that were suspended	1	D	Software	ERA109
ERA2.2.6	The system shall provide the capability to track the status of units of work	ERA110	ERA2.2.6	The system shall provide the capability to track the status of units of work	1	D	Software	ERA110
ERA2.2.7	The system shall report on the status of units of work	ERA111	ERA2.2.7	The system shall report on the status of units of work	1	D	Software	ERA111
ERA2.2.8	The system shall provide the capability to define timeframes for completion of units of work	ERA112	ERA2.2.8	The system shall provide the capability to define timeframes for completion of units of work	1	D	Software	ERA112
ERA2.2.9	The system shall provide the status of a unit of work at completion	ERA113	ERA2.2.9	The system shall provide the status of a unit of work at completion	1	D	Software	ERA113
ERA2.3	The system shall provide the capability to manage workflows	ERA114	ERA2.3	The system shall provide the capability to manage workflows	1	D	Software	ERA114
ERA2.3.1	The system shall provide the capability to create workflows	ERA115	ERA2.3.1	The system shall provide the capability to create workflows	1	D	Software	ERA115
ERA2.3.2	The system shall provide the capability to delete workflows	ERA116	ERA2.3.2	The system shall provide the capability to delete workflows	1	D	Software	ERA116
ERA2.3.3	The system shall provide the capability to integrate forms into workflows	ERA117	ERA2.3.3	The system shall provide the capability to integrate forms into workflows	1	D	Software	ERA117
ERA2.3.4	The system shall provide the capability to modify workflows	ERA118	ERA2.3.4	The system shall provide the capability to modify workflows	1	D	Software	ERA118
ERA2.3.5	The system shall provide the capability to manage multiple workflows simultaneously	ERA119	ERA2.3.5	The system shall provide the capability to manage multiple workflows simultaneously	1	D	Software	ERA119
ERA2.3.6	The system shall enforce sequential completion of workflows	ERA120	ERA2.3.6	The system shall enforce sequential completion of workflows	1	D	Software	ERA120

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ERA2.3.6	The system shall enforce sequential completion of workflows	ERA120	ERA2.3.6.1	The system shall provide the capability to enforce sequential completion within workflows	1	D	Software	LM120
ERA2.4	The system shall provide the capability for dynamic manipulation of workflows	ERA121	ERA2.4	The system shall provide the capability for dynamic manipulation of workflows	2	D	Software	ERA121
ERA2.4	The system shall provide the capability for dynamic manipulation of workflows	ERA121	ERA2.4.6	The system shall provide the capability to set the priority of a workflow	2	T	Software	LM1055
ERA2.4.1	The system shall provide the capability to queue workflows	ERA122	ERA2.4.1	The system shall provide the capability to queue workflows	1	T	Software	ERA122
ERA2.4.2	The system shall provide the capability to suspend workflows	ERA123	ERA2.4.2	The system shall provide the capability to suspend workflows	1	D	Software	ERA123
ERA2.4.3	The system shall provide the capability to resume a suspended workflow	ERA124	ERA2.4.3	The system shall provide the capability to resume a suspended workflow	1	D	Software	ERA124
ERA2.4.4	The system shall provide the capability to cancel a workflow	ERA125	ERA2.4.4	The system shall provide the capability to cancel a workflow	1	D	Software	ERA125
ERA2.4.4	The system shall provide the capability to cancel a workflow	ERA125	ERA2.4.4.1	The system shall provide the capability to rollback changes associated with records that are in a canceled workflow	1	T	Software	LM1054
ERA2.4.5	The system shall provide the capability to adjust the priority of a workflow	ERA126	ERA2.4.5	The system shall provide the capability to adjust the priority of a workflow	2	T	Software	ERA126
ERA2.5	The system shall estimate resource requirements associated with a workflow	ERA127	ERA2.5	The system shall estimate resource requirements associated with a workflow	3	T	Software	ERA127
ERA2.5	The system shall estimate resource requirements associated with a workflow	ERA127	ERA2.5.2	The system shall provide the capability to collect resource metrics for workflows	3	T	Software	LM1137
ERA2.5.1	The system shall make estimated resource requirements associated with a workflow available to other systems	ERA128	ERA2.5.1	The system shall make estimated resource requirements associated with a workflow available to other systems	3	T	Software	ERA128
ERA2.5.1	The system shall make estimated resource requirements associated with a workflow available to other systems	ERA128	ERA2.5.1.1	The system shall make estimated resource requirements associated with a workflow available to other systems in accordance with the Interface Requirements Specification	3	T	Software	LM128
ERA2.6	The system shall manage online forms	ERA129	ERA2.6	The system shall manage online forms	1	D	Software	ERA129
ERA2.6	The system shall manage online forms	ERA129	ERA2.6.9	The system shall provide the capability for users to submit filled out online forms	1	T	Software	LM1060
ERA2.6.1	The system shall provide the capability for users to create online forms	ERA130	ERA2.6.1	The system shall provide the capability for users to create online forms	1	D	Software	ERA130
ERA2.6.2	The system shall provide the capability for users to access online forms	ERA131	ERA2.6.2	The system shall provide the capability for users to access online forms	1	D	Software	ERA131
ERA2.6.3	The system shall check online forms for correctness	ERA132	ERA2.6.3	The system shall check online forms for correctness	1	T	Software	ERA132

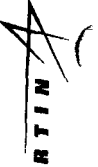


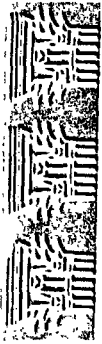
RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA2.6.3	The system shall check online forms for correctness	ERA132	ERA2.6.3.1	The system shall validate that the declared types of the attributes on the online form match the declared types of the associated attributes in the data store	1	T	Software	LM1056
ERA2.6.3	The system shall check online forms for correctness	ERA132	ERA2.6.3.2	The system shall validate spelling of text on online forms	1	T	Software	LM1057
ERA2.6.4	The system shall provide the capability for users to update online forms	ERA133	ERA2.6.4	The system shall provide the capability for users to update online forms	1	D	Software	ERA133
ERA2.6.5	The system shall provide the capability for users to delete online forms	ERA134	ERA2.6.5	The system shall provide the capability for users to delete online forms	1	D	Software	ERA134
ERA2.6.6	The system shall provide the capability for users to fill out online forms	ERA135	ERA2.6.6	The system shall provide the capability for users to fill out online forms	1	D	Software	ERA135
ERA2.6.7	The system shall provide the capability for users to approve filled out forms	ERA136	ERA2.6.7	The system shall provide the capability for users to approve filled out forms	1	D	Software	ERA136
ERA2.6.8	The system shall check user supplied data on online forms	ERA137	ERA2.6.8	The system shall check user supplied data on online forms	1	T	Software	ERA137
ERA2.6.8	The system shall check user supplied data on online forms	ERA137	ERA2.6.8.1	The system shall verify user supplied data on online forms for data type	1	T	Software	LM1058
ERA2.6.8	The system shall check user supplied data on online forms	ERA137	ERA2.6.8.2	The system shall verify user supplied data on online forms for specified data ranges	1	T	Software	LM1059
ERA2.6.8	The system shall check user supplied data on online forms	ERA137	ERA2.6.8.3	The system shall verify user supplied data on online forms against pre-defined constraints	1	T	Software	LM3142
ERA2.7	The system shall provide the capability to notify users about workflow processes	ERA138	ERA2.7	The system shall provide the capability to notify users about workflow processes	1	D	Software	ERA138
ERA2.7.1	The system shall provide the capability to associate notifications with workflows	ERA139	ERA2.7.1	The system shall provide the capability to associate notifications with workflows	1	T	Software	ERA139
ERA2.7.2	The system shall provide the capability to change notifications attached to workflows	ERA140	ERA2.7.2	The system shall provide the capability to change notifications attached to workflows	1	D	Software	ERA140
ERA2.7.3	The system shall provide the capability to delete notifications attached to workflows	ERA141	ERA2.7.3	The system shall provide the capability to delete notifications attached to workflows	1	D	Software	ERA141
ERA2.8	The system shall provide the capability to assign tasks to users based on business rules	ERA142	ERA2.8	The system shall provide the capability to assign tasks to users based on business rules	1	T	Software	ERA142
ERA2.8	The system shall provide the capability to assign tasks to users based on business rules	ERA142	ERA2.8.4	The system shall provide the capability for a user to move a task from one queue to another queue	1	T	Software	LM1061
ERA2.8	The system shall provide the capability to assign tasks to users based on business rules	ERA142	ERA2.8.5	The system shall provide the capability for escalation at workflow steps	1	T	Software	LM1062
ERA2.8.1	The system shall provide the capability to queue tasks	ERA143	ERA2.8.1	The system shall provide the capability to queue tasks	1	T	Software	ERA143
ERA2.8.2	The system shall provide the capability for users to view queues of tasks	ERA144	ERA2.8.2	The system shall provide the capability for users to view queues of tasks	1	D	Software	ERA144

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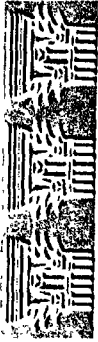
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ERA2 8 3	The system shall provide the capability for users to select tasks from queues of work assigned to them	ERA145	ERA2.8.3	The system shall provide the capability for users to select tasks from queues of work assigned to them	1	D	Software	ERA145
ERA2 9	The system shall provide the capability to prioritize any queue	ERA146	ERA2 9	The system shall provide the capability to prioritize any queue	2	T	Software	ERA146
ERA2 9	The system shall provide the capability to prioritize any queue	ERA146	ERA2.9.1	The system shall provide the capability to prioritize one queue over another queue	1	T	Software	LM1063
ERA2.9	The system shall provide the capability to prioritize any queue	ERA146	ERA2.9.2	The system shall provide the capability to prioritize objects within a queue	2	T	Software	LM1064
ERA2 10	The system shall manage FOIA requests	ERA147	ERA2.10	The system shall manage FOIA requests	2	D	Software, Operations	ERA147
ERA2.10	The system shall manage FOIA requests	ERA147	ERA2.10.1	The system shall provide the capability for a user to create a FOIA request	2	D	Software	LM1226
ERA2 10	The system shall manage FOIA requests	ERA147	ERA2.10.1.1	The system shall assign a constant unique identifier for each FOIA request	2	D	Software	LM1227
ERA2 10	The system shall manage FOIA requests	ERA147	ERA2.10.1.2	The system shall provide the capability to queue FOIA requests	2	D	Software	LM1228
ERA2 10	The system shall manage FOIA requests	ERA147	ERA2.10.2	The system shall provide the capability for a user to update a FOIA request	2	D	Software	LM1229
ERA2.10	The system shall manage FOIA requests	ERA147	ERA2.10.3	The system shall provide the capability for a user to delete a FOIA request	2	D	Software	LM1230
ERA2 10	The system shall manage FOIA requests	ERA147	ERA2 10.4	The system shall provide the capability for a user to view a FOIA request	2	D	Software	LM1231
ERA2.10	The system shall manage FOIA requests	ERA147	ERA2.10.5	The system shall provide the capability for a user to enter a FOIA Review Determination	2	D	Software, Operations	LM1232
ERA2.10	The system shall manage FOIA requests	ERA147	ERA2.10.6	The system shall provide the capability to acknowledge FOIA requests	2	D	Software	LM1233
ERA2.10	The system shall manage FOIA requests	ERA147	ERA2.10.7	The system shall provide the capability to assign the status of a FOIA request	2	D	Software	LM1234
ERA2.10	The system shall manage FOIA requests	ERA147	ERA2.10.8	The system shall provide the capability for a user to initiate an Access Review process on assets retrieved for a FOIA request	2	D	Operations	LM1236
ERA2.10	The system shall manage FOIA requests	ERA147	ERA2 10.9	The system shall generate reports on the status of FOIA requests	2	D	Software	LM1237
ERA2 10	The system shall manage FOIA requests	ERA147	ERA2.10.10	The system shall generate reports on the disposition of FOIA requests	2	D	Software	LM3310
ERA2 10	The system shall manage FOIA requests	ERA147	ERA2 10 11	The system shall provide the capability to track the status of FOIA appeals	2	D	Software	LM1238
ERA2 10	The system shall manage FOIA requests	ERA147	ERA2 10 12	The system shall provide the capability to validate FOIA requests	2	D	Software	LM3311
ERA2 10	The system shall manage FOIA requests	ERA147	ERA2 10.13	The system shall monitor the aging of FOIA requests	2	D	Software	LM3312



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ERA2.10	The system shall manage FOIA requests	ERA147	ERA2.10.14	The system shall report aged FOIA requests	2	D	Software	LM3313
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11	The system shall manage Privacy Act requests	3	D	Software, Operations	ERA148
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.1	The system shall provide the capability for a user to create a Privacy Act request	3	D	Software	LM1239
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.1.1	The system shall assign a constant unique identifier for each Privacy Act request	3	D	Software	LM1240
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.2	The system shall provide the capability for a user to view a Privacy Act request	3	D	Software, Operations	LM1242
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.3	The system shall provide the capability for a user to update a Privacy Act request	3	D	Software	LM1243
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.4	The system shall provide the capability for a user to delete a Privacy Act request	3	D	Software	LM1244
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.5	The system shall provide the capability to queue Privacy Act requests	3	D	Software	LM1245
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.6	The system shall provide the capability to assign the status of a Privacy Act request	3	D	Software	LM1246
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.7	The system shall provide the capability to validate Privacy Act requests	3	D	Software	LM1247
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.8	The system shall provide the capability to capture disclosure information relating to a Privacy Act request	3	D	Software, Operations	LM1248
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.9	The system shall record Privacy Act appeal requests	3	D	Software	LM1249
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.10	The system shall provide the capability to capture amendment information relating to a Privacy Act request	3	D	Software	LM1250
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.11	The system shall monitor the aging of Privacy Act Requests	3	D	Software	LM1251
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.12	The system shall provide the capability for a user to initiate an Access Review process on assets retrieved for a Privacy Act request	3	D	Operations	LM1252
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.13	The system shall report aged Privacy Act requests	3	D	Software	LM1253
ERA2.11	The system shall manage Privacy Act requests	ERA148	ERA2.11.14	The system shall provide the capability to acknowledge Privacy Act requests	3	D	Software	LM1241
ERA3	The system shall provide the capability for descriptions	ERA149	ERA3	The system shall provide the capability for descriptions	2	D	Software	ERA149
ERA3	The system shall provide the capability for descriptions	ERA149	ERA3.17	The system shall provide the capability to collaborate on descriptions	2	D	Software	LM937
ERA3	The system shall provide the capability for descriptions	ERA149	ERA3.18	The system shall assign a constant unique identifier to each version of a description	2	D	Software	LM940

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ERA3.1	The system shall provide the capability for description of records at multiple levels	ERA150	ERA3.1	The system shall provide the capability for description of records at multiple levels	2	D	Software	ERA150
ERA3.1.1	The system shall provide the capability for users to describe sets of records	ERA151	ERA3.1.1	The system shall provide the capability for users to describe sets of records	2	D	Software	ERA151
ERA3.1.1.1	The system shall provide the capability to describe collections	ERA152	ERA3.1.1.1	The system shall provide the capability to describe collections	2	D	Software	ERA152
ERA3.1.1.2	The system shall provide the capability to describe record groups	ERA153	ERA3.1.1.2	The system shall provide the capability to describe record groups	2	D	Software	ERA153
ERA3.1.1.3	The system shall provide the capability to describe series	ERA154	ERA3.1.1.3	The system shall provide the capability to describe series	2	D	Software	ERA154
ERA3.1.1.4	The system shall provide the capability to describe file units	ERA155	ERA3.1.1.4	The system shall provide the capability to describe file units	2	D	Software	ERA155
ERA3.1.1.5	The system shall provide the capability to describe any set of records defined by NARA	ERA156	ERA3.1.1.5	The system shall provide the capability to describe any set of records defined by NARA	2	A	Software	ERA156
ERA3.1.2	The system shall provide the capability for item level descriptions	ERA157	ERA3.1.2	The system shall provide the capability for item level descriptions	2	D	Software	ERA157
ERA3.2	The system shall provide the capability for hierarchical descriptions	ERA158	ERA3.2	The system shall provide the capability for hierarchical descriptions	2	D	Software	ERA158
ERA3.2	The system shall provide the capability for hierarchical descriptions	ERA158	ERA3.2.5	The system shall provide the capability to define hierarchical relationships for descriptions	2	D	Software	LM158
ERA3.2.1	The system shall provide the capability for hierarchical descriptions of sets of records	ERA159	ERA3.2.1	The system shall provide the capability for hierarchical descriptions of sets of records	2	D	Software	ERA159
ERA3.2.2	The system shall provide the capability for hierarchical descriptions of organizations	ERA160	ERA3.2.2	The system shall provide the capability for hierarchical descriptions of organizations	2	D	Software	ERA160
ERA3.2.3	The system shall provide the capability for users to define new hierarchical description levels	ERA161	ERA3.2.3	The system shall provide the capability for users to define new hierarchical description levels	2	D	Software	ERA161
ERA3.2.4	The system shall impose no practical limit on the number of hierarchical description levels that may be defined	ERA162	ERA3.2.4	The system shall impose no practical limit on the number of hierarchical description levels that may be defined	2	D	Software	ERA162
ERA3.2.4	The system shall impose no practical limit on the number of hierarchical description levels that may be defined	ERA162	ERA3.2.4.1	The system shall support at least one hundred hierarchical description levels	2	D	Software	LM162
ERA3.3	The system shall provide the capability to create descriptions for all records	ERA163	ERA3.3	The system shall provide the capability to create descriptions for all records	2	D	Software	ERA163
ERA3.3.1	The system shall provide the capability to create descriptions by users	ERA164	ERA3.3.1	The system shall provide the capability to create descriptions by users	2	D	Software	ERA164
ERA3.3.1.1	The system shall provide the capability to create new descriptions by users	ERA165	ERA3.3.1.1	The system shall provide the capability to create new descriptions by users	2	D	Software	ERA165



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ERA3.3.1.2	The system shall provide the capability for users to modify existing descriptions to create new descriptions	ERA166	ERA3.3.1.2	The system shall provide the capability for users to modify existing descriptions to create new descriptions	2	D	Software	ERA166
ERA3.3.1.2	The system shall provide the capability for users to modify existing descriptions to create new descriptions	ERA166	ERA3.3.1.2.1	The system shall provide the capability for users to create new versions of existing descriptions to be able to modify the descriptions	2	D	Software	LM166
ERA3.3.1.3	The system shall provide users with all previously collected records lifecycle data regarding the records to support creation of descriptions	ERA167	ERA3.3.1.3	The system shall provide users with all previously collected records lifecycle data regarding the records to support creation of descriptions	2	D	Software	ERA167
ERA3.3.2	The system shall generate descriptions using information gathered throughout the records lifecycle	ERA168	ERA3.3.2	The system shall generate descriptions using information gathered throughout the records lifecycle	2	D	Software	ERA168
ERA3.3.2.1	The system shall provide the capability for users to select whether or not to have the system create system generated descriptions	ERA169	ERA3.3.2.1	The system shall provide the capability for users to select whether or not to have the system create system generated descriptions	2	D	Software	ERA169
ERA3.3.2.2	The system shall provide the capability for users to select the hierarchical level of system generated descriptions	ERA170	ERA3.3.2.2	The system shall provide the capability for users to select the hierarchical level of system generated descriptions	2	D	Software	ERA170
ERA3.3.2.3	The system shall provide the capability to integrate information provided by approved sources into system generated descriptions	ERA171	ERA3.3.2.3	The system shall provide the capability to integrate information provided by approved sources into system generated descriptions	2	D	Software	ERA171
ERA3.3.2.4	The system shall provide the capability to integrate information provided by other functions of ERA into system generated descriptions	ERA172	ERA3.3.2.4	The system shall provide the capability to integrate information provided by other functions of ERA into system generated descriptions	2	D	Software	ERA172
ERA3.3.2.5	The system shall check the quality of system generated descriptions against NARA-defined standards	ERA173	ERA3.3.2.5	The system shall check the quality of system generated descriptions against NARA-defined standards	2	D	Software	ERA173
ERA3.3.2.5	The system shall check the quality of system generated descriptions against NARA-defined standards	ERA173	ERA3.3.2.5.1	The system shall use a grammar for verifying the quality of descriptions	2	D	Software	LM917
ERA3.3.2.5	The system shall check the quality of system generated descriptions against NARA-defined standards	ERA173	ERA3.3.2.5.2	The system shall provide the capability to implement rules that conform to the grammar for verifying the quality of descriptions	2	D	Software	LM918
ERA3.4	The system shall provide the capability to link descriptions at all levels with the assets they describe	ERA174	ERA3.4	The system shall provide the capability to link descriptions at all levels with the assets they describe	2	D	Software	ERA174
ERA3.4	The system shall provide the capability to link descriptions at all levels with the assets they describe	ERA174	ERA3.4.1	The system shall provide the capability to link descriptions at a hierarchical level with the assets they describe	2	D	Software	LM174

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RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA3.5	The system shall provide the capability to import previously created descriptions from other systems	ERA175	ERA3.5	The system shall provide the capability to import previously created descriptions from other systems	2	D	Software	ERA175
ERA3.5	The system shall provide the capability to import previously created descriptions from other systems	ERA175	ERA3.5.1	The system shall provide the capability for users to select from which systems to import	2	D	Software	LM919
ERA3.5	The system shall provide the capability to import previously created descriptions from other systems	ERA175	ERA3.5.2	The system shall provide the capability to accept an imported description	2	D	Software	LM920
ERA3.5	The system shall provide the capability to import previously created descriptions from other systems	ERA175	ERA3.5.3	The system shall delete all versions of a rejected imported description	2	D	Software	LM921
ERA3.5	The system shall provide the capability to import previously created descriptions from other systems	ERA175	ERA3.5.4	The system shall provide the capability to import descriptions from other systems, in accordance with the Interface Requirements Specification	2	D	Software	LM175
ERA3.6	The system shall provide the capability to export descriptions	ERA176	ERA3.6	The system shall provide the capability to export descriptions	2	D	Software	ERA176
ERA3.6	The system shall provide the capability to export descriptions	ERA176	ERA3.6.1	The system shall provide the capability to output descriptions according to the Interface Requirements Specification	2	D	Software	LM923
ERA3.6	The system shall provide the capability to export descriptions	ERA176	ERA3.6.2	The system shall provide the capability to export descriptions according to the Interface Requirements Specification	2	D	Software	LM176
ERA3.7	The system shall provide the capability to update descriptions	ERA177	ERA3.7	The system shall provide the capability to update descriptions	2	D	Software	ERA177
ERA3.7	The system shall provide the capability to update descriptions	ERA177	ERA3.7.3	The system shall provide the capability to report the records affected when updating a description	2	D	Software	LM924
ERA3.7.1	The system shall provide capability for users to update descriptions	ERA178	ERA3.7.1	The system shall provide capability for users to update descriptions	2	D	Software	ERA178
ERA3.7.1	The system shall provide capability for users to update descriptions	ERA178	ERA3.7.1.1	The system shall provide capability for users to modify versions of a description	2	D	Software	LM178
ERA3.7.2	The system shall update set-level descriptions in response to accretions of additional records to a set	ERA179	ERA3.7.2	The system shall update set-level descriptions in response to accretions of additional records to a set	2	D	Software	ERA179
ERA3.8	The system shall provide the capability to approve descriptions	ERA180	ERA3.8	The system shall provide the capability to approve descriptions	2	D	Software	ERA180
ERA3.9	The system shall provide the capability to manage versioning of descriptions	ERA181	ERA3.9	The system shall provide the capability to manage versioning of descriptions	2	D	Software	ERA181
ERA3.9	The system shall provide the capability to manage versioning of descriptions	ERA181	ERA3.9.1	The system shall maintain the version history of a description	2	D	Software	LM925

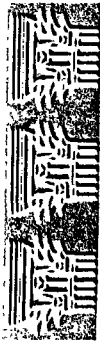


RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA3.9	The system shall provide the capability to manage versioning of descriptions	ERA181	ERA3.9.2	The system shall provide the capability for users to create a new version of an approved description to allow it to be modified	2	D	Software	LM926
ERA3.9	The system shall provide the capability to manage versioning of descriptions	ERA181	ERA3.9.3	The system shall provide the capability for a user to view versions of a description	2	D	Software	LM927
ERA3.10	The system shall provide the capability to assign a status to descriptions to indicate where the description is in the approval process	ERA182	ERA3.10	The system shall provide the capability to assign a status to descriptions to indicate where the description is in the approval process	2	D	Software	ERA182
ERA3.11	The system shall provide the capability to delete descriptions	ERA183	ERA3.11	The system shall provide the capability to delete descriptions	2	D	Software	ERA183
ERA3.11.1	The system shall provide the capability to delete any version of a description	ERA184	ERA3.11.1	The system shall provide the capability to delete any version of a description	2	D	Software	ERA184
ERA3.12	The system shall provide the capability to associate related materials with descriptions	ERA185	ERA3.12	The system shall provide the capability to associate related materials with descriptions	2	D	Software	ERA185
ERA3.12.1	The system shall provide the capability to link to related resources from within descriptions	ERA186	ERA3.12.1	The system shall provide the capability to link to related resources from within descriptions	2	D	Software	ERA186
ERA3.13	The system shall accept description information about records provided in electronic forms	ERA187	ERA3.13	The system shall accept description information about records provided in electronic forms	2	D	Software	ERA187
ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA188	ERA3.14	The system shall provide the capability to include notes fields in descriptions	2	D	Software	ERA188
ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA188	ERA3.14.1	The system shall provide the capability for a user to create notes on descriptions	2	D	Software	LM929
ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA188	ERA3.14.2	The system shall provide the capability for a user to view notes on descriptions	2	D	Software	LM930
ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA188	ERA3.14.3	The system shall provide the capability for a user to modify notes on descriptions	2	D	Software	LM931
ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA188	ERA3.14.4	The system shall provide the capability for a user to delete notes on descriptions	2	D	Software	LM932
ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA188	ERA3.14.5	The system shall provide the capability to capture notes on descriptions	2	D	Software	LM188
ERA3.15	The system shall provide the capability to describe things other than records	ERA189	ERA3.15	The system shall provide the capability to describe things other than records	2	D	Software	ERA189
ERA3.15	The system shall provide the capability to describe things other than records	ERA189	ERA3.15.1	The system shall provide the capability to describe user defined things	2	D	Software	LM3314
ERA3.15	The system shall provide the capability to describe things other than records	ERA189	ERA3.15.2	The system shall provide the capability for users to define things to be described	2	D	Software	LM189
ERA3.15	The system shall provide the capability to describe things other than records	ERA189	ERA3.19	The system shall provide the capability to create descriptions with access restrictions that are different from the access restrictions of the assets being described	2	D	Software	LM3315



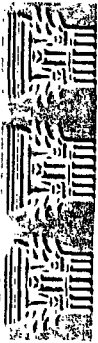


RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA3.16	The system shall provide the capability to annotate records	ERA190	ERA3.16	The system shall provide the capability to annotate records	2	D	Software	ERA190
ERA3.16	The system shall provide the capability to annotate records	ERA190	ERA3.16.1	The system shall provide the capability for a user to create record annotations	2	D	Software	LM933
ERA3.16	The system shall provide the capability to annotate records	ERA190	ERA3.16.2	The system shall provide the capability for a user to view record annotations	2	D	Software	LM934
ERA3.16	The system shall provide the capability to annotate records	ERA190	ERA3.16.3	The system shall provide the capability for a user to modify record annotations	2	D	Software	LM935
ERA3.16	The system shall provide the capability to annotate records	ERA190	ERA3.16.4	The system shall provide the capability for a user to delete record annotations	2	D	Software	LM936
ERA4	The system shall manage authority sources	ERA191	ERA4	The system shall manage authority sources	2	D	Software	ERA191
ERA4	The system shall manage authority sources	ERA191	ERA4.11	The system shall collaborate on authority sources	2	D	Software	LM945
ERA4	The system shall manage authority sources	ERA191	ERA4.12	The system shall maintain the version history of an authority source	2	D	Software	LM946
ERA4	The system shall manage authority sources	ERA191	ERA4.12.1	The system shall provide the capability for a user to view authority source versions	2	D	Software	LM951
ERA4	The system shall manage authority sources	ERA191	ERA4.12.2	The system shall provide the capability for a user to modify authority source versions	2	D	Software	LM952
ERA4	The system shall manage authority sources	ERA191	ERA4.12.3	The system shall provide the capability for a user to delete authority source versions	2	D	Software	LM953
ERA4	The system shall manage authority sources	ERA191	ERA4.13	The system shall create a new version of an authority source to allow it to be modified	2	D	Software	LM947
ERA4	The system shall manage authority sources	ERA191	ERA4.14	The system shall assign a constant unique identifier to each version of an authority source	2	D	Software	LM948
ERA4.1	The system shall provide the capability to create authority sources within ERA	ERA192	ERA4.1	The system shall provide the capability to create authority sources within ERA	2	D	Software	ERA192
ERA4.2	The system shall provide the capability to access authority sources	ERA193	ERA4.2	The system shall provide the capability to access authority sources	2	D	Software	ERA193
ERA4.2	The system shall provide the capability to access authority sources	ERA193	ERA4.2.1	The system shall provide the capability to output authority sources	2	D	Software	LM3316
ERA4.2	The system shall provide the capability to access authority sources	ERA193	ERA4.2.2	The system shall provide the capability to present authority sources	2	D	Software	LM193
ERA4.3	The system shall provide the capability to delete authority sources	ERA194	ERA4.3	The system shall provide the capability to delete authority sources	2	D	Software	ERA194
ERA4.4	The system shall provide the capability to update authority sources	ERA195	ERA4.4	The system shall provide the capability to update authority sources	2	D	Software	ERA195
ERA4.5	The system shall provide the capability to link to authority sources	ERA196	ERA4.5	The system shall provide the capability to link to authority sources	2	D	Software	ERA196
ERA4.6	The system shall provide the capability to import authority sources	ERA197	ERA4.6	The system shall provide the capability to import authority sources	2	D	Software	ERA197

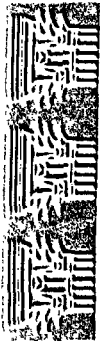


RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA4 6	The system shall provide the capability to import authority sources	ERA197	ERA4 6 1	The system shall provide the capability for users to review results from importing authority sources	2	D	Software	LM942
ERA4 6	The system shall provide the capability to import authority sources	ERA197	ERA4.6.2	The system shall provide the capability for a user to accept imported authority sources	2	D	Software	LM943
ERA4 6	The system shall provide the capability to import authority sources	ERA197	ERA4 6 3	The system shall provide the capability for a user to reject imported authority sources	2	D	Software	LM944
ERA4 6	The system shall provide the capability to import authority sources	ERA197	ERA4.6.4	The system shall provide the capability to import authority sources according to the Interface Requirements Specification	2	D	Software	LM197
ERA4 7	The system shall provide the capability to use authority sources	ERA198	ERA4 7	The system shall provide the capability to use authority sources	2	D	Software	ERA198
ERA4 7.1	The system shall provide the capability to use authority sources during creation of descriptions	ERA199	ERA4 7 1	The system shall provide the capability to use authority sources during creation of descriptions	2	D	Software	ERA199
ERA4 7 2	The system shall provide the capability to use authority sources during searches	ERA200	ERA4.7 2	The system shall provide the capability to use authority sources during searches	2	D	Software	ERA200
ERA4 7 2	The system shall provide the capability to use authority sources during searches	ERA200	ERA4.7 3	The system shall provide the capability to link to authority sources during creation of descriptions	2	D	Software	LM3317
ERA4 7 2	The system shall provide the capability to use authority sources during searches	ERA200	ERA4.7.4	The system shall provide the capability to update authority sources in linked descriptions when the authority source changes	3	D	Software	LM3318
ERA4 8	The system shall manage complex thesauri	ERA201	ERA4 8	The system shall manage complex thesauri	2	D	Software	ERA201
ERA4 9	The system shall provide the capability to combine authority sources	ERA202	ERA4.9	The system shall provide the capability to combine authority sources	2	D	Software	ERA202
ERA4 10	The system shall impose no practical limit on the number of authority sources	ERA203	ERA4.10	The system shall impose no practical limit on the number of authority sources	2	T	Software	ERA203
ERA4 10	The system shall impose no practical limit on the number of authority sources	ERA203	ERA4.10 1	The system shall support at least ten thousand authority sources	2	T	Software	LM203
ERA5	The system shall provide the capability to manage records lifecycle data	ERA204	ERA5	The system shall provide the capability to manage records lifecycle data	1	T	Software	ERA204
ERA5 1	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record managed by the system	ERA205	ERA5 1	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record managed by the system	1	T	Software	ERA205
ERA5 1	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record managed by the system	ERA205	ERA5 1.1	The system shall support at least three thousand lifecycle data elements for each record managed by the system	1	T	Software	LM205



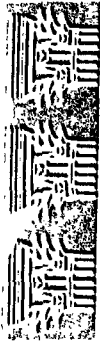


RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA5 2	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record set managed by the system	ERA206	ERA5 2	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record set managed by the system	1	D	Software	ERA206
ERA5 2	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record set managed by the system	ERA206	ERA5 2.1	The system shall support at least three thousand lifecycle data elements per record for each record set managed by the system	1	D	Software	LM206
ERA5 3	The system shall provide the capability to define sets of records lifecycle data elements for sets of electronic records	ERA207	ERA5.3	The system shall provide the capability to define sets of records lifecycle data elements for sets of electronic records	1	D	Software	ERA207
ERA5.4	The system shall extract records lifecycle data elements from electronic records	ERA208	ERA5.4	The system shall extract records lifecycle data elements from electronic records	1	D	Software	ERA208
ERA5 5	The system shall extract records lifecycle data elements from templates	ERA209	ERA5 5	The system shall extract records lifecycle data elements from templates	1	D	Software	ERA209
ERA5 5	The system shall extract records lifecycle data elements from templates	ERA209	ERA5.5 1	The system shall extract records lifecycle data elements from templates	1	D	Software	LM209
ERA5 6	The system shall extract records lifecycle data elements from disposition agreements	ERA210	ERA5.6	The system shall extract records lifecycle data elements from disposition agreements	1	D	Software	ERA210
ERA5 7	The system shall provide the capability to define representation information for electronic records	ERA211	ERA5 7	The system shall provide the capability to define representation information for electronic records	1	D	Software	ERA211
ERA5 7	The system shall provide the capability to define representation information for electronic records	ERA211	ERA5.7 1	The system shall provide the capability for the user to define representation information for electronic records in Archival Metadata Templates	1	D	Software	LM211
ERA5 8	The system shall provide the capability to check that electronic records correspond to their defined representation information	ERA212	ERA5 8	The system shall provide the capability to check that electronic records correspond to their defined representation information	1	D	Software	ERA212
ERA6	The system shall provide capabilities for sample records	ERA213	ERA6	The system shall provide capabilities for sample records	1	D	Software	ERA213
ERA6 1	The system shall provide the capability to accept transfers of sample electronic records	ERA214	ERA6 1	The system shall provide the capability to accept transfers of sample electronic records	1	D	Software	ERA214
ERA6.1	The system shall provide the capability to accept transfers of sample electronic records	ERA214	ERA6.1 1	The system shall provide the capability to accept transfers of sample electronic records, according to the Interface Requirements Specification	1	D	Software	LM214
ERA6.1	The system shall provide the capability to accept transfers of sample electronic records	ERA214	ERA6.1.2	The system shall assign a constant unique identifier to each transfer of sample electronic records	1	D	Software	LM957
ERA6 2	The system shall provide access to transfers of sample records	ERA215	ERA6 2	The system shall provide access to transfers of sample records	1	D	Software	ERA215

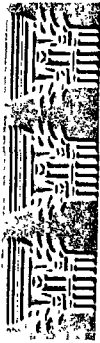


RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allo-cation	LMUnique ID
ERA6 3	The system shall provide the capability to record information resulting from review of sample electronic records	ERA216	ERA6 3	The system shall provide the capability to record information resulting from review of sample electronic records	1	D	Software	ERA216
ERA6 4	The system shall provide the capability to remove sample electronic records	ERA217	ERA6.4	The system shall provide the capability to remove sample electronic records	1	D	Software	ERA217
ERA6 4	The system shall provide the capability to remove sample electronic records	ERA217	ERA6 4 3	The system shall provide the capability to delete sample electronic records	1	D	Software	LM217
ERA6 4.1	The system shall provide the capability to destroy sample electronic records	ERA218	ERA6.4 1	The system shall provide the capability to destroy sample electronic records	1	T	Software	ERA218
ERA6.4 2	The system shall provide the capability to return sample electronic records to the transferring entity	ERA219	ERA6.4 2	The system shall provide the capability to return sample electronic records to the transferring entity	1	A	Software	ERA219
ERA6 5	The system shall provide the capability to use sample electronic records to test system processes	ERA220	ERA6 5	The system shall provide the capability to use sample electronic records to test system processes	1	D	Software	ERA220
ERA6 6	The system shall check the authenticity of sample electronic records	ERA221	ERA6 6	The system shall check the authenticity of sample electronic records	2	D	Software	ERA221
ERA6 6	The system shall check the authenticity of sample electronic records	ERA221	ERA6 6 2	The system shall capture the user's certification of authenticity	1	D	Software, Operations	LM956
ERA6 6	The system shall check the authenticity of sample electronic records	ERA221	ERA6.6.3	The system shall verify the essential characteristics of sample electronic records	2	D	Software	LM221
ERA6 6 1	The system shall report the results of checking sample electronic records	ERA222	ERA6 6.1	The system shall report the results of checking sample electronic records	2	D	Software	ERA222
ERA6.6.1	The system shall report the results of checking sample electronic records	ERA222	ERA6.6 1.1	The system shall report the results of the essential characteristics verification to the user	2	D	Software	LM222
ERA7	The system shall provide the capability to manage templates	ERA223	ERA7	The system shall provide the capability to manage templates	2	D	Software	ERA223
ERA7	The system shall provide the capability to manage templates	ERA223	ERA7 13	The system shall provide the capability for users to collaborate on templates	2	D	Software	LM965
ERA7 1	The system shall provide a template repository	ERA224	ERA7.1	The system shall provide a template repository	1	T	Software	ERA224
ERA7 2	The system shall provide the capability for managing templates within the template repository	ERA225	ERA7.2	The system shall provide the capability for managing templates within the template repository	1	D	Software	ERA225
ERA7 2	The system shall provide the capability for managing templates within the template repository	ERA225	ERA7.2 6	The system shall identify all electronic records associated with a template	1	D	Software	LM958
ERA7.2	The system shall provide the capability for managing templates within the template repository	ERA225	ERA7.2 7	The system shall identify all templates associated with an electronic record	1	D	Software	LM959
ERA7.2 1	The system shall provide the capability for users to submit templates to the template repository	ERA226	ERA7 2 1	The system shall provide the capability for users to submit templates to the template repository	1	D	Software	ERA226



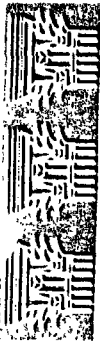


RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA7.2.2	The system shall provide the capability to access templates in the template repository	ERA227	ERA7.2.2	The system shall provide the capability to access templates in the template repository	1	D	Software	ERA227
ERA7.2.2	The system shall provide the capability to access templates in the template repository	ERA227	ERA7.2.2.1	The system shall provide the capability to output versions of a template in the template repository	1	D	Software	LM3319
ERA7.2.2	The system shall provide the capability to access templates in the template repository	ERA227	ERA7.2.2.2	The system shall provide the capability to present versions of a template in the template repository	1	D	Software	LM227
ERA7.2.3	The system shall provide the capability to modify templates in the template repository	ERA228	ERA7.2.3	The system shall provide the capability to modify templates in the template repository	1	D	Software	ERA228
ERA7.2.3	The system shall provide the capability to modify templates in the template repository	ERA228	ERA7.2.3.1	The system shall provide the capability to modify versions of a template in the template repository	1	D	Software	LM228
ERA7.2.4	The system shall provide the capability to delete templates from the template repository	ERA229	ERA7.2.4	The system shall provide the capability to delete templates from the template repository	1	D	Software	ERA229
ERA7.2.4	The system shall provide the capability to delete templates from the template repository	ERA229	ERA7.2.4.1	The system shall provide the capability to delete versions of a template in the template repository	1	D	Software	LM229
ERA7.2.5	The system shall identify templates for which all associated electronic records have been destroyed	ERA230	ERA7.2.5	The system shall identify templates for which all associated electronic records have been destroyed	1	D	Software	ERA230
ERA7.3	The system shall provide the capability to produce draft templates	ERA231	ERA7.3	The system shall provide the capability to produce draft templates	1	D	Software	ERA231
ERA7.4	The system shall provide the capability for users to create new templates	ERA232	ERA7.4	The system shall provide the capability for users to create new templates	1	D	Software	ERA232
ERA7.4.1	The system shall provide the capability to create a new template based on an electronic record	ERA233	ERA7.4.1	The system shall provide the capability to create a new template based on an electronic record	1	D	Software	ERA233
ERA7.4.2	The system shall provide the capability to create a new template based on a disposition agreement	ERA234	ERA7.4.2	The system shall provide the capability to create a new template based on a disposition agreement	1	D	Software	ERA234
ERA7.4.3	The system shall provide the capability to create a new template based on a set of electronic records	ERA235	ERA7.4.3	The system shall provide the capability to create a new template based on a set of electronic records	1	D	Software	ERA235
ERA7.4.4	The system shall provide model templates	ERA236	ERA7.4.4	The system shall provide model templates	1	D	Software	ERA236
ERA7.4.4.1	The system shall provide the capability to create a new template based on a model template	ERA237	ERA7.4.4.1	The system shall provide the capability to create a new template based on a model template	1	D	Software	ERA237
ERA7.5	The system shall provide the capability to approve templates	ERA238	ERA7.5	The system shall provide the capability to approve templates	1	D	Software	ERA238
ERA7.6	The system shall check templates	ERA239	ERA7.6	The system shall check templates	1	A	Software	ERA239



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA7 6.1	The system shall check templates according to user supplied rules	ERA240	ERA7.6.1	The system shall check templates according to user supplied rules	1	A	Software	ERA240
ERA7 6 1.1	The system shall check templates for conformance to applicable NARA standards	ERA241	ERA7 6.1 1	The system shall check templates for conformance to applicable NARA standards	1	A	Software	ERA241
ERA7.6.2	The system shall check templates to ensure their functionality	ERA242	ERA7 6.2	The system shall check templates to ensure their functionality	1	D	Software, Operations	ERA242
ERA7 6 2.1	The system shall provide the results of the template check	ERA243	ERA7 6 2 1	The system shall provide the results of the template check	1	D	Software	ERA243
ERA7 6 2 1	The system shall provide the results of the template check	ERA243	ERA7 6.2.1 1	The system shall provide the results of the template verification to the user	1	D	Software	LM243
ERA7 6 3	The system shall check that templates are well-formed	ERA244	ERA7.6 3	The system shall check that templates are well-formed	1	D	Software	ERA244
ERA7 6 4	The system shall check associations between templates	ERA245	ERA7.6 4	The system shall check associations between templates	1	D	Software	ERA245
ERA7 7	The system shall associate templates with defined domains	ERA246	ERA7.7	The system shall associate templates with defined domains	1	D	Software	ERA246
ERA7 7 1	The system shall provide the capability to associate templates with abstract sets of electronic records	ERA247	ERA7.7 1	The system shall provide the capability to associate templates with abstract sets of electronic records	1	D	Software	ERA247
ERA7.7 2	The system shall provide the capability to associate templates with empirical sets of electronic records	ERA248	ERA7.7 2	The system shall provide the capability to associate templates with empirical sets of electronic records	1	D	Software	ERA248
ERA7 7 3	The system shall provide the capability to associate templates with transactions in the lifecycle management of records	ERA249	ERA7.7.3	The system shall provide the capability to associate templates with transactions in the lifecycle management of records	1	D	Software	ERA249
ERA7.7 4	The system shall provide the capability to associate templates with digital data types	ERA250	ERA7.7 4	The system shall provide the capability to associate templates with digital data types	1	D	Software	ERA250
ERA7 7.5	The system shall provide the capability to associate templates with mappings of one data type to another	ERA251	ERA7 7.5	The system shall provide the capability to associate templates with mappings of one data type to another	1	D	Software	ERA251
ERA7 8	The system shall provide the capability to associate templates with other system objects	ERA252	ERA7 8	The system shall provide the capability to associate templates with other system objects	1	D	Software	ERA252
ERA7 8 1	The system shall provide the capability to associate electronic records with registered templates	ERA253	ERA7 8.1	The system shall provide the capability to associate electronic records with registered templates	1	D	Software	ERA253
ERA7 8 2	The system shall provide the capability to associate disposition agreements with registered templates	ERA254	ERA7.8 2	The system shall provide the capability to associate disposition agreements with registered templates	1	D	Software	ERA254
ERA7 8 3	The system shall provide the capability to associate representation information for electronic records with registered templates	ERA255	ERA7 8 3	The system shall provide the capability to associate representation information for electronic records with registered templates	1	D	Software	ERA255





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ERA7 8.4	The system shall provide the capability to associate registered templates with transactions	ERA256	ERA7.8.4	The system shall provide the capability to associate registered templates with transactions	1	D	Software	ERA256
ERA7 8 5	The system shall provide the capability for registered templates to reference other registered templates	ERA257	ERA7 8.5	The system shall provide the capability for registered templates to reference other registered templates	1	D	Software	ERA257
ERA7 8 5	The system shall provide the capability for registered templates to reference other registered templates	ERA257	ERA7.8 5.1	The system shall provide the capability for approved templates to reference other approved templates	1	D	Software	LM257
ERA7 9	The system shall provide the capability for versioning of templates	ERA258	ERA7.9	The system shall provide the capability for versioning of templates	1	D	Software	ERA258
ERA7.9	The system shall provide the capability for versioning of templates	ERA258	ERA7.9.1	The system shall maintain the version history of templates	1	D	Software	LM961
ERA7 9	The system shall provide the capability for versioning of templates	ERA258	ERA7.9 2	The system shall create a new version of an approved template to allow it to be modified	1	D	Software	LM962
ERA7 9	The system shall provide the capability for versioning of templates	ERA258	ERA7 9.3	The system shall assign a constant unique identifier to each version of a template	1	D	Software	LM963
ERA7 10	The system shall provide the capability for hierarchies of templates	ERA259	ERA7.10	The system shall provide the capability for hierarchies of templates	1	D	Software	ERA259
ERA7 10	The system shall provide the capability for hierarchies of templates	ERA259	ERA7.14	The system shall provide the capability for taxonomies of templates	1	D	Software	LM259
ERA7 11	The system shall provide the capability to import templates from external systems' template repositories into the ERA template repository	ERA260	ERA7.11	The system shall provide the capability to import templates from external systems' template repositories into the ERA template repository	2	D	Software	ERA260
ERA7 11	The system shall provide the capability to import templates from external systems' template repositories into the ERA template repository	ERA260	ERA7.11 1	The system shall provide the capability to import templates from external systems' template repositories into the ERA template repository, in accordance with the Interface Requirements Specification	2	D	Software	LM260
ERA7.12	The system shall provide the capability to output templates	ERA261	ERA7 12	The system shall provide the capability to output templates	2	D	Software	ERA261
ERA7.12	The system shall provide the capability to output templates	ERA261	ERA7 12 1	The system shall provide the capability to output templates, in accordance with the Interface Requirements Specification	2	D	Software	LM261
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8	The system shall provide capabilities for preserving electronic records	2	D	Software	ERA262
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8 10	The system shall provide a registry of data type descriptors	1	D	Software	LM996
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8 10 1	The system shall provide the capability to add data type descriptors to the data type registry	1	D	Software	LM997

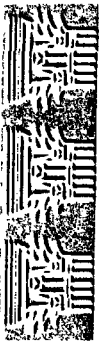
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ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.10.2	The system shall provide the capability to update data type descriptors in the data type registry	1	D	Software	LM998
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.10.3	The system shall provide the capability to access data type descriptors from the data type registry	1	D	Software	LM999
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.10.4	The system shall provide the capability to delete data type descriptors from the data type registry	1	D	Software	LM1000
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.10.5	The system shall provide the capability to search data type descriptors from the data type registry	1	D	Software	LM1001
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.10.6	The system shall provide the capability to list all data type descriptors contained in the data type registry	1	D	Software	LM1002
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.10.7	The system shall maintain the version history of data type descriptors	1	D	Software	LM1005
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.10.7.1	The system shall assign a constant unique identifier to each version of each data type descriptor	1	D	Software	LM1006
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.10.7.2	The system shall create a new version of an approved data type descriptor to allow it to be modified	1	D	Software	LM1007
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.10.7.3	The system shall provide the capability to view versions of a data type descriptor	1	D	Software	LM1008
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.10.7.4	The system shall provide the capability to modify versions of a data type descriptor	1	D	Software	LM1009
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.10.7.5	The system shall provide the capability to delete versions of a data type descriptor	1	D	Software	LM1010
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.11	The system shall provide the capability to validate the purported data type of a digital item	1	T	Software	LM1003
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.12	The system shall report its degree of confidence that it has correctly determined the data type of a digital item	1	D	Software	LM1004
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.13	The system shall provide a registry of digital adaptation descriptors	2	D	Software	LM1012
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.13.1	The system shall provide the capability to add digital adaptation descriptors to the digital adaptation descriptor registry	2	D	Software	LM1014





RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.13.2	The system shall provide the capability to update digital adaptation descriptors in the digital adaptation descriptor registry	2	D	Software	LM1015
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.13.3	The system shall provide the capability to delete digital adaptation descriptors from the digital adaptation descriptor registry	2	D	Software	LM1016
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.13.4	The system shall provide the capability to access digital adaptation descriptors from the digital adaptation descriptor registry	2	D	Software	LM1017
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.13.5	The system shall provide the capability to search digital adaptation descriptors contained in the digital adaptation descriptor registry	2	D	Software	LM1018
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.13.6	The system shall provide the capability to list all digital adaptation descriptors contained in the digital adaptation descriptor registry	2	I	Software	LM1019
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.13.7	The system shall maintain the version history of digital adaptation descriptors	2	D	Software	LM1020
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.13.8	The system shall assign a constant unique identifier to each version of a digital adaptation descriptor	2	D	Software	LM1021
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.14	The system shall provide the capability to associate digital adaptation descriptors with data type descriptors	2	D	Software	LM1013
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.15	The system shall create a new version of an approved digital adaptation descriptor to allow it to be modified	2	D	Software	LM1022
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.16	The system shall provide the capability to view versions of a digital adaptation descriptor	2	D	Software	LM1023
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.17	The system shall provide the capability to modify versions of a digital adaptation descriptor	2	D	Software	LM1024
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.18	The system shall provide the capability to delete versions of a digital adaptation descriptor	2	D	Software	LM1025
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.19	The system shall provide the capability to associate digital adaptation processors with digital adaptation descriptors	2	T	Software	LM1027
ERA8	The system shall provide capabilities for preserving electronic records	ERA262	ERA8.20	The system shall capture a user's certification of authenticity of digital adaptation processors	2	T	Software	LM1028
ERA8.1	The system shall manage the preservation process of electronic records	ERA263	ERA8.1	The system shall manage the preservation process of electronic records	2	D	Software	ERA263



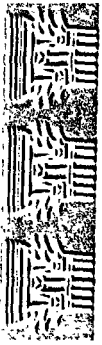
RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	2	D	Software	ERA264
ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	ERA8.1.1.5	The system shall maintain the version history of preservation assessments	2	D	Software	LM968
ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	ERA8.1.1.6	The system shall assign a constant unique identifier to each preservation assessment	2	T	Software	LM969
ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	ERA8.1.1.7	The system shall create a new version of an approved preservation assessment to allow it to be modified	2	T	Software	LM972
ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	ERA8.1.1.8	The system shall provide the capability to view versions of a preservation assessment	2	T	Software	LM973
ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	ERA8.1.1.9	The system shall provide the capability to modify versions of a preservation assessment	2	T	Software	LM974
ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	ERA8.1.1.10	The system shall provide the capability to delete versions of a preservation assessment	2	T	Software	LM975
ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA264	ERA8.1.1.11	The system shall provide the capability to create a preservation assessment	2	D	Software	LM3320
ERA8.1.1.1	The system shall provide the capability for preservation assessments of electronic records scheduled for transfer to NARA	ERA265	ERA8.1.1.1	The system shall provide the capability for preservation assessments of electronic records scheduled for transfer to NARA	2	D	Software	ERA265
ERA8.1.1.1	The system shall provide the capability for preservation assessments of electronic records planned for transfer to NARA but not scheduled	ERA266	ERA8.1.1.1.1	The system shall provide the capability for preservation assessments of electronic records planned for transfer to NARA but not scheduled	2	D	Software	ERA266
ERA8.1.1.2	The system shall provide the capability for preservation assessment of electronic records at the time of ingest	ERA267	ERA8.1.1.2	The system shall provide the capability for preservation assessment of electronic records at the time of ingest	2	D	Software	ERA267
ERA8.1.1.3	The system shall provide the capability for preservation assessment of electronic records already stored in ERA	ERA268	ERA8.1.1.3	The system shall provide the capability for preservation assessment of electronic records already stored in ERA	2	D	Software	ERA268
ERA8.1.1.4	The system shall provide the capability to apply templates in preservation assessment	ERA269	ERA8.1.1.4	The system shall provide the capability to apply templates in preservation assessment	2	D	Software	ERA269
ERA8.1.2	The system shall provide the capability to schedule the automatic execution of preservation processing	ERA270	ERA8.1.2	The system shall provide the capability to schedule the automatic execution of preservation processing	2	D	Software	ERA270
ERA8.1.2	The system shall provide the capability to schedule the automatic execution of preservation processing	ERA270	ERA8.1.2.1	The system shall provide the capability to queue automatic execution of preservation processing via workflow	2	D	Software	LM270
ERA8.1.3	The system shall provide the capability to use the user interface to initiate transformation of electronic records by the system	ERA271	ERA8.1.3	The system shall provide the capability to use the user interface to initiate transformation of electronic records by the system	2	D	Software	ERA271





RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA8.1.3	The system shall provide the capability to use the user interface to initiate transformation of electronic records by the system	ERA271	ERA8.1.3.1	The system shall provide the capability for the user to initiate digital adaptation of electronic records by the system	2	D	Software	LM271
ERA8.1.4	The system shall provide the capability to mass process sets of electronic records	ERA272	ERA8.1.4	The system shall provide the capability to mass process sets of electronic records	2	T	Software	ERA272
ERA8.1.4	The system shall provide the capability to mass process sets of electronic records	ERA272	ERA8.1.4.2	The system shall provide the capability to perform preservation processing on sets of electronic records	2	T	Software	LM272
ERA8.1.4.1	The system shall provide the capability to mass process sets of data files	ERA273	ERA8.1.4.1	The system shall provide the capability to mass process sets of data files	2	T	Software	ERA273
ERA8.1.4.1	The system shall provide the capability to mass process sets of data files	ERA273	ERA8.1.4.1.1	The system shall provide the capability to perform preservation processing on sets of data files	2	T	Software	LM273
ERA8.1.5	The system shall maintain an audit trail of all preservation processing	ERA274	ERA8.1.5	The system shall maintain an audit trail of all preservation processing	2	T	Software	ERA274
ERA8.1.5	The system shall maintain an audit trail of all preservation processing	ERA274	ERA8.1.5.2	The system shall maintain an audit log for preservation processing	2	T	Software	LM274
ERA8.1.5.1	The system shall include the preservation audit trail within the records lifecycle data	ERA275	ERA8.1.5.1	The system shall include the preservation audit trail within the records lifecycle data	2	D	Software	ERA275
ERA8.1.5.1	The system shall include the preservation audit trail within the records lifecycle data	ERA275	ERA8.1.5.1.1	The system shall include a preservation audit log within the records lifecycle data	2	D	Software	LM275
ERA8.1.6	The system shall preserve the integrity of records throughout the preservation processes	ERA276	ERA8.1.6	The system shall preserve the integrity of records throughout the preservation processes	2	D	Software	ERA276
ERA8.1.6.1	The system shall ensure that relationships among records are not altered in preservation processing	ERA277	ERA8.1.6.1	The system shall ensure that relationships among records are not altered in preservation processing	2	I	Software	ERA277
ERA8.1.6.1	The system shall ensure that relationships among records are not altered in preservation processing	ERA277	ERA8.1.6.1.1	The system shall ensure that relationships among records are retained in preservation processing	2	I	Software	LM277
ERA8.1.6.2	The system shall ensure that all data files stored in the system are associated with the records they constitute	ERA278	ERA8.1.6.2	The system shall ensure that all data files stored in the system are associated with the records they constitute	2	D	Software	ERA278
ERA8.1.6.2.1	The system shall ensure that all data files stored in the system are associated with the sets of electronic records they constitute	ERA279	ERA8.1.6.2.1	The system shall ensure that all data files stored in the system are associated with the sets of electronic records they constitute	2	D	Software	ERA279
ERA8.1.6.3	The system shall maintain electronic record content across preservation processes	ERA280	ERA8.1.6.3	The system shall maintain electronic record content across preservation processes	2	D	Software	ERA280
ERA8.1.6.4	The system shall ensure that all specified behavior associated with an electronic record is maintained across preservation processes	ERA281	ERA8.1.6.4	The system shall ensure that all specified behavior associated with an electronic record is maintained across preservation processes	2	A	Software	ERA281

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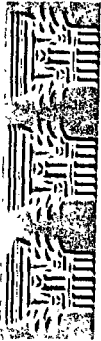
RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	inc	VM	Allocation	LMUnique ID
ERA8.1.6.4	The system shall ensure that all specified behavior associated with an electronic record is maintained across preservation processes	ERA281	ERA8.1.6.4.2	The system shall maintain the behavior of an electronic record across preservation processes as specified in the preservation and service plan for that record	2	A	Software	LM281
ERA8.1.6.4.1	The system shall provide the capability to specify which behaviors of electronic records must be maintained across preservation processes	ERA282	ERA8.1.6.4.1	The system shall provide the capability to specify which behaviors of electronic records must be maintained across preservation processes	2	D	Software	ERA282
ERA8.1.6.4.1	The system shall provide the capability to specify which behaviors of electronic records must be maintained across preservation processes	ERA282	ERA8.1.6.4.1.1	The system shall provide the capability to specify which behaviors of electronic records must be maintained across preservation processes	2	D	Software	LM282
ERA8.1.6.5	The system shall maintain electronic record context across preservation processes	ERA283	ERA8.1.6.5	The system shall maintain electronic record context across preservation processes	2	T	Software	ERA283
ERA8.1.6.6	The system shall maintain specified electronic record structure across preservation processes	ERA284	ERA8.1.6.6	The system shall maintain specified electronic record structure across preservation processes	2	T	Software	ERA284
ERA8.1.6.6	The system shall maintain specified electronic record structure across preservation processes	ERA284	ERA8.1.6.6.1	The system shall maintain electronic record structure across preservation processes as specified in the preservation and service plan	2	T	Software	LM284
ERA8.1.6.7	The system shall maintain specified electronic record presentation across preservation processes	ERA285	ERA8.1.6.7	The system shall maintain specified electronic record presentation across preservation processes	2	D	Software	ERA285
ERA8.1.6.7	The system shall maintain specified electronic record presentation across preservation processes	ERA285	ERA8.1.6.7.1	The system shall maintain electronic record presentation across preservation processes as specified in the preservation and service plan	2	D	Software	LM285
ERA8.2	The system shall provide the capability to ingest data files in the digital formats in which they were received	ERA286	ERA8.2	The system shall provide the capability to ingest data files in the digital formats in which they were received	1	D	Software	ERA286
ERA8.2.1	The system shall provide the capability to store data files in the digital formats in which they were received	ERA287	ERA8.2.1	The system shall provide the capability to store data files in the digital formats in which they were received	1	D	Software	ERA287
ERA8.3	The system shall capture attributes of all ingested data files	ERA288	ERA8.3	The system shall capture attributes of all ingested data files	1	D	Software	ERA288
ERA8.3.1	The system shall capture the identifiers of all ingested data files	ERA289	ERA8.3.1	The system shall capture the identifiers of all ingested data files	1	T	Software	ERA289
ERA8.3.2	The system shall capture the data types of all ingested data files	ERA290	ERA8.3.2	The system shall capture the data types of all ingested data files	1	T	Software	ERA290
ERA8.3.2	The system shall capture the data types of all ingested data files	ERA290	ERA8.3.2.1	The system shall accept data files of undeterminable data types	1	D	Software	LM976
ERA8.3.2	The system shall capture the data types of all ingested data files	ERA290	ERA8.3.2.2	The system shall report on electronic files of undeterminable data type	1	D	Software	LM977

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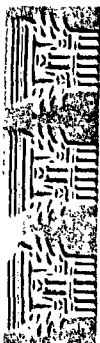




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ERA8 3 2	The system shall capture the data types of all ingested data files	ERA290	ERA8.3.2.3	The system shall store attributes extracted from ingested data files	1	T	Software	LM978
ERA8 3 2	The system shall capture the data types of all ingested data files	ERA290	ERA8.3.2.4	The system shall store identifiers extracted from ingested data files	1	T	Software	LM979
ERA8 3 2	The system shall capture the data types of all ingested data files	ERA290	ERA8 3 2.5	The system shall store data types extracted from ingested data files	1	T	Software	LM980
ERA8 4	The system shall specify the relationship of each ingested data file with an electronic record	ERA291	ERA8 4	The system shall specify the relationship of each ingested data file with an electronic record	1	T	Software	ERA291
ERA8 4 1	The system shall specify the relationship of each ingested data file with a set of electronic records	ERA292	ERA8.4 1	The system shall specify the relationship of each ingested data file with a set of electronic records	1	T	Software	ERA292
ERA8 5	The system shall provide the capability to transform any ingested data file to a different format	ERA293	ERA8 5	The system shall provide the capability to transform any ingested data file to a different format	2	D	Software	ERA293
ERA8 5	The system shall provide the capability to transform any ingested data file to a different format	ERA293	ERA8 5 4	The system shall provide the capability to perform digital adaptation on an ingested data file	2	D	Software	LM293
ERA8.5 1	The system shall have the capability to check that a file output from a transformation retains specified attributes of the input data	ERA294	ERA8 5 1	The system shall have the capability to check that a file output from a transformation retains specified attributes of the input data	2	T	Software	ERA294
ERA8 5 1	The system shall have the capability to check that a file output from a transformation retains specified attributes of the input data	ERA294	ERA8.5.1.1	The system shall provide the capability to verify that the result of a digital adaptation retains attributes of the original digital item as specified in the preservation and service plan for that item	2	T	Software	LM294
ERA8.5.2	The system shall have the capability to check that a file output from a transformation retains the specified behaviors of the input data	ERA295	ERA8 5 2	The system shall have the capability to check that a file output from a transformation retains the specified behaviors of the input data	2	T	Software	ERA295
ERA8 5 2	The system shall have the capability to check that a file output from a transformation retains the specified behaviors of the input data	ERA295	ERA8.5.2 1	The system shall provide the capability to verify that the result of a digital adaptation retains behavior of the original digital item as specified in the preservation and service plan for that item	2	T	Software	LM295
ERA8 5 3	The system shall specify the relationship of each transformed data file to an electronic record	ERA296	ERA8.5 3	The system shall specify the relationship of each transformed data file to an electronic record	2	D	Software	ERA296
ERA8 5 3	The system shall specify the relationship of each transformed data file to an electronic record	ERA296	ERA8 5 3 2	The system shall identify the relationship of each digitally adapted data file to an electronic record	2	D	Software	LM296



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ERA8.5.3.1	The system shall specify the relationship of each transformed data file to a set of electronic records	ERA297	ERA8.5.3.1	The system shall specify the relationship of each transformed data file to a set of electronic records	2	T	Software	ERA297
ERA8.5.3.1	The system shall specify the relationship of each transformed data file to a set of electronic records	ERA297	ERA8.5.3.1.1	The system shall identify the relationship of each digitally adapted data file to a set of electronic records	2	T	Software	LM297
ERA8.6	The system shall provide the capability to transform electronic records into persistent formats	ERA298	ERA8.6	The system shall provide the capability to transform electronic records into persistent formats	2	A	Software	ERA298
ERA8.6	The system shall provide the capability to transform electronic records into persistent formats	ERA298	ERA8.6.2	The system shall provide the capability to digitally adapt electronic records into persistent formats	2	A	Software	LM298
ERA8.6.1	The system shall provide the capability to transform electronic record/data types into a hardware and software independent format	ERA299	ERA8.6.1	The system shall provide the capability to transform electronic record/data types into a hardware and software independent format	2	A	Hardware	ERA299
ERA8.6.1	The system shall provide the capability to transform electronic record/data types into a hardware and software independent format	ERA299	ERA8.6.1.7	The system shall provide the capability to digitally adapt electronic records into a hardware/software independent format	2	A	Hardware	LM299
ERA8.6.1.1	The system shall check the results of transformations for conformance with assigned templates	ERA300	ERA8.6.1.1	The system shall check the results of transformations for conformance with assigned templates	2	D	Software	ERA300
ERA8.6.1.1	The system shall check the results of transformations for conformance with assigned templates	ERA300	ERA8.6.1.1.1	The system shall validate the results of digital adaptations for conformance with associated templates	2	D	Software	LM300
ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	ERA8.6.1.2	The system shall provide the capability to report the results of transformations	2	D	Software	ERA301
ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	ERA8.6.1.2.1	The system shall provide the capability to report on the documented effects on content from digital adaptations	2	D	Software	LM981
ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	ERA8.6.1.2.2	The system shall provide the capability to report on the documented effects on presentation from digital adaptations	2	D	Software	LM982
ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	ERA8.6.1.2.3	The system shall provide the capability to report on the documented effects on behavior from digital adaptations	2	D	Software	LM983
ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	ERA8.6.1.2.4	The system shall provide the capability to report on the detected effects on content from digital adaptations	2	D	Software	LM984
ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	ERA8.6.1.2.5	The system shall provide the capability to report on the detected effects on presentation from digital adaptations	2	D	Software	LM985

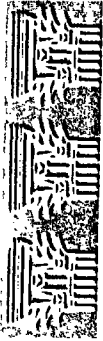


RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA8 6 1 2	The system shall provide the capability to report the results of transformations	ERA301	ERA8 6.1.2.6	The system shall provide the capability to report on the detected effects on behavior from digital adaptations	2	D	Software	LM986
ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA301	ERA8.6.1.2.7	The system shall provide the capability to report the results of digital adaptations	2	D	Software	LM301
ERA8 6.1.3	The system shall provide the capability to flag records that have undergone incomplete transformations	ERA302	ERA8.6.1.3	The system shall provide the capability to flag records that have undergone incomplete transformations	2	D	Software	ERA302
ERA8.6.1.3	The system shall provide the capability to flag records that have undergone incomplete transformations	ERA302	ERA8 6.1.3.1	The system shall provide the capability to identify records that have undergone incomplete digital adaptations	2	D	Software	LM302
ERA8.6.1.4	The system shall provide the capability to flag records that have undergone incorrect transformations	ERA303	ERA8.6 1.4	The system shall provide the capability to flag records that have undergone incorrect transformations	2	T	Software	ERA303
ERA8 6 1 4	The system shall provide the capability to flag records that have undergone incorrect transformations	ERA303	ERA8.6.1 4 1	The system shall provide the capability to identify records that have undergone incorrect digital adaptations	2	T	Software	LM303
ERA8 6 1 5	The system shall provide the capability to correct problems with transformations	ERA304	ERA8 6 1.5	The system shall provide the capability to correct problems with transformations	2	D	Software	ERA304
ERA8 6 1.5	The system shall provide the capability to correct problems with transformations	ERA304	ERA8 6.1.5.1	The system shall provide the capability for users to manually correct problems with digital adaptation processes	2	D	Software	LM987
ERA8 6 1.5	The system shall provide the capability to correct problems with transformations	ERA304	ERA8.6 1.5.2	The system shall provide the capability to deprecate a digital adaptation process	2	T	Software	LM988
ERA8 6 1.5	The system shall provide the capability to correct problems with transformations	ERA304	ERA8.6.1.5 3	The system shall notify users when a digital adaptation process is deprecated	2	D	Software	LM989
ERA8.6.1.6	The system shall provide the capability to reinsert corrected transformations	ERA305	ERA8.6.1.6	The system shall provide the capability to reinsert corrected transformations	2	D	Software	ERA305
ERA8 6.1 6	The system shall provide the capability to reinsert corrected transformations	ERA305	ERA8.6.1.6.1	The system shall provide the capability to reinsert corrected digital items into electronic records	2	D	Software	LM305
ERA8.7	The system shall store the files output from preservation processes	ERA306	ERA8.7	The system shall store the files output from preservation processes	2	D	Software	ERA306
ERA8.7	The system shall store the files output from preservation processes	ERA306	ERA8 7.3	The system shall store the digital items output from preservation processes	2	D	Software	LM306
ERA8 7.1	The system shall store the files output from format transformation	ERA307	ERA8.7.1	The system shall store the files output from format transformation	2	D	Software	ERA307
ERA8 7 1	The system shall store the files output from format transformation	ERA307	ERA8 7.1 1	The system shall store the resulting digital items from transforming digital adaptation processes	2	D	Software	LM307

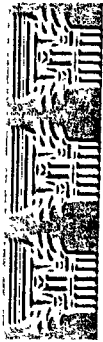
CDRL Number: 01 - System Requirements Specification (SyRS)
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ERA8.7.2	The system shall store the files output from transformation to a persistent format	ERA308	ERA8.7.2	The system shall store the files output from transformation to a persistent format	2	D	Software	ERA308
ERA8.7.2	The system shall store the files output from transformation to a persistent format	ERA308	ERA8.7.2.1	The system shall store the resulting digital items from digital adaptation processes that produce persistent objects	2	D	Software	LM308
ERA8.8	The system shall provide foreign language extensibility such that foreign language electronic records may be preserved in the future without the need for major redesign	ERA309	ERA8.8	The system shall provide foreign language extensibility such that foreign language electronic records may be preserved in the future without the need for major redesign	2	I	Software	ERA309
ERA8.9	The system shall provide the capability for preservation planning	ERA310	ERA8.9	The system shall provide the capability for preservation planning	2	D	Software	ERA310
ERA8.9	The system shall provide the capability for preservation planning	ERA310	ERA8.9.9	The system shall provide the capability for users to collaborate on preservation and service plans	2	D	Software	LM991
ERA8.9	The system shall provide the capability for preservation planning	ERA310	ERA8.9.10	The system shall maintain the version history of a preservation and service plan	2	D	Software	LM992
ERA8.9	The system shall provide the capability for preservation planning	ERA310	ERA8.9.11	The system shall assign a constant unique identifier to each version of a preservation and service plan	2	D	Software	LM994
ERA8.9	The system shall provide the capability for preservation planning	ERA310	ERA8.9.12	The system shall provide the capability for a user to approve preservation and service plans	2	D	Software	LM995
ERA8.9	The system shall provide the capability for preservation planning	ERA310	ERA8.9.13	The system shall provide the capability to create a preservation and service plan	2	D	Software	LM3322
ERA8.9.1	The system shall provide the capability for users to create preservation and access plans	ERA311	ERA8.9.1	The system shall provide the capability for users to create preservation and access plans	2	D	Software	ERA311
ERA8.9.1	The system shall provide the capability for users to create preservation and access plans	ERA311	ERA8.9.1.1	The system shall provide the capability for users to create a new version of an approved preservation and service plan to allow it to be modified	2	D	Software	LM311
ERA8.9.2	The system shall provide the capability to access preservation and access plans	ERA312	ERA8.9.2	The system shall provide the capability to access preservation and access plans	2	D	Software	ERA312
ERA8.9.2	The system shall provide the capability to access preservation and access plans	ERA312	ERA8.9.2.1	The system shall provide the capability to output versions of a preservation and service plan	2	D	Software	LM3321
ERA8.9.2	The system shall provide the capability to access preservation and access plans	ERA312	ERA8.9.2.2	The system shall provide the capability to present versions of a preservation and service plan	2	D	Software	LM312
ERA8.9.3	The system shall provide the capability for users to update preservation and access plans	ERA313	ERA8.9.3	The system shall provide the capability for users to update preservation and access plans	2	D	Software	ERA313
ERA8.9.3	The system shall provide the capability for users to update preservation and access plans	ERA313	ERA8.9.3.1	The system shall provide the capability for users to modify versions of a preservation and service plan	2	D	Software	LM313



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ERA8.9.4	The system shall provide the capability for users to delete preservation and access plans	ERA314	ERA8.9.4	The system shall provide the capability for users to delete preservation and access plans	2	D	Software	ERA314
ERA8.9.4	The system shall provide the capability for users to delete preservation and access plans	ERA314	ERA8.9.4.1	The system shall provide the capability for users to delete versions of a preservation and service plan	2	D	Software	LM314
ERA8.9.5	The system shall provide the capability for users to associate a preservation and service plan with electronic records	ERA315	ERA8.9.5	The system shall provide the capability for users to associate a preservation and service plan with electronic records	2	D	Software	ERA315
ERA8.9.6	The system shall provide the capability for users to associate a preservation and service plan with an item in a disposition agreement	ERA316	ERA8.9.6	The system shall provide the capability for users to associate a preservation and service plan with an item in a disposition agreement	2	D	Software	ERA316
ERA8.9.7	The system shall provide the capability for the preservation and service plan to define the preservation level for the electronic records to which it is associated	ERA317	ERA8.9.7	The system shall provide the capability for the preservation and service plan to define the preservation level for the electronic records to which it is associated	2	D	Software	ERA317
ERA8.9.8	The system shall provide the capability for the preservation and service plan to define the access methods for the electronic records to which it is associated	ERA318	ERA8.9.8	The system shall provide the capability for the preservation and service plan to define the access methods for the electronic records to which it is associated	2	D	Software	ERA318
ERA9	The system shall provide the capability for arrangements of electronic records	ERA319	ERA9	The system shall provide the capability for arrangements of electronic records	2	D	Software	ERA319
ERA9	The system shall provide the capability for arrangements of electronic records	ERA319	ERA9.12	The system shall provide the capability for ERA users to collaborate on arrangements	2	D	Software	LM1035
ERA9	The system shall provide the capability for arrangements of electronic records	ERA319	ERA9.13	The system shall provide the capability to remove electronic records from an arrangement	2	D	Software	LM3144
ERA9	The system shall provide the capability for arrangements of electronic records	ERA319	ERA9.14	The system shall provide the capability to remove electronic record sets from an arrangement	2	D	Software	LM3176
ERA9	The system shall provide the capability for arrangements of electronic records	ERA319	ERA9.15	The system shall provide the capability to create an arrangement	2	D	Software	LM3323
ERA9.1	The system shall provide the capability to provide electronic records to users in accordance with any defined arrangement	ERA320	ERA9.1	The system shall provide the capability to provide electronic records to users in accordance with any defined arrangement	2	T	Software	ERA320
ERA9.2	The system shall provide the capability for users to input data defining an arrangement of records	ERA321	ERA9.2	The system shall provide the capability for users to input data defining an arrangement of records	2	D	Software	ERA321
ERA9.2.1	The system shall provide the capability to use information provided by the transferring entity to determine the arrangement	ERA322	ERA9.2.1	The system shall provide the capability to use information provided by the transferring entity to determine the arrangement	2	D	Software	ERA322



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA9.2.1	The system shall provide the capability to use information provided by the transferring entity to determine the arrangement	ERA322	ERA9.2.3	The system shall provide the capability to capture original order information from assets	1	D	Software	LM322
ERA9.2.2	The system shall provide the capability to use templates provided by the transferring entity to determine the arrangement	ERA323	ERA9.2.2	The system shall provide the capability to use templates provided by the transferring entity to determine the arrangement	2	D	Software	ERA323
ERA9.2.2	The system shall provide the capability to use templates provided by the transferring entity to determine the arrangement	ERA323	ERA9.2.4	The system shall provide the capability to use Archival Metadata Templates to determine the original order	1	D	Software	LM323
ERA9.3	The system shall provide the capability to recreate the arrangement of electronic records as defined in information provided by the transferring entity	ERA324	ERA9.3	The system shall provide the capability to recreate the arrangement of electronic records as defined in information provided by the transferring entity	2	D	Software	ERA324
ERA9.3	The system shall provide the capability to recreate the arrangement of electronic records as defined in information provided by the transferring entity	ERA324	ERA9.3.1	The system shall provide the capability to recreate the original order of electronic records as defined in Transfer Agreements	1	D	Software	LM324
ERA9.4	The system shall provide the capability for multiple arrangements	ERA325	ERA9.4	The system shall provide the capability for multiple arrangements	2	D	Software	ERA325
ERA9.4.1	The system shall manage versions of arrangements	ERA326	ERA9.4.1	The system shall manage versions of arrangements	2	D	Software	ERA326
ERA9.4.1	The system shall manage versions of arrangements	ERA326	ERA9.4.1.1	The system shall assign a constant unique identifier to each version of an arrangement	2	D	Software	LM1029
ERA9.4.1	The system shall manage versions of arrangements	ERA326	ERA9.4.1.2	The system shall create a new version of an approved arrangement to allow it to be modified	2	D	Software	LM1030
ERA9.4.1	The system shall manage versions of arrangements	ERA326	ERA9.4.1.3	The system shall provide the capability to view versions of an arrangement	2	D	Software	LM1031
ERA9.4.1	The system shall manage versions of arrangements	ERA326	ERA9.4.1.4	The system shall provide the capability to modify versions of an arrangement	2	D	Software	LM1033
ERA9.4.1	The system shall manage versions of arrangements	ERA326	ERA9.4.1.5	The system shall maintain the version history of an arrangement	2	D	Software	LM326
ERA9.4.2	The system shall provide the capability to define arrangements of electronic records in addition to the original order	ERA327	ERA9.4.2	The system shall provide the capability to define arrangements of electronic records in addition to the original order	2	D	Software	ERA327
ERA9.4.3	The system shall provide the capability to implement arrangements of electronic records in addition to the original order	ERA328	ERA9.4.3	The system shall provide the capability to implement arrangements of electronic records in addition to the original order	2	D	Software	ERA328
ERA9.4.4	The system shall provide the capability to present arrangements of electronic records in addition to the original order	ERA329	ERA9.4.4	The system shall provide the capability to present arrangements of electronic records in addition to the original order	2	D	Software	ERA329

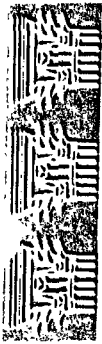


RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA9 4 5	The system shall provide the capability to define the relationship between an electronic record in one arrangement and an electronic record in another arrangement	ERA330	ERA9.4.5	The system shall provide the capability to define the relationship between an electronic record in one arrangement and an electronic record in another arrangement	2	D	Software	ERA330
ERA9.5	The system shall provide the capability to delete arrangements	ERA331	ERA9 5	The system shall provide the capability to delete arrangements	2	D	Software	ERA331
ERA9 5	The system shall provide the capability to delete arrangements	ERA331	ERA9 5 1	The system shall provide the capability for users to delete versions of arrangements that are not the original order	2	D	Software	LM331
ERA9 6	The system shall provide the capability to associate electronic records with a defined arrangement	ERA332	ERA9 6	The system shall provide the capability to associate electronic records with a defined arrangement	2	D	Software	ERA332
ERA9.7	The system shall provide the capability to define the position of an electronic record in an arrangement	ERA333	ERA9.7	The system shall provide the capability to define the position of an electronic record in an arrangement	2	D	Software	ERA333
ERA9.8	The system shall provide the capability for hierarchical grouping of sets of electronic records within an arrangement	ERA334	ERA9.8	The system shall provide the capability for hierarchical grouping of sets of electronic records within an arrangement	2	D	Software	ERA334
ERA9 9	The system shall provide the capability to associate additional electronic records with an arrangement over time	ERA335	ERA9 9	The system shall provide the capability to associate additional electronic records with an arrangement over time	2	D	Software	ERA335
ERA9 9	The system shall provide the capability to associate additional electronic records with an arrangement over time	ERA335	ERA9.9.1	The system shall provide the capability to add electronic records to an arrangement	2	D	Software	LM335
ERA9 10	The system shall provide the capability to associate additional sets of electronic records with an arrangement over time	ERA336	ERA9. 10	The system shall provide the capability to associate additional sets of electronic records with an arrangement over time	2	D	Software	ERA336
ERA9 10	The system shall provide the capability to associate additional sets of electronic records with an arrangement over time	ERA336	ERA9.10.1	The system shall provide the capability to add electronic record sets to an arrangement	2	D	Software	LM336
ERA9.11	The system shall require that an original order be defined for any set of records in the system	ERA337	ERA9 11	The system shall require that an original order be defined for any set of records in the system	1	D	Software	ERA337
ERA9 11 1	The system shall provide the capability to designate a defined arrangement as the original order of a set of records	ERA338	ERA9.11 1	The system shall provide the capability to designate a defined arrangement as the original order of a set of records	2	D	Software	ERA338
ERA9 11 2	The system shall permit only one arrangement to be defined as the original order for any set of records in the system	ERA339	ERA9.11 2	The system shall permit only one arrangement to be defined as the original order for any set of records in the system	2	D	Software	ERA339
ERA10	The system shall store assets	ERA340	ERA10	The system shall store assets	1	D	Hardware, Software	ERA340
ERA10.1	The system shall provide the capability to store copies of electronic records	ERA341	ERA10.1	The system shall provide the capability to store copies of electronic records	1	D	Hardware, Software	ERA341

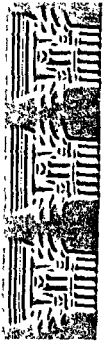


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ERA10.1.1	The system shall identify the version of the electronic record as transferred from the transferring entity	ERA342	ERA10.1.1	The system shall identify the version of the electronic record as transferred from the transferring entity	1	D	Software	ERA342
ERA10.1.2	The system shall store a copy of the electronic records produced as a result of preservation processing	ERA343	ERA10.1.2	The system shall store a copy of the electronic records produced as a result of preservation processing	2	D	Software	ERA343
ERA10.1.3	The system shall provide the capability to replace copies with new versions	ERA344	ERA10.1.3	The system shall provide the capability to replace copies with new versions	1	D	Software	ERA344
ERA10.1.3	The system shall provide the capability to replace copies with new versions	ERA344	ERA10.1.3.1	The system shall provide the capability to replace a copy of an electronic record with an updated version of that same electronic record	1	D	Software	LM344
ERA10.1.4	The system shall produce copies of all assets for off-site storage	ERA345	ERA10.1.4	The system shall produce copies of all assets for off-site storage	1	D	Hardware, Software	ERA345
ERA10.1.4	The system shall produce copies of all assets for off-site storage	ERA345	ERA10.1.4.1	The system shall store a duplicate copy of an asset at another ERA site	1	D	Hardware, Software	LM345
ERA10.2	The system shall provide the capability to manage assets	ERA346	ERA10.2	The system shall provide the capability to manage assets	1	D	Hardware, Software	ERA346
ERA10.2.1	The system shall provide the capability to export self-describing media containing assets from the ERA data storage repository	ERA347	ERA10.2.1	The system shall provide the capability to export self-describing media containing assets from the ERA data storage repository	1	D	Hardware, Software	ERA347
ERA10.2.1	The system shall provide the capability to export self-describing media containing assets from the ERA data storage repository	ERA347	ERA10.2.1.1	The system shall provide the capability to export self-describing media containing assets from the ERA data storage repository in accordance with the Interface Requirements Specification	2	D	Hardware, Software	LM347
ERA10.2.2	The system shall provide the capability to import self-describing media containing electronic records into the ERA primary data storage repository	ERA348	ERA10.2.2	The system shall provide the capability to import self-describing media containing electronic records into the ERA primary data storage repository	1	D	Hardware, Software	ERA348
ERA10.2.3	The system shall provide the capability to recover any electronic record in the event of catastrophic loss	ERA349	ERA10.2.3	The system shall provide the capability to recover any electronic record in the event of catastrophic loss	1	D	Software	ERA349
ERA10.2.3	The system shall provide the capability to recover any electronic record in the event of catastrophic loss	ERA349	ERA10.2.3.1	The system shall provide the capability to recover an electronic record by retrieving a copy from self-describing media	1	D	Software	LM1117
ERA10.2.3	The system shall provide the capability to recover any electronic record in the event of catastrophic loss	ERA349	ERA10.2.3.2	The system shall provide the capability to recover an electronic record by retrieving a copy from another ERA instance	2	D	Software	LM1118
ERA10.2.4	The system shall provide the capability for location-transparent access to all of the assets it contains	ERA350	ERA10.2.4	The system shall provide the capability for location-transparent access to all of the assets it contains	1	D	Software	ERA350

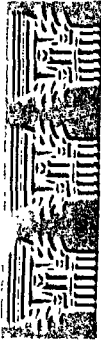




RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA10 2 5	The system shall maintain an inventory of all of the assets it contains	ERA351	ERA10.2.5	The system shall maintain an inventory of all of the assets it contains	1	D	Software	ERA351
ERA10 2 5 1	The system shall provide the capability to report on its inventory	ERA352	ERA10 2.5.1	The system shall provide the capability to report on its inventory	1	D	Software	ERA352
ERA10 2 5 2	The system shall maintain an archive file directory defining the physical locations of all electronic records within the system	ERA353	ERA10.2 5 2	The system shall maintain an archive file directory defining the physical locations of all electronic records within the system	1	D	Software	ERA353
ERA10 2 5 3	The system shall provide the capability to recover the archive electronic file directory	ERA354	ERA10 2 5 3	The system shall provide the capability to recover the archive electronic file directory	1	D	Software	ERA354
ERA10.2 5 3	The system shall provide the capability to recover the archive electronic file directory	ERA354	ERA10.2.5.3.1	The system shall provide the capability to backup the archive electronic file directory	1	D	Software	LM1119
ERA10 2 5 3	The system shall provide the capability to recover the archive electronic file directory	ERA354	ERA10.2.5.3 2	The system shall provide the capability to recover the archive electronic file directory from a backup copy	1	D	Software	LM1120
ERA10 2 5 3	The system shall provide the capability to recover the archive electronic file directory	ERA354	ERA10.2 5 3 3	The system shall provide the capability to recover the archive electronic file directory from the archive media	1	D	Software	LM3324
ERA10 2 6	The system shall provide the capability to track information about the movement of electronic files	ERA355	ERA10.2 6	The system shall provide the capability to track information about the movement of electronic files	1	D	Software	ERA355
ERA10 2 7	The system shall provide the capability to check the inventory of the archive against the archive electronic file directory	ERA356	ERA10.2.7	The system shall provide the capability to check the inventory of the archive against the archive electronic file directory	1	D	Software	ERA356
ERA10 2.7	The system shall provide the capability to check the inventory of the archive against the archive electronic file directory	ERA356	ERA10.2.7.1	The system shall provide the capability to identify differences between the inventory of the archive and the archive electronic file directory	1	D	Software	LM1121
ERA10 2.7	The system shall provide the capability to check the inventory of the archive against the archive electronic file directory	ERA356	ERA10.2.7.2	The system shall provide the capability to report on differences between the inventory of the archive and the archive electronic file directory	1	D	Software	LM3145
ERA11	The system shall provide automated media handling	ERA357	ERA11	The system shall provide automated media handling	1	D	Hardware	ERA357
ERA11 1	The system shall provide a physical media tracking system	ERA358	ERA11 1	The system shall provide a physical media tracking system	1	D	Hardware	ERA358
ERA11 1	The system shall provide a physical media tracking system	ERA358	ERA11.1 1	The system shall track the location of each piece of removable archival storage media from the time it is introduced into the system until it is removed from ERA	1	D	Hardware, Software	LM1122
ERA11 1	The system shall provide a physical media tracking system	ERA358	ERA11.1 2	The system shall maintain information on the current location of removable media	1	D	Software	LM1123



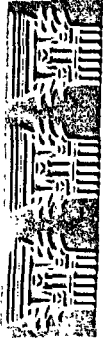
RD Trace Tag	ERA PMO Requirements Document Text	RD Trace ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA11.1	The system shall provide a physical media tracking system	ERA358	ERA11.1.3	The system shall provide a tracking system for removable archival storage media	1	D	Hardware	LM358
ERA11.2	The system shall provide the capability to print archive media identification labels	ERA359	ERA11.2	The system shall provide the capability to print archive media identification labels	1	D	Hardware	ERA359
ERA11.2	The system shall provide the capability to print archive media identification labels	ERA359	ERA11.2.1	The system shall provide the capability to print identification labels for removable archive media	1	D	Hardware	LM359
ERA11.3	The system shall provide the capability for automated access to assets stored on removable archive media	ERA360	ERA11.3	The system shall provide the capability for automated access to assets stored on removable archive media	1	D	Hardware	ERA360
ERA12	The system shall provide media management	ERA361	ERA12	The system shall provide media management	2	A	Hardware, Software	ERA361
ERA12.1	The system shall provide the capability for automated movement of electronic records to different media to accommodate new technology	ERA362	ERA12.1	The system shall provide the capability for automated movement of electronic records to different media to accommodate new technology	1	A	Hardware, Software	ERA362
ERA12.2	The system shall not modify electronic records to accommodate physical storage media	ERA363	ERA12.2	The system shall not modify electronic records to accommodate physical storage media	1	T	Software	ERA363
ERA12.2	The system shall not modify electronic records to accommodate physical storage media	ERA363	ERA12.2.1	The system shall provide the capability for the user to allow lossless hardware compression	1	T	Software	LM1125
ERA12.3	The system shall use storage media that is self-describing	ERA364	ERA12.3	The system shall use storage media that is self-describing	1	D	Software	ERA364
ERA12.3	The system shall use storage media that is self-describing	ERA364	ERA12.3.1	The system shall use archive storage media that is self-describing	1	D	Software	LM364
ERA12.4	The system shall provide tools for recovering electronic records from failed media	ERA365	ERA12.4	The system shall provide tools for recovering electronic records from failed media	1	D	Software	ERA365
ERA12.4	The system shall provide tools for recovering electronic records from failed media	ERA365	ERA12.4.1	The system shall provide the capability to recover electronic records from failed media	1	D	Software	LM1126
ERA12.4	The system shall provide tools for recovering electronic records from failed media	ERA365	ERA12.4.2	The system shall provide the capability to restore an electronic record from a copy	1	D	Software	LM1127
ERA12.5	The system shall store electronic data files such that an individual file does not span volumes	ERA366	ERA12.5	The system shall store electronic data files such that an individual file does not span media volumes	1	T	Hardware, Software	ERA366
ERA12.5	The system shall store electronic data files such that an individual file does not span media volumes	ERA366	ERA12.5.1	The system shall report to a user when an electronic record does not fit on a single storage media volume	1	D	Software	LM1128
ERA12.5	The system shall store electronic data files such that an individual file does not span media volumes	ERA366	ERA12.5.2	The system shall provide the capability for a user to allow the system to store an electronic record on multiple removable storage media when that record does not fit on a single storage medium	1	D	Software	LM1129



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA12.5	The system shall store electronic data files such that an individual file does not span media volumes	ERA366	ERA12.5.3	The system shall include references to other media volumes in the self-describing storage media when an electronic record spans multiple media volumes	1	D	Software	LM3325
ERA12.6	The system shall provide active safeguards to protect against archive media degradation	ERA367	ERA12.6	The system shall provide active safeguards to protect against archive media degradation	1	A	Hardware	ERA367
ERA12.7	The system shall statistically monitor the raw Bit Error Rate (BER) of storage media in the archive	ERA368	ERA12.7	The system shall statistically monitor the raw Bit Error Rate (BER) of storage media in the archive	1	T	Hardware	ERA368
ERA12.8	The system shall statistically monitor the corrected Bit Error Rate (BER) of storage media in the archive	ERA369	ERA12.8	The system shall statistically monitor the corrected Bit Error Rate (BER) of storage media in the archive	1	T	Hardware	ERA369
ERA12.9	The system shall manage refreshment of archive media	ERA370	ERA12.9	The system shall manage refreshment of archive media	2	I	Hardware, Software	ERA370
ERA12.9	The system shall manage refreshment of archive media	ERA370	ERA12.9.1	The system shall provide the capability to refresh removable archive media	1	I	Software, Operations	LM1130
ERA12.9	The system shall manage refreshment of archive media	ERA370	ERA12.9.2	The system shall provide the capability to determine when media has degraded	1	I	Hardware	LM1131
ERA12.9	The system shall manage refreshment of archive media	ERA370	ERA12.9.3	The system shall provide the capability to determine when the media has reached end-of-life based on age	2	I	Hardware	LM1132
ERA12.9	The system shall manage refreshment of archive media	ERA370	ERA12.9.4	The system shall provide the capability to determine when the media has reached end-of-life based on usage	2	I	Hardware	LM1133
ERA12.9	The system shall manage refreshment of archive media	ERA370	ERA12.9.5	The system shall provide the capability to determine when the media has failed	1	I	Hardware	LM1134
ERA12.10	The system shall manage copying of archive media	ERA371	ERA12.10	The system shall manage copying of archive media	1	D	Software	ERA371
ERA12.10	The system shall manage copying of archive media	ERA371	ERA12.10.1	The system shall provide the capability for copying media used in the archive to another media	1	D	Software	LM1135
ERA12.10	The system shall manage copying of archive media	ERA371	ERA12.10.2	The system shall provide the capability to export copied media	1	D	Software, Operations	LM1136
ERA12.11	The system shall provide the capability to use archive media that is capable of being manually mounted	ERA372	ERA12.11	The system shall provide the capability to use archive media that is capable of being manually mounted	1	D	Hardware	ERA372
ERA13	The system shall manage security for electronic records	ERA373	ERA13	The system shall manage security for electronic records	3	D	Software	ERA373
ERA13.1	The system shall provide the capability to manage electronic records according to the ownership of the electronic record	ERA374	ERA13.1	The system shall provide the capability to manage electronic records according to the ownership of the electronic record	1	D	Software	ERA374



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA13 1	The system shall provide the capability to manage electronic records according to the ownership of the electronic record	ERA374	ERA13.1.1	The system shall provide the capability to manage security for electronic records according to the current ownership of the electronic record	1	D	Software	LM1065
ERA13 1	The system shall provide the capability to manage electronic records according to the ownership of the electronic record	ERA374	ERA13.1.2	The system shall provide the capability to manage security for electronic records according to access policies	1	D	Software	LM1066
ERA13 1	The system shall provide the capability to manage electronic records according to the ownership of the electronic record	ERA374	ERA13 1.3	The system shall provide the capability to manage security for electronic records according to the ownership of the electronic record	1	D	Software	LM374
ERA13.2	The system shall provide the capability to manage electronic records according to the access restrictions of the record	ERA375	ERA13 2	The system shall provide the capability to manage electronic records according to the access restrictions of the record	1	D	Hardware, Software	ERA375
ERA13.2 1	The system shall provide the capability to control data up to the Top Secret Sensitive Compartmented Information (TS/SCI) level	ERA376	ERA13.2 1	The system shall provide the capability to control data up to the Top Secret Sensitive Compartmented Information (TS/SCI) level	3	D	Software	ERA376
ERA13 2 2	The system shall physically separate records classified as Top Secret or higher from other records	ERA377	ERA13 2 2	The system shall physically separate records classified as Top Secret or higher from other records	3	1	Hardware, Software	ERA377
ERA13 3	The system shall provide the capability to recognize the access restrictions of electronic records as applied by the transferring entity	ERA378	ERA13.3	The system shall provide the capability to recognize the access restrictions of electronic records as applied by the transferring entity	1	D	Software	ERA378
ERA13.4	The system shall recognize multiple access restriction levels defined by NARA	ERA379	ERA13.4	The system shall recognize multiple access restriction levels defined by NARA	1	D	Software	ERA379
ERA13.5	The system shall provide the capability to parse the content of assets to identify potentially access restricted content	ERA380	ERA13 5	The system shall provide the capability to parse the content of assets to identify potentially access restricted content	1	D	Software	ERA380
ERA13 5.1	The system shall make recommendations as to the potential access restriction level of assets	ERA381	ERA13.5 1	The system shall make recommendations as to the potential access restriction level of assets	1	D	Software	ERA381
ERA13 5 1	The system shall make recommendations as to the potential access restriction level of assets	ERA381	ERA13 5.1.3	The system shall make access restriction recommendations based on the results of comparing terms and executing rules against assets	1	D	Software	LM1045
ERA13 5 1	The system shall make recommendations as to the potential access restriction level of assets	ERA381	ERA13.5.4	The system shall compare access restriction determination terms against assets	1	D	Software	LM1043
ERA13 5 1	The system shall make recommendations as to the potential access restriction level of assets	ERA381	ERA13.5 5	The system shall execute access restriction determination rules against assets	1	T	Software	LM1044
ERA13 5 1 1	The system shall make access restriction level recommendations based on NARA-defined rules	ERA382	ERA13 5.1 1	The system shall make access restriction level recommendations based on NARA-defined rules	1	D	Software	ERA382



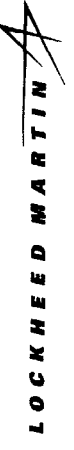
RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allo- cation	LMUnique ID
ERA13.5.1.1	The system shall make access restriction level recommendations based on NARA-defined rules	ERA382	ERA13.5.1.1.1	The system shall provide users the capability to update access restriction determination rules	1	D	Software	LM1039
ERA13.5.1.1	The system shall make access restriction level recommendations based on NARA-defined rules	ERA382	ERA13.5.1.1.2	The system shall provide users the capability to delete access restriction determination rules	1	D	Software	LM1040
ERA13.5.1.1	The system shall make access restriction level recommendations based on NARA-defined rules	ERA382	ERA13.5.1.1.3	The system shall provide users the capability to create access restriction determination rules	1	D	Software	LM382
ERA13.5.1.2	The system shall make access restriction level recommendations based on comparing assets contents with defined lists of terms	ERA383	ERA13.5.1.2	The system shall make access restriction level recommendations based on comparing assets contents with defined lists of terms	1	D	Software	ERA383
ERA13.5.1.2	The system shall make access restriction level recommendations based on comparing assets contents with defined lists of terms	ERA383	ERA13.5.1.2.1	The system shall provide users the capability to update access restriction determination content terms	1	D	Software	LM1041
ERA13.5.1.2	The system shall make access restriction level recommendations based on comparing assets contents with defined lists of terms	ERA383	ERA13.5.1.2.2	The system shall provide users the capability to delete access restriction determination content terms	1	D	Software	LM1042
ERA13.5.2	The system shall provide the capability to report the results of parsing an asset for potentially access restricted content	ERA384	ERA13.5.2	The system shall provide the capability to report the results of parsing an asset for potentially access restricted content	1	D	Software	ERA384
ERA13.5.2.1	The system shall indicate any content it identifies as potentially access restricted	ERA385	ERA13.5.2.1	The system shall indicate any content it identifies as potentially access restricted	1	D	Software	ERA385
ERA13.5.2.2	The system shall report on the basis on which access restriction recommendations were made	ERA386	ERA13.5.2.2	The system shall report on the basis on which access restriction recommendations were made	1	D	Software	ERA386
ERA13.5.2.3	The system shall provide the capability to summarize the results of parsing an asset for potentially access restricted content	ERA387	ERA13.5.2.3	The system shall provide the capability to summarize the results of parsing an asset for potentially access restricted content	1	D	Software	ERA387
ERA13.5.2.3	The system shall provide the capability to summarize the results of parsing an asset for potentially access restricted content	ERA387	ERA13.5.2.3.1	The system shall provide the capability to display detailed results of parsing an asset for potentially access restricted content	1	D	Software	LM1046
ERA13.5.2.4	The system shall provide the capability to summarize the results of parsing a set of assets for potentially access restricted content	ERA388	ERA13.5.2.4	The system shall provide the capability to summarize the results of parsing a set of assets for potentially access restricted content	1	D	Software	ERA388
ERA13.5.2.4	The system shall provide the capability to summarize the results of parsing a set of assets for potentially access restricted content	ERA388	ERA13.5.2.4.1	The system shall provide the capability to display detailed results of parsing a set of assets for potentially access restricted content	1	D	Software	LM1047
ERA13.5.3	The system shall provide the capability for users to confirm the results of examination of assets for potentially access restricted content	ERA389	ERA13.5.3	The system shall provide the capability for users to confirm the results of examination of assets for potentially access restricted content	1	D	Software	ERA389
ERA13.5.3	The system shall provide the capability for users to confirm the results of examination of assets for potentially access restricted content	ERA389	ERA13.5.3.2	The system shall provide the capability for users to accept an access restriction recommendation made by the system	1	D	Software	LM1048



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allo- cation	LMUnique ID
ERA13 5.3.1	The system shall provide the capability for users to override any access restriction recommendation made by the system	ERA390	ERA13.5.3.1	The system shall provide the capability for users to override any access restriction recommendation made by the system	1	D	Software	ERA390
ERA13 5 3 1.1	The system shall provide the capability for users to override the annotation of content as potentially access restricted	ERA391	ERA13.5.3 1.1	The system shall provide the capability for users to override the annotation of content as potentially access restricted	1	D	Software	ERA391
ERA13 5 3 1 2	The system shall provide the capability for users to override the basis for annotating of content as potentially access restricted	ERA392	ERA13.5 3 1 2	The system shall provide the capability for users to override the basis for annotating of content as potentially access restricted	1	D	Software	ERA392
ERA13 6	The system shall provide the capability for users to designate the potential access restrictions of assets	ERA393	ERA13 6	The system shall provide the capability for users to designate the potential access restrictions of assets	1	D	Software	ERA393
ERA13 6 1	The system shall provide the capability for users to annotate any portion of the content of an asset as potentially access restricted	ERA394	ERA13.6 1	The system shall provide the capability for users to annotate any portion of the content of an asset as potentially access restricted	1	D	Software	ERA394
ERA13 6 2	The system shall provide the capability for users to annotate the content of an asset as potentially access restricted using any defined level of access restriction	ERA395	ERA13.6.2	The system shall provide the capability for users to annotate the content of an asset as potentially access restricted using any defined level of access restriction	1	D	Software	ERA395
ERA13.6.3	The system shall provide the capability for users to indicate the basis for annotating content as potentially access restricted	ERA396	ERA13.6.3	The system shall provide the capability for users to indicate the basis for annotating content as potentially access restricted	1	D	Software	ERA396
ERA13.6.4	The system shall provide the capability for users to remove potential access restriction annotations	ERA397	ERA13 6.4	The system shall provide the capability for users to remove potential access restriction annotations	1	D	Software	ERA397
ERA13 7	The system shall segregate electronic records during ingest based on potential access restrictions	ERA398	ERA13.7	The system shall segregate electronic records during ingest based on potential access restrictions	1	D	Operations	ERA398
ERA13.7	The system shall segregate electronic records during ingest based on potential access restrictions	ERA398	ERA13 7.3	The system shall provide the capability to segregate electronic records based upon access restrictions	1	D	Operations	LM3383
ERA13 7.1	The system shall separate incoming assets of undetermined access restrictions from the rest of ERA's assets until the access restrictions of the incoming assets can be determined	ERA399	ERA13 7.1	The system shall separate incoming assets of undetermined access restrictions from the rest of ERA's assets until the access restrictions of the incoming assets can be determined	1	D	Operations	ERA399
ERA13 7.2	The system shall store assets that have been identified as potentially access restricted in a separate area pending review	ERA400	ERA13.7.2	The system shall store assets that have been identified as potentially access restricted in a separate area pending review	1	D	Operations	ERA400
ERA13 8	The system shall process electronic records in environments appropriate to their stated access restrictions	ERA401	ERA13 8	The system shall process electronic records in environments appropriate to their stated access restrictions	1	I	Operations	ERA401



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allo-cation	LMUnique ID
ERA13.9	The system shall prohibit unauthorized alteration of electronic records	ERA402	ERA13.9	The system shall prohibit unauthorized alteration of electronic records	1	T	Software	ERA402
ERA13.10	The system shall prohibit unauthorized alteration of system data	ERA403	ERA13.10	The system shall prohibit unauthorized alteration of system data	1	T	Software	ERA403
ERA13.11	The system shall provide the capability for non-repudiation at the electronic record level	ERA404	ERA13.11	The system shall provide the capability for non-repudiation at the electronic record level	1	D	Software	ERA404
ERA13.12	The system shall store accessioned electronic records in a non-encrypted state	ERA405	ERA13.12	The system shall store accessioned electronic records in a non-encrypted state	1	T	Software, Operations	ERA405
ERA13.13	The system shall provide the capability for configurable data access control schemes	ERA406	ERA13.13	The system shall provide the capability for configurable data access control schemes	1	I	Software	ERA406
ERA13.13.1	The system shall assign access control privileges according to a user's identity	ERA407	ERA13.13.1	The system shall assign access control privileges according to a user's identity	1	D	Software	ERA407
ERA13.13.2	The system shall provide the capability for user group access control	ERA408	ERA13.13.2	The system shall provide the capability for user group access control	1	D	Software	ERA408
ERA13.13.3	The system shall provide the capability to determine a user's identity through the use of strong authentication technology	ERA409	ERA13.13.3	The system shall provide the capability to determine a user's identity through the use of strong authentication technology	1	D	Software	ERA409
ERA13.13.4	The system shall control access to electronic records according to access restrictions	ERA410	ERA13.13.4	The system shall control access to electronic records according to access restrictions	1	D	Software	ERA410
ERA13.13.5	The system shall control access to electronic records according to ownership rights	ERA411	ERA13.13.5	The system shall control access to electronic records according to ownership rights	1	D	Software	ERA411
ERA14	The system shall provide security for itself	ERA412	ERA14	The system shall provide security for itself	1	T	Software	ERA412
ERA14.1	The system shall prevent unauthorized system access	ERA413	ERA14.1	The system shall prevent unauthorized system access	1	T	Hardware, Software, Operations	ERA413
ERA14.1	The system shall prevent unauthorized system access	ERA413	ERA14.1.1	The system shall prevent unauthorized system access	1	T	Hardware, Operations	LM1070
ERA14.1	The system shall prevent unauthorized system access	ERA413	ERA14.1.2	The system shall prevent unauthorized system access	1	T	Operations Software	LM1071
ERA14.1	The system shall prevent unauthorized system access	ERA413	ERA14.1.3	The system shall prevent unauthorized access to services	1	T	Software	LM1072
ERA14.1	The system shall prevent unauthorized system access	ERA413	ERA14.1.4	The system shall prevent unauthorized access to data	1	T	Software	LM3146
ERA14.1	The system shall prevent unauthorized system access	ERA413	ERA14.1.5	The system shall prevent unauthorized system access in accordance with the Security Plan	1	T	Hardware, Software, Operations	LM413
ERA14.2	The system shall provide intrusion deterrence	ERA414	ERA14.2	The system shall provide intrusion deterrence	1	T	Hardware, Software	ERA414
ERA14.2	The system shall provide intrusion deterrence	ERA414	ERA14.2.1	The system shall provide deterrence to physical intrusion to the data-center	1	T	Hardware, Operations	LM1073
ERA14.2	The system shall provide intrusion deterrence	ERA414	ERA14.2.2	The system shall provide deterrence to network intrusion	1	T	Software	LM1074





RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allo-cation	LMUnique ID
ERA14.2	The system shall provide intrusion deterrence	ERA414	ERA14.2.3	The system shall provide deterrence to service intrusion	1	T	Software	LM1075
ERA14.2	The system shall provide intrusion deterrence	ERA414	ERA14.2.4	The system shall provide deterrence to data intrusion	1	T	Software	LM3147
ERA14.3	The system shall provide intrusion detection	ERA415	ERA14.3	The system shall provide intrusion detection	1	T	Software	ERA4415
ERA14.3.1	The system shall identify occurrences of attempted intrusions	ERA416	ERA14.3.1	The system shall identify occurrences of attempted intrusions	1	T	Hardware, Software	ERA4416
ERA14.3.1	The system shall identify occurrences of attempted intrusions	ERA416	ERA14.3.1.1	The system shall identify occurrences of unsuccessful physical intrusion to the data-center	1	T	Hardware, Operations	LM1076
ERA14.3.1	The system shall identify occurrences of attempted intrusions	ERA416	ERA14.3.1.2	The system shall identify occurrences of unsuccessful network intrusion	1	T	Hardware	LM1077
ERA14.3.1	The system shall identify occurrences of attempted intrusions	ERA416	ERA14.3.1.3	The system shall identify occurrences of unsuccessful service intrusion	1	T	Software	LM1078
ERA14.3.1	The system shall identify occurrences of attempted intrusions	ERA416	ERA14.3.1.4	The system shall identify occurrences of unsuccessful data intrusion	1	T	Software	LM3148
ERA14.3.2	The system shall identify occurrences of attempted intrusions	ERA416	ERA14.3.1.5	The system shall identify occurrences of unsuccessful intrusions	1	T	Hardware, Software	LM416
ERA14.3.2	The system shall identify occurrences of successful intrusions	ERA417	ERA14.3.2	The system shall identify occurrences of successful intrusions	1	T	Hardware, Software	ERA4417
ERA14.3.2	The system shall identify occurrences of successful intrusions	ERA417	ERA14.3.2.1	The system shall identify occurrences of successful physical intrusion to the data-center	1	T	Hardware, Operations	LM1079
ERA14.3.2	The system shall identify occurrences of successful intrusions	ERA417	ERA14.3.2.2	The system shall identify occurrences of successful network intrusion	1	T	Hardware	LM1080
ERA14.3.2	The system shall identify occurrences of successful intrusions	ERA417	ERA14.3.2.3	The system shall identify occurrences of successful service intrusion	1	T	Software	LM1081
ERA14.3.2	The system shall identify occurrences of successful intrusions	ERA417	ERA14.3.2.4	The system shall identify occurrences of successful data intrusion	1	T	Software	LM3149
ERA14.4	The system shall provide data confidentiality of all potentially access restricted information that is exchanged between the system and any other system	ERA418	ERA14.4	The system shall provide data confidentiality of all potentially access restricted information that is exchanged between the system and any other system	1	D	Hardware	ERA4418
ERA14.4	The system shall provide data confidentiality of all potentially access restricted information that is exchanged between the system and any other system	ERA418	ERA14.4.1	The system shall provide data confidentiality of potentially access restricted information that is exchanged between the system and systems that comply with the the Interface Requirements Specification	1	D	Hardware	LM418
ERA14.5	The system shall provide virus detection	ERA419	ERA14.5	The system shall provide virus detection	1	T	Software	ERA4419
ERA14.6	The system shall provide virus elimination	ERA420	ERA14.6	The system shall provide virus elimination	1	T	Software	ERA4420
ERA14.6	The system shall provide virus elimination	ERA420	ERA14.6.1	The system shall provide the capability to quarantine files where removing the virus would damage the file	1	T	Software	LM1049



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA14.6	The system shall provide virus elimination	ERA420	ERA14.6.2	The system shall provide the capability to remove viruses where doing so will not damage the file	1	T	Software	LM420
ERA14.7	The system shall operate in accordance with applicable security guidance and rules	ERA421	ERA14.7	The system shall operate in accordance with applicable security guidance and rules	1	I	Software	ERA421
ERA14.7.1	The system shall operate in accordance with the Federal Information Security Management Act of 2002 (FISMA)	ERA422	ERA14.7.1	The system shall operate in accordance with the Federal Information Security Management Act of 2002 (FISMA)	1	I	Operations	ERA422
ERA14.7.2	The system shall operate in accordance with the NARA Policy Directive, NARA 804, Information Technology Systems Security Handbook	ERA423	ERA14.7.2	The system shall operate in accordance with the NARA Policy Directive, NARA 804, Information Technology Systems Security Handbook	1	I	Operations	ERA423
ERA14.8	The system shall employ strong authentication techniques when exchanging data with other systems	ERA424	ERA14.8	The system shall employ strong authentication techniques when exchanging data with other systems	1	D	Software	ERA424
ERA14.8	The system shall employ strong authentication techniques when exchanging data with other systems	ERA424	ERA14.8.1	The system shall employ strong authentication techniques when exchanging data with other systems that can accommodate strong authentication according to the Interface Requirements Specification	1	D	Software	LM424
ERA14.9	The system shall provide the capability for backup of ERA	ERA425	ERA14.9	The system shall provide the capability for backup of ERA	1	D	Software	ERA425
ERA14.9	The system shall provide the capability for backup of ERA	ERA425	ERA14.9.4	The system shall provide the capability for the backup of dynamically persisted system data required to rebuild ERA	1	D	Software	LM3384
ERA14.9.1	The system shall provide the capability for the backup of all COTS products files required to re-establish ERA	ERA426	ERA14.9.1	The system shall provide the capability for the backup of all COTS products files required to re-establish ERA	1	D	Software	ERA426
ERA14.9.2	The system shall provide the capability for the backup of all application files required to rebuild ERA	ERA427	ERA14.9.2	The system shall provide the capability for the backup of all application files required to rebuild ERA	1	D	Software	ERA427
ERA14.9.3	The system shall provide the capability for the backup of all configuration support files required to rebuild ERA	ERA428	ERA14.9.3	The system shall provide the capability for the backup of all configuration support files required to rebuild ERA	1	D	Software	ERA428
ERA14.10	The system shall control access to services based on user privileges	ERA429	ERA14.10	The system shall control access to services based on user privileges	1	D	Software	ERA429
ERA14.10.1	The system shall control access to service privileges according to Boolean combinations of group membership	ERA430	ERA14.10.1	The system shall control access to service privileges according to Boolean combinations of group membership	1	D	Software	ERA430
ERA14.11	The system shall control access to records lifecycle data based on a user's access privileges	ERA431	ERA14.11	The system shall control access to records lifecycle data based on a user's access privileges	1	D	Software	ERA431



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ERA14.12	The system shall provide the capability to change a user's access privileges	ERA432	ERA14.12	The system shall provide the capability to change a user's access privileges	1	D	Software	ERA432
ERA14.12	The system shall provide the capability to change a user's access privileges	ERA432	ERA14.12.1	The system shall provide the capability to grant an individual access privilege for a user	1	D	Software	LM1082
ERA14.12	The system shall provide the capability to change a user's access privileges	ERA432	ERA14.12.2	The system shall provide the capability to change an individual access privilege for a user	1	D	Software	LM1083
ERA14.12	The system shall provide the capability to change a user's access privileges	ERA432	ERA14.12.3	The system shall provide the capability to revoke all access privileges for a user	1	D	Software	LM1084
ERA14.13	The system shall provide the capability to associate user privilege sets with sets of electronic records	ERA433	ERA14.13	The system shall provide the capability to associate user privilege sets with sets of electronic records	1	D	Software	ERA433
ERA14.14	The system shall provide the capability to manage access privileges for groups of users	ERA434	ERA14.14	The system shall provide the capability to manage access privileges for groups of users	1	D	Software	ERA434
ERA14.14	The system shall provide the capability to manage access privileges for groups of users	ERA434	ERA14.14.3	The system shall apply access privileges for users who are members of multiple groups according to policy	1	T	Software	LM1139
ERA14.14.1	The system shall provide the capability for a user to be a member of multiple groups	ERA435	ERA14.14.1	The system shall provide the capability for a user to be a member of multiple groups	1	D	Software	ERA435
ERA14.14.2	The system shall provide the capability to change access privileges for an entire group of users	ERA436	ERA14.14.2	The system shall provide the capability to change access privileges for an entire group of users	1	D	Software	ERA436
ERA14.15	The system shall provide the capability for recovery of ERA	ERA437	ERA14.15	The system shall provide the capability for recovery of ERA	1	T	Operations	ERA437
ERA14.15	The system shall provide the capability for recovery of ERA	ERA437	ERA14.15.4	The system shall provide the capability to recover from a hardware failure as required to re-establish ERA	1	D	Operations	LM1141
ERA14.15	The system shall provide the capability for recovery of ERA	ERA437	ERA14.15.5	The system shall provide the capability to recover from a physical site outage as required to re-establish ERA	1	I	Operations	LM1142
ERA14.15	The system shall provide the capability for recovery of ERA	ERA437	ERA14.15.6	The system shall provide the capability to recover network services required to re-establish ERA	1	I	Operations	LM1143
ERA14.15.1	The system shall provide the capability to recover all COTS products files required to re-establish ERA	ERA438	ERA14.15.1	The system shall provide the capability to recover all COTS products files required to re-establish ERA	1	T	Operations	ERA438
ERA14.15.1	The system shall provide the capability to recover all COTS products files required to re-establish ERA	ERA438	ERA14.15.1.1	The system shall provide the capability to re-build COTS product files to the state necessary to re-establish ERA according to performance specification requirements for the ERA system	1	T	Operations	LM438



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA14.15.2	The system shall provide the capability to recover all application files required to re-establish ERA	ERA439	ERA14.15.2	The system shall provide the capability to recover all application files required to re-establish ERA	1	T	Operations	ERA439
ERA14.15.2	The system shall provide the capability to recover all application files required to re-establish ERA	ERA439	ERA14.15.2.1	The system shall provide the capability to re-build application files to the state necessary to re-establish ERA according to performance specification requirements for the ERA	1	T	Operations	LM439
ERA14.15.3	The system shall provide the capability to recover all configuration support files required to re-establish ERA	ERA440	ERA14.15.3	The system shall provide the capability to recover all configuration support files required to re-establish ERA	1	T	Operations	ERA440
ERA14.15.3	The system shall provide the capability to recover all configuration support files required to re-establish ERA	ERA440	ERA14.15.3.1	The system shall provide the capability to re-build configuration support files to the state necessary to re-establish ERA according to performance specification requirements for the ERA system	1	T	Operations	LM440
ERA15	The system shall accept all types of electronic records	ERA441	ERA15	The system shall accept all types of electronic records	1	A	Software	ERA441
ERA15.1	The system shall accept all electronic record types	ERA442	ERA15.1	The system shall accept all electronic record types	1	A	Software	ERA442
ERA15.1	The system shall accept all electronic record types	ERA442	ERA15.1.2	The system shall ingest all electronic record types	1	A	Software	LM442
ERA15.1.1	The system shall accept all data types in which electronic records are written	ERA443	ERA15.1.1	The system shall accept all data types in which electronic records are written	1	A	Software	ERA443
ERA15.1.1	The system shall accept all data types in which electronic records are written	ERA443	ERA15.1.1.1	The system shall ingest electronic records independent of their data type	1	A	Software	LM443
ERA15.2	The system shall accept electronic records that are composed of more than one digital component	ERA444	ERA15.2	The system shall accept electronic records that are composed of more than one digital component	1	D	Software	ERA444
ERA15.2.1	The system shall retain the relationships between the digital components of an electronic record	ERA445	ERA15.2.1	The system shall retain the relationships between the digital components of an electronic record	1	D	Software	ERA445
ERA15.3	The system shall provide the capability to identify the data type of any electronic record	ERA446	ERA15.3	The system shall provide the capability to identify the data type of any electronic record	1	D	Software	ERA446
ERA15.4	The system shall provide the capability to identify the data type of any component of an electronic record	ERA447	ERA15.4	The system shall provide the capability to identify the data type of any component of an electronic record	1	T	Software	ERA447
ERA15.4	The system shall provide the capability to identify the data type of any component of an electronic record	ERA447	ERA15.4.1	The system shall provide the capability to identify the data type of a digital component of an electronic record	1	T	Software	LM447
ERA16	The system shall provide the capability to transfer electronic records to ERA	ERA448	ERA16	The system shall provide the capability to transfer electronic records to ERA	1	D	Software	ERA448





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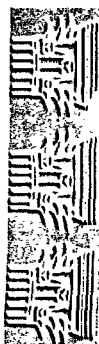
RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allo-cation	LMUnique ID
ERA16	The system shall provide the capability to transfer electronic records to ERA	ERA448	ERA16.7	The system shall provide the capability to transfer electronic records to ERA, in accordance with the Interface Requirements Specification	1	D	Software	LM448
ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	ERA16.1	The system shall accept electronic records transferred via physical media	1	D	Operations	ERA449
ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	ERA16.1.2	The system shall provide the capability to create records lifecycle metadata from media inventory data	1	T	Software	LM1144
ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	ERA16.1.3	The system shall provide the capability to copy the files from supplied physical media into the ERA system	1	T	Hardware	LM1145
ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	ERA16.1.4	The system shall provide the capability to prioritize processing of physical media based upon transfer request	1	T	Operations	LM1146
ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	ERA16.1.5	The system shall provide the capability to prioritize processing of physical media based upon media type	1	T	Operations	LM3150
ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	ERA16.1.6	The system shall provide the capability to store physical media according to transfer agreement	1	T	Operations	LM1147
ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	ERA16.1.7	The system shall provide the capability to transfer physical media content to another media type	1	T	Hardware	LM1148
ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	ERA16.1.8	The system shall provide the capability to indicate that electronic records are ready for ingest into ERA	1	T	Software	LM1149
ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	ERA16.1.9	The system shall provide the capability to return the physical media to the transferring entity	1	D	Operations	LM1150
ERA16.1	The system shall accept electronic records transferred via physical media	ERA449	ERA16.1.10	The system shall provide the capability to destroy the physical media according to the transfer agreement	1	I	Operations	LM1151
ERA16.1.1	The system shall provide the capability to track the location of transfer media containing electronic records prior to the ingest of the records into ERA	ERA450	ERA16.1.1	The system shall provide the capability to track the location of transfer media containing electronic records prior to the ingest of the records into ERA	1	D	Software	ERA450
ERA16.2	The system shall provide the capability to accept transfers electronically	ERA451	ERA16.2	The system shall provide the capability to accept transfers electronically	1	D	Software	ERA451
ERA16.2	The system shall provide the capability to accept transfers electronically	ERA451	ERA16.2.3	The system shall provide the capability for a user to cancel a transfer in progress	1	D	Software	LM3326

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ERA16.2	The system shall provide the capability to accept transfers electronically	ERA451	ERA16.2.4	The system shall provide a user with an estimate of the time required to complete a transfer	1	D	Software	LM3327
ERA16.2.1	The system shall provide the capability for NARA-initiated transfers	ERA452	ERA16.2.1	The system shall provide the capability for NARA-initiated transfers	1	D	Software	ERA452
ERA16.2.1	The system shall provide the capability for NARA-initiated transfers	ERA452	ERA16.2.1.1	The system shall provide the capability to accept NARA-initiated transfers, in accordance with the Interface Requirements Specification	1	D	Software	LM452
ERA16.2.2	The system shall provide the capability for transferring entity initiated transfers	ERA453	ERA16.2.2	The system shall provide the capability for transferring entity initiated transfers	1	D	Software	ERA453
ERA16.2.2	The system shall provide the capability for transferring entity initiated transfers	ERA453	ERA16.2.2.1	The system shall provide the capability to accept transferring entity initiated transfers, in accordance with the Interface Requirements Specification	1	D	Software	LM453
ERA16.3	The system shall confirm the success of the transfer	ERA454	ERA16.3	The system shall confirm the success of the transfer	1	T	Software	ERA454
ERA16.3	The system shall confirm the success of the transfer	ERA454	ERA16.3.4	The system shall provide the capability to verify that transfer media contents match the transfer agreement	1	D	Software	LM1152
ERA16.3	The system shall confirm the success of the transfer	ERA454	ERA16.3.5	The system shall confirm the success of the transfer to the sending party, in accordance with the Interface Requirements Specification	1	T	Software	LM454
ERA16.3.1	The system shall check electronic records contained in a transfer	ERA455	ERA16.3.1	The system shall check electronic records contained in a transfer	1	D	Software	ERA455
ERA16.3.1	The system shall check electronic records contained in a transfer	ERA455	ERA16.3.1.1	The system shall verify the data files associated with electronic records contained in a transfer	1	D	Software	LM455
ERA16.3.2	The system shall report discrepancies found with the transfer	ERA456	ERA16.3.2	The system shall report discrepancies found with the transfer	1	D	Software	ERA456
ERA16.3.2	The system shall report discrepancies found with the transfer	ERA456	ERA16.3.2.1	The system shall report discrepancies found between the transfer and the transfer agreement	1	D	Software	LM456
ERA16.3.3	The system shall apply Error Detection and Correction (EDAC) technology to transfers	ERA457	ERA16.3.3	The system shall apply Error Detection and Correction (EDAC) technology to transfers	1	T	Software	ERA457
ERA16.4	The system shall use templates to check that the transfer contained what was specified in the disposition agreement	ERA458	ERA16.4	The system shall use templates to check that the transfer contained what was specified in the disposition agreement	1	T	Software	ERA458
ERA16.4.1	The system shall check that the transfer contains all files identified in the disposition agreement	ERA459	ERA16.4.1	The system shall check that the transfer contains all files identified in the disposition agreement	1	T	Software	ERA459
ERA16.4.2	The system shall check the data type of each file in the transfer	ERA460	ERA16.4.2	The system shall check the data type of each file in the transfer	1	T	Software	ERA460

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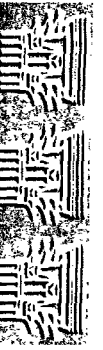
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RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA16.5	The system shall use templates to check the archival properties of transferred electronic records	ERA461	ERA16.5	The system shall use templates to check the archival properties of transferred electronic records	2	T	Software	ERA461
ERA16.5.1	The system shall use templates to check the structure of transferred electronic records	ERA462	ERA16.5.1	The system shall use templates to check the structure of transferred electronic records	2	T	Software	ERA462
ERA16.5.2	The system shall use templates to check the representation information of transferred electronic records	ERA463	ERA16.5.2	The system shall use templates to check the representation information of transferred electronic records	2	T	Software	ERA463
ERA16.5.3	The system shall use templates to check the arrangement of an aggregate of transferred electronic records	ERA464	ERA16.5.3	The system shall use templates to check the arrangement of an aggregate of transferred electronic records	2	T	Software	ERA464
ERA16.6	The system shall provide the capability for inclusion of information about sets of records in a transfer	ERA465	ERA16.6	The system shall provide the capability for inclusion of information about sets of records in a transfer	1	D	Software	ERA465
ERA16.6	The system shall provide the capability for inclusion of information about sets of records in a transfer	ERA465	ERA16.6.3	The system shall provide the capability for inclusion of information about sets of records in a transfer	1	D	Software	LM465
ERA16.6.1	The system shall provide the capability for inclusion of information about the arrangement of sets of records in a transfer	ERA466	ERA16.6.1	The system shall provide the capability for inclusion of information about the arrangement of sets of records in a transfer	1	D	Software	ERA466
ERA16.6.1	The system shall provide the capability for inclusion of information about the arrangement of sets of records in a transfer	ERA466	ERA16.6.1.1	The system shall provide the capability for inclusion of information about the arrangement of sets of records in a transfer, in accordance with the Interface Requirements Specification	1	D	Software	LM466
ERA16.6.2	The system shall provide the capability for inclusion of DOD-STD 5015.2 record profiles for records in a transfer	ERA467	ERA16.6.2	The system shall provide the capability for inclusion of DOD-STD 5015.2 record profiles for records in a transfer	2	A	Software	ERA467
ERA16.6.2	The system shall provide the capability for inclusion of DOD-STD 5015.2 record profiles for records in a transfer	ERA467	ERA16.6.2.1	The system shall provide the capability for inclusion of DOD-STD 5015.2 record profiles for records in a transfer, in accordance with the Interface Requirements Specification	2	A	Software	LM467
ERA17	The system shall provide the capability for access review of the assets it contains	ERA468	ERA17	The system shall provide the capability for access review of the assets it contains	2	D	Software	ERA468
ERA17	The system shall provide the capability for access review of the assets it contains	ERA468	ERA17.7	The system shall provide the capability to manage an access review process on an access review case	2	D	Software	LM1271
ERA17	The system shall provide the capability for access review of the assets it contains	ERA468	ERA17.7.1	The system shall provide the capability to capture the status of each item within an access review case	2	D	Software	LM1272

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ERA17	The system shall provide the capability for access review of the assets it contains	ERA468	ERA17.7.2	The system shall provide the capability to apply a review determination at the item level in an access review case	2	D	Software	LM1273
ERA17	The system shall provide the capability for access review of the assets it contains	ERA468	ERA17.7.3	The system shall provide the capability to capture the status of the access review case	2	D	Software	LM1274
ERA17.1	The system shall assist with review determinations	ERA469	ERA17.1	The system shall assist with review determinations	2	D	Software	ERA469
ERA17.1	The system shall assist with review determinations	ERA469	ERA17.1.8	The system shall provide the capability to assign access review requests to a user group	2	D	Software	LM1256
ERA17.1	The system shall assist with review determinations	ERA469	ERA17.1.9	The system shall provide the capability to collaborate with equity holders	2	D	Software	LM1257
ERA17.1	The system shall assist with review determinations	ERA469	ERA17.1.9.1	The system shall provide the capability to identify equity holders for assets undergoing access review	2	D	Software	LM1258
ERA17.1	The system shall assist with review determinations	ERA469	ERA17.1.9.2	The system shall provide the capability to create a review request to equity holders for assets undergoing access review	2	D	Software	LM1259
ERA17.1	The system shall assist with review determinations	ERA469	ERA17.1.9.3	The system shall provide the capability to track the status of requests to equity holders in an access review process	2	D	Software	LM1260
ERA17.1	The system shall assist with review determinations	ERA469	ERA17.1.9.4	The system shall provide the capability to capture proposed equity holder feedback	2	D	Software	LM1261
ERA17.1	The system shall assist with review determinations	ERA469	ERA17.1.9.5	The system shall provide the capability for a user to collate the guidance and proposed redactions from equity holder reviewers	2	D	Software	LM1262
ERA17.1	The system shall assist with review determinations	ERA469	ERA17.1.9.6	The system shall provide the capability to terminate a request to equity holders in an access review process	2	D	Software	LM1263
ERA17.1	The system shall assist with review determinations	ERA469	ERA17.1.9.7	The system shall provide the capability to modify a review request to equity holders for assets undergoing access review	2	D	Software	LM3151
ERA17.1.1	The system shall provide the capability to identify differences in access review determinations applied to copies of the same asset	ERA470	ERA17.1.1	The system shall provide the capability to identify differences in access review determinations applied to copies of the same asset	2	D	Software	ERA470
ERA17.1.1	The system shall provide the capability to identify differences in access review determinations applied to copies of the same asset	ERA470	ERA17.1.1.1	The system shall provide the capability to notify the access reviewer of differences in access review determinations applied to copies of the same asset	2	D	Software	LM1254
ERA17.1.2	The system shall provide the capability to identify differences in classifications applied to copies of the same asset	ERA471	ERA17.1.2	The system shall provide the capability to identify differences in classifications applied to copies of the same asset	2	D	Software	ERA471

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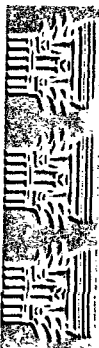
RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA17.1.2	The system shall provide the capability to identify differences in classifications applied to copies of the same asset	ERA471	ERA17.1.2.1	The system shall provide the capability to notify the access reviewer of differences in classifications applied to copies of the same asset	2	D	Software	LM1255
ERA17.1.3	The system shall provide the capability to recognize potentially access restricted assets	ERA472	ERA17.1.3	The system shall provide the capability to recognize potentially access restricted assets	2	D	Software	ERA472
ERA17.1.4	The system shall notify the access reviewer of the existence of potentially access restricted electronic records	ERA473	ERA17.1.4	The system shall notify the access reviewer of the existence of potentially access restricted electronic records	2	D	Software	ERA473
ERA17.1.4	The system shall notify the access reviewer of the existence of potentially access restricted electronic records	ERA473	ERA17.1.4.1	The system shall notify the access reviewer of the existence of potentially access restricted electronic records within a unit of work	2	D	Software	LM473
ERA17.1.5	The system shall provide the capability to assist in determining whether the same electronic records have been released previously	ERA474	ERA17.1.5	The system shall provide the capability to assist in determining whether the same electronic records have been released previously	2	D	Software	ERA474
ERA17.1.6	The system shall provide the capability to assist in determining whether the same assets have been released previously	ERA475	ERA17.1.6	The system shall provide the capability to assist in determining whether the same assets have been released previously	2	D	Software	ERA475
ERA17.1.7	The system shall provide a reference capability containing statutes and guidance relevant to the access review process	ERA476	ERA17.1.7	The system shall provide a reference capability containing statutes and guidance relevant to the access review process	2	D	Software	ERA476
ERA17.2	The system shall capture the results of the access review	ERA477	ERA17.2	The system shall capture the results of the access review	2	D	Software	ERA477
ERA17.2	The system shall capture the results of the access review	ERA477	ERA17.2.4	The system shall capture the identity of the authors of the review determination	2	D	Software	LM1264
ERA17.2	The system shall capture the results of the access review	ERA477	ERA17.2.5	The system shall capture the date and time when the review determination was finalized	2	D	Software	LM1265
ERA17.2	The system shall capture the results of the access review	ERA477	ERA17.2.6	The system shall capture the status of an access review	2	D	Software	LM1266
ERA17.2.1	The system shall capture the review determination	ERA478	ERA17.2.1	The system shall capture the review determination	2	D	Software	ERA478
ERA17.2.2	The system shall capture the reason for the review determination	ERA479	ERA17.2.2	The system shall capture the reason for the review determination	2	D	Software	ERA479
ERA17.2.2	The system shall capture the reason for the review determination	ERA479	ERA17.2.2.1	The system shall capture the reasons for the review determination as provided by the reviewers	2	D	Software	LM479
ERA17.2.3	The system shall link the review determination to the affected electronic record	ERA480	ERA17.2.3	The system shall link the review determination to the affected electronic record	2	D	Software	ERA480
ERA17.3	The system shall produce notifications that additional reviewers need to perform a review	ERA481	ERA17.3	The system shall produce notifications that additional reviewers need to perform a review	2	D	Software	ERA481

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ERA17.3	The system shall produce notifications that additional reviewers need to perform a review	ERA481	ERA17.3.1	The system shall provide the capability for a user to identify additional equity holders	2	D	Software	LM1267
ERA17.3	The system shall produce notifications that additional reviewers need to perform a review	ERA481	ERA17.3.2	The system shall provide the capability for a user to add additional equity holders to a review list	2	D	Software	LM1268
ERA17.4	The system shall provide the capability to change a review determination over time	ERA482	ERA17.4	The system shall provide the capability to change a review determination over time	2	D	Software	ERA482
ERA17.4.1	The system shall display the review determination history of an electronic record upon request	ERA483	ERA17.4.1	The system shall display the review determination history of an electronic record upon request	2	D	Software	ERA483
ERA17.5	The system shall provide the capability to declassify assets	ERA484	ERA17.5	The system shall provide the capability to declassify assets	2	D	Software	ERA484
ERA17.5	The system shall provide the capability to declassify assets	ERA484	ERA17.5.4	The system shall provide the capability to identify assets eligible for update of their classification as determined by their disposition agreement	2	D	Software	LM1269
ERA17.5	The system shall provide the capability to declassify assets	ERA484	ERA17.5.5	The system shall provide the capability to identify assets eligible for update of their classification as determined by their transfer agreement	2	D	Software	LM3178
ERA17.5	The system shall provide the capability to declassify assets	ERA484	ERA17.5.6	The system shall provide the capability to identify assets eligible for update of their classification as determined by legislation	2	D	Software	LM3179
ERA17.5	The system shall provide the capability to declassify assets	ERA484	ERA17.5.7	The system shall provide the capability to identify assets eligible for update of their classification as determined by regulations	2	D	Software	LM3180
ERA17.5	The system shall provide the capability to declassify assets	ERA484	ERA17.5.8	The system shall provide the capability to identify assets eligible for update of their classification as determined by the originating entity	2	D	Software	LM3328
ERA17.5.1	The system shall provide the capability to declassify individual records	ERA485	ERA17.5.1	The system shall provide the capability to declassify individual records	2	D	Software	ERA485
ERA17.5.2	The system shall provide the capability to declassify sets of records	ERA486	ERA17.5.2	The system shall provide the capability to declassify sets of records	2	D	Software	ERA486
ERA17.5.3	The system shall capture declassification information	ERA487	ERA17.5.3	The system shall capture declassification information	2	D	Software	ERA487
ERA17.6	The system shall manage review determinations	ERA488	ERA17.6	The system shall manage review determinations	2	D	Software	ERA488
ERA17.6	The system shall manage review determinations	ERA488	ERA17.6.9	The system shall provide the capability to view available review determination types	2	D	Software	LM1270
ERA17.6.1	The system shall provide the capability to define new review determinations	ERA489	ERA17.6.1	The system shall provide the capability to define new review determinations	2	D	Software	ERA489

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ERA17.6.2	The system shall provide the capability to update available review determinations	ERA490	ERA17.6.2	The system shall provide the capability to update available review determinations	2	D	Software	ERA490
ERA17.6.3	The system shall provide the capability to delete available review determinations	ERA491	ERA17.6.3	The system shall provide the capability to delete available review determinations	2	D	Software	ERA491
ERA17.6.4	The system shall provide the capability for a review determination of "fully release"	ERA492	ERA17.6.4	The system shall provide the capability for a review determination of "fully release"	2	D	Software	ERA492
ERA17.6.5	The system shall provide the capability for a review determination of "partially release"	ERA493	ERA17.6.5	The system shall provide the capability for a review determination of "partially release"	2	D	Software	ERA493
ERA17.6.6	The system shall provide the capability for a review determination of "redact"	ERA494	ERA17.6.6	The system shall provide the capability for a review determination of "redact"	2	D	Software	ERA494
ERA17.6.7	The system shall provide the capability for a review determination of "withhold"	ERA495	ERA17.6.7	The system shall provide the capability for a review determination of "withhold"	2	D	Software	ERA495
ERA17.6.7.1	The system shall provide the capability to create a placeholder for withheld electronic records indicating reasons for withholding	ERA496	ERA17.6.7.1	The system shall provide the capability to create a placeholder for withheld electronic records indicating reasons for withholding	2	D	Software	ERA496
ERA17.6.8	The system shall provide the capability for a review determination of "withdraw"	ERA497	ERA17.6.8	The system shall provide the capability for a review determination of "withdraw"	2	D	Software	ERA497
ERA18	The system shall provide the capability for redaction of the assets it contains	ERA498	ERA18	The system shall provide the capability for redaction of the assets it contains	2	D	Software	ERA498
ERA18.1	The system shall provide the capability for the user to produce redacted versions of the assets it contains	ERA499	ERA18.1	The system shall provide the capability for the user to produce redacted versions of the assets it contains	2	D	Software	ERA499
ERA18.1.1	The system shall provide the capability to remove any content from an asset to produce a redacted version of the asset	ERA500	ERA18.1.1	The system shall provide the capability to remove any content from an asset to produce a redacted version of the asset	2	D	Software	ERA500
ERA18.1.1	The system shall provide the capability to remove any content from an asset to produce a redacted version of the asset	ERA500	ERA18.1.1	The system shall provide the capability to remove any content from an asset to produce a redacted version of the asset	2	D	Software	ERA500
ERA18.1.2	The system shall provide the capability to replace any content from an asset to produce a redacted version of the asset	ERA501	ERA18.1.2	The system shall provide the capability to replace any content from an asset to produce a redacted version of the asset	2	D	Software	ERA501
ERA18.1.3	The system shall provide the capability to indicate where redaction has occurred	ERA502	ERA18.1.3	The system shall provide the capability to indicate where redaction has occurred	2	D	Software	ERA502
ERA18.2	The system shall manage redacted versions of assets	ERA503	ERA18.2	The system shall manage redacted versions of assets	2	D	Software	ERA503
ERA18.2	The system shall manage redacted versions of assets	ERA503	ERA18.2.1	The system shall assign a constant unique identifier to the redacted version of an asset	2	D	Software	LM1275
ERA18.2	The system shall manage redacted versions of assets	ERA503	ERA18.2.2	The system shall associate an asset with all redacted versions of that asset	2	D	Software	LM1276
ERA18.2	The system shall manage redacted versions of assets	ERA503	ERA18.2.3	The system shall associate the disposition agreement to a redacted version of an asset from which it was derived	2	D	Software	LM1277

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RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allo-cation	LMUnique ID
ERA18 2	The system shall manage redacted versions of assets	ERA503	ERA18 2 4	The system shall associate the description information to a redacted version of an asset from which it was derived	2	D	Software	LM1278
ERA18 2	The system shall manage redacted versions of assets	ERA503	ERA18 2 5	The system shall provide the capability to associate new description information to a redacted version of an asset	2	D	Software	LM3191
ERA18 2	The system shall manage redacted versions of assets	ERA503	ERA18 2 6	The system shall associate the lifecycle data to a redacted version of an asset from which it was derived	2	D	Software	LM3192
ERA18 2	The system shall manage redacted versions of assets	ERA503	ERA18 2 7	The system shall provide the capability to associate new lifecycle data to a redacted version of an asset	2	D	Software	LM1279
ERA18 3	The system shall provide the capability to present the redacted version of the assets it contains	ERA504	ERA18 3	The system shall provide the capability to present the redacted version of the assets it contains	2	D	Software	ERA504
ERA18 4	The system shall create a copy of the assets for redaction	ERA505	ERA18 4	The system shall create a copy of the assets for redaction	2	D	Software	ERA505
ERA18 5	The system shall prohibit redaction of any preservation copy of an electronic record	ERA506	ERA18 5	The system shall prohibit redaction of any preservation copy of an electronic record	2	D	Software	ERA506
ERA18 5.1	The system shall prohibit redaction of any electronic record digital component maintained for preservation	ERA507	ERA18 5.1	The system shall prohibit redaction of any electronic record digital component maintained for preservation	2	D	Software	ERA507
ERA18 6	The system shall provide the capability to capture redaction information	ERA508	ERA18 6	The system shall provide the capability to capture redaction information	2	D	Software	ERA508
ERA18 6 1	The system shall capture the reason(s) for the redaction	ERA509	ERA18 6.1	The system shall capture the reason(s) for the redaction	2	D	Software	ERA509
ERA18 6 1 1	The system shall provide the capability to link the reasons for redaction to each version of the redaction of an asset	ERA510	ERA18 6.1.1	The system shall provide the capability to link the reasons for redaction to each version of the redaction of an asset	2	D	Software	ERA510
ERA18 6 1 2	The system shall provide the capability to display information concerning the redaction during display of the redacted asset	ERA511	ERA18 6 1.2	The system shall provide the capability to display information concerning the redaction during display of the redacted asset	2	D	Software	ERA511
ERA18 6 2	The system shall capture the identity of the individual who performed a redaction	ERA512	ERA18 6 2	The system shall capture the identity of the individual who performed a redaction	2	D	Software	ERA512
ERA18 6 3	The system shall capture the date of a redaction	ERA513	ERA18 6.3	The system shall capture the date of a redaction	2	D	Software	ERA513
ERA18 6.3	The system shall capture the date of a redaction	ERA513	ERA18 6.3.1	The system shall capture the date and time of a redaction	2	D	Software	LM513
ERA18 7	The system shall provide the capability to redact all assets	ERA514	ERA18 7	The system shall provide the capability to redact all assets	3	A	Software	ERA514
ERA18 7	The system shall provide the capability to redact all assets	ERA514	ERA18 7.1	The system shall provide the capability to redact text	2	D	Software	LM1280

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RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allo-cation	LMUnique ID
ERA18 7	The system shall provide the capability to redact all assets	ERA514	ERA18.7.2	The system shall provide the capability to redact still images	2	D	Software	LM1281
ERA18 7	The system shall provide the capability to redact all assets	ERA514	ERA18.7.3	The system shall provide the capability to redact digital audio	3	D	Software	LM1282
ERA18 7	The system shall provide the capability to redact all assets	ERA514	ERA18.7.4	The system shall provide the capability to redact digital video	3	D	Software	LM3181
ERA18 7	The system shall provide the capability to redact all assets	ERA514	ERA18.7.5	The system shall provide the capability to redact line vector images	3	D	Software	LM3182
ERA18 7	The system shall provide the capability to redact all assets	ERA514	ERA18.7.6	The system shall provide the capability to redact structured data	2	D	Software	LM3183
ERA18 7	The system shall provide the capability to redact all assets	ERA514	ERA18.7.7	The system shall provide tools to assist the user in manual redaction of assets	3	D	Software	LM3189
ERA18 7	The system shall provide the capability to redact all assets	ERA514	ERA18.7.8	The system shall provide the capability to be extensible to redact additional digital items	3	A	Software	LM514
ERA18 8	The system shall provide tools for automated redaction of assets	ERA515	ERA18.8	The system shall provide tools for automated redaction of assets	4	D	Software	ERA515
ERA18 8	The system shall provide tools for automated redaction of assets	ERA515	ERA18.8.1	The system shall provide the capability to automatically redact assets based on NARA rules and guidance	4	D	Software	LM1283
ERA18 8	The system shall provide tools for automated redaction of assets	ERA515	ERA18.8.1.1	The system shall provide the capability to create NARA rules and guidance for the automated redaction of assets	4	D	Software	LM1284
ERA18 8	The system shall provide tools for automated redaction of assets	ERA515	ERA18.8.1.2	The system shall provide the capability to update NARA rules and guidance for the automated redaction of assets	4	D	Software	LM1285
ERA18.8	The system shall provide tools for automated redaction of assets	ERA515	ERA18.8.1.3	The system shall provide the capability to delete NARA rules and guidance for the automated redaction of assets	4	D	Software	LM1286
ERA18 8	The system shall provide tools for automated redaction of assets	ERA515	ERA18.8.2	The system shall provide the capability for a user to assess the automatic redaction of an asset	4	D	Software, Operations	LM1287
ERA18 9	The system shall provide the capability to display the disposition agreement for the electronic record being redacted	ERA516	ERA18.9	The system shall provide the capability to display the disposition agreement for the electronic record being redacted	2	D	Software	ERA516
ERA18.10	The system shall provide the capability to identify the redacted versions of assets	ERA517	ERA18.10	The system shall provide the capability to identify the redacted versions of assets	2	D	Software	ERA517
ERA19	The system shall provide the capability to search the assets it contains	ERA518	ERA19	The system shall provide the capability to search the assets it contains	4	D	Software	ERA518
ERA19 1	The system shall provide the capability for the user to select the characteristics of a search against the assets it contains	ERA519	ERA19.1	The system shall provide the capability for the user to select the characteristics of a search against the assets it contains	1	D	Software	ERA519

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RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allo-cation	LMUnique ID
ERA19.1	The system shall provide the capability for the user to select the characteristics of a search against the assets it contains	ERA519	ERA19.1.30	The system shall provide the capability to search by organizations	2	D	Software	LM3329
ERA19.1	The system shall provide the capability for the user to select the characteristics of a search against the assets it contains	ERA519	ERA19.1.31	The system shall provide the capability to use the results of an authority source search within the search criteria of a search against assets	2	D	Software	LM3330
ERA19.1	The system shall provide the capability for the user to select the characteristics of a search against the assets it contains	ERA519	ERA19.1.32	The system shall be extensible to search against new authority source types	2	A	Software	LM3331
ERA19.1.1	The system shall provide the capability for the user to enter the criteria for the search	ERA520	ERA19.1.1	The system shall provide the capability for the user to enter the criteria for the search	1	D	Software	ERA520
ERA19.1.2	The system shall provide the capability to search by geographic information	ERA521	ERA19.1.2	The system shall provide the capability to search by geographic information	2	D	Software	ERA521
ERA19.1.3	The system shall provide the capability to search by subject	ERA522	ERA19.1.3	The system shall provide the capability to search by subject	2	D	Software	ERA522
ERA19.1.3	The system shall provide the capability to search by subject	ERA522	ERA19.1.3.1	The system shall provide the capability for a free text search against a controlled list of subjects	2	D	Software	LM522
ERA19.1.4	The system shall provide the capability to search by time period	ERA523	ERA19.1.4	The system shall provide the capability to search by time period	2	D	Software	ERA523
ERA19.1.4	The system shall provide the capability to search by time period	ERA523	ERA19.1.4.1	The system shall provide the capability to search by range of dates	2	D	Software	LM523
ERA19.1.5	The system shall provide the capability to search by accession number	ERA524	ERA19.1.5	The system shall provide the capability to search by accession number	1	D	Software	ERA524
ERA19.1.5	The system shall provide the capability to search by accession number	ERA524	ERA19.1.5.1	The system shall provide the capability for a free text search against accession number	1	D	Software	LM524
ERA19.1.6	The system shall provide the capability to search by transferring entity	ERA525	ERA19.1.6	The system shall provide the capability to search by transferring entity	1	D	Software	ERA525
ERA19.1.7	The system shall provide the capability to search by government function	ERA526	ERA19.1.7	The system shall provide the capability to search by government function	2	D	Software	ERA526
ERA19.1.8	The system shall provide the capability to search by government line of business	ERA527	ERA19.1.8	The system shall provide the capability to search by government line of business	2	D	Software	ERA527
ERA19.1.9	The system shall provide the capability to search by asset type	ERA528	ERA19.1.9	The system shall provide the capability to search by asset type	1	D	Software	ERA528
ERA19.1.10	The system shall provide the capability to search by geospatial identifiers	ERA529	ERA19.1.10	The system shall provide the capability to search by geospatial identifiers	3	D	Software	ERA529
ERA19.1.11	The system shall provide the capability to search by any element defined in the asset's template	ERA530	ERA19.1.11	The system shall provide the capability to search by any element defined in the asset's template	3	I	Software	ERA530
ERA19.1.12	The system shall provide the capability to search by media type	ERA531	ERA19.1.12	The system shall provide the capability to search by media type	2	D	Software	ERA531

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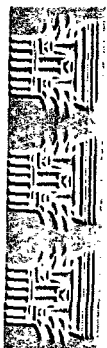
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RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allo-cation	LMUnique ID
ERA19 1 12	The system shall provide the capability to search by media type	ERA531	ERA19 1.12 1	The system shall provide the capability for a search against a controlled list of input media types	2	D	Software	LM531
ERA19 1 13	The system shall provide the capability to search by record type	ERA532	ERA19 1.13	The system shall provide the capability to search by record type	2	D	Software	ERA532
ERA19 1.13	The system shall provide the capability to search by record type	ERA532	ERA19 1.13 1	The system shall provide the capability for a search against a controlled list of record types	2	D	Software	LM532
ERA19 1.14	The system shall provide the capability to search descriptions by description unique identifier	ERA533	ERA19 1 14	The system shall provide the capability to search descriptions by description unique identifier	2	D	Software	ERA533
ERA19 1 15	The system shall provide the capability to search by title	ERA534	ERA19 1 15	The system shall provide the capability to search by title	2	D	Software	ERA534
ERA19 1 16	The system shall provide the capability for keyword searching	ERA535	ERA19 1 16	The system shall provide the capability for keyword searching	1	D	Software	ERA535
ERA19 1.17	The system shall provide the capability for exact phrase searching	ERA536	ERA19 1 17	The system shall provide the capability for exact phrase searching	1	D	Software	ERA536
ERA19 1 18	The system shall provide the capability for concept-based searching	ERA537	ERA19 1 18	The system shall provide the capability for concept-based searching	4	D	Software	ERA537
ERA19 1 19	The system shall provide the capability for Boolean searching	ERA538	ERA19 1 19	The system shall provide the capability for Boolean searching	1	D	Software	ERA538
ERA19 1 19	The system shall provide the capability for Boolean searching	ERA538	ERA19 1.19.1	The system shall provide the capability to use Boolean operators within search criteria	1	D	Software	LM538
ERA19 1 20	The system shall provide the capability for proximity searching	ERA539	ERA19 1 20	The system shall provide the capability for proximity searching	2	D	Software	ERA539
ERA19 1 20	The system shall provide the capability for proximity searching	ERA539	ERA19 1 20 1	The system shall provide the capability to use proximity operators within search criteria	2	D	Software	LM539
ERA19 1 21	The system shall provide the capability to search based on the frequency of access to assets by other researchers doing similar searches	ERA540	ERA19 1 21	The system shall provide the capability to search based on the frequency of access to assets by other researchers doing similar searches	2	D	Software	ERA540
ERA19 1.21	The system shall provide the capability to search based on the frequency of access to assets by other researchers doing similar searches	ERA540	ERA19 1.21 1	The system shall provide the capability to order search results on the basis of frequency of access	2	D	Software	LM1292
ERA19 1.21	The system shall provide the capability to search based on the frequency of access to assets by other researchers doing similar searches	ERA540	ERA19 1.21 2	The system shall capture information about how frequently an asset is accessed	2	D	Software	LM1293
ERA19 1 21	The system shall provide the capability to search based on the frequency of access to assets by other researchers doing similar searches	ERA540	ERA19 1.21.3	The system shall provide the capability to search on the basis of frequency of access to assets by similar searches	2	D	Software	LM540
ERA19 1.22	The system shall provide the capability for automated question-and-answer searching based on searches performed frequently	ERA541	ERA19 1 22	The system shall provide the capability for automated question-and-answer searching based on searches performed frequently	3	D	Software	ERA541

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ERA19.1.22	The system shall provide the capability for automated question-and-answer searching based on searches performed frequently	ERA541	ERA19.1.22.1	The system shall provide the capability to recommend search criteria based on frequently performed searches	3	D	Software	LM1294
ERA19.1.22	The system shall provide the capability for automated question-and-answer searching based on searches performed frequently	ERA541	ERA19.1.22.2	The system shall provide the capability for a user to refine a search by incorporating the recommended search criteria	3	D	Software	LM1295
ERA19.1.22	The system shall provide the capability for automated question-and-answer searching based on searches performed frequently	ERA541	ERA19.1.22.3	The system shall provide the capability for the user to skip a recommendation in the question-and-answer process	3	D	Software	LM1296
ERA19.1.22	The system shall provide the capability for automated question-and-answer searching based on searches performed frequently	ERA541	ERA19.1.22.4	The system shall provide the capability for the user to end the question-and-answer process after each search	3	D	Software	LM1297
ERA19.1.23	The system shall provide the capability to search only for descriptions that refer to electronic records	ERA542	ERA19.1.23	The system shall provide the capability to search only for descriptions that refer to electronic records	2	D	Software	ERA542
ERA19.1.24	The system shall provide the capability to use wildcard characters in searches	ERA543	ERA19.1.24	The system shall provide the capability to use wildcard characters in searches	1	D	Software	ERA543
ERA19.1.25	The system shall provide the capability for searching records lifecycle data	ERA544	ERA19.1.25	The system shall provide the capability for searching records lifecycle data	1	D	Software	ERA544
ERA19.1.26	The system shall provide the capability for searching authority sources for people	ERA545	ERA19.1.26	The system shall provide the capability for searching authority sources for people	2	D	Software	ERA545
ERA19.1.26	The system shall provide the capability for searching authority sources for people	ERA545	ERA19.1.26.1	The system shall provide the capability for searching authority sources for names	2	D	Software	LM1300
ERA19.1.27	The system shall provide the capability for searching authority sources for people	ERA546	ERA19.1.27	The system shall provide the capability for searching authority sources for titles	2	D	Software	LM1301
ERA19.1.28	The system shall provide the capability for searching authority sources for organizations	ERA547	ERA19.1.28	The system shall provide the capability for searching authority sources for organizations	2	D	Software	ERA546
ERA19.1.28	The system shall provide the capability for use of designated "stop words" that are disregarded during searches	ERA547	ERA19.1.28	The system shall provide the capability for the use of designated "stop words" that are disregarded during searches	2	D	Software	ERA547
ERA19.1.28	The system shall provide the capability for use of designated "stop words" that are disregarded during searches	ERA547	ERA19.1.28.1	The system shall provide the capability for a user to view the stop word list	2	D	Software	LM1302
ERA19.1.28	The system shall provide the capability for use of designated "stop words" that are disregarded during searches	ERA547	ERA19.1.28.2	The system shall provide the capability for a user to update the stop word list	2	D	Software	LM1303
ERA19.1.28	The system shall provide the capability for the use of designated "stop words" that are disregarded during searches	ERA547	ERA19.1.28.3	The system shall provide the capability to apply an index of "stop words" that are disregarded during searches	2	D	Software	LM547
ERA19.1.29	The system shall provide the capability to search by transfer	ERA548	ERA19.1.29	The system shall provide the capability to search by transfer	1	D	Software	ERA548

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RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LM Unique ID
ERA19.2	The system shall provide the capability to search for assets based on their contents	ERA549	ERA19.2	The system shall provide the capability to search for assets based on their contents	3	D	Software	ERA549
ERA19.2	The system shall provide the capability to search for assets based on their contents	ERA549	ERA19.2.1	The system shall provide the capability to perform content-based searches within a selected set of assets	2	D	Software	LM1307
ERA19.2	The system shall provide the capability to search for assets based on their contents	ERA549	ERA19.2.2	The system shall provide the capability to perform content-based searches within supported data types	2	D	Software	LM1308
ERA19.2	The system shall provide the capability to search for assets based on their contents	ERA549	ERA19.2.3	The system shall provide the capability to manage content-based search processing independently of other system functions	2	D	Software	LM1310
ERA19.3	The system shall provide the capability to search through hierarchies of information	ERA550	ERA19.3	The system shall provide the capability to search through hierarchies of information	2	D	Software	ERA550
ERA19.3.1	The system shall provide the capability to navigate from a description to an individual electronic record	ERA551	ERA19.3.1	The system shall provide the capability to navigate from a description to an individual electronic record	2	D	Software	ERA551
ERA19.3.1	The system shall provide the capability to navigate from a description to an individual electronic record	ERA551	ERA19.3.1.1	The system shall provide the capability to navigate from a description to an individual electronic record	2	D	Software	LM551
ERA19.3.2	The system shall provide the capability to navigate from an individual electronic record to an associated description	ERA552	ERA19.3.2	The system shall provide the capability to navigate from an individual electronic record to an associated description	2	D	Software	ERA552
ERA19.3.2	The system shall provide the capability to navigate from an individual electronic record to an associated description	ERA552	ERA19.3.2.1	The system shall provide the capability to navigate from an individual electronic record to descriptions which describe the record	2	D	Software	LM552
ERA19.3.3	The system shall provide the capability to navigate from a description to a set of electronic records	ERA553	ERA19.3.3	The system shall provide the capability to navigate from a description to a set of electronic records	2	D	Software	ERA553
ERA19.3.3	The system shall provide the capability to navigate from a description to a set of electronic records	ERA553	ERA19.3.3.1	The system shall provide the capability to navigate from a description to sets of records the description describes	2	D	Software	LM553
ERA19.3.4	The system shall provide the capability to navigate from a set of electronic records to a description of the set	ERA554	ERA19.3.4	The system shall provide the capability to navigate from a set of electronic records to a description of the set	2	D	Software	ERA554
ERA19.3.5	The system shall provide the capability to navigate through all levels of records lifecycle data while searching	ERA555	ERA19.3.5	The system shall provide the capability to navigate through all levels of records lifecycle data while searching	1	D	Software	ERA555
ERA19.3.5	The system shall provide the capability to navigate through all levels of records lifecycle data while searching	ERA555	ERA19.3.5.1	The system shall provide the capability to navigate from one level of records lifecycle data to related levels of records lifecycle data	1	D	Software	LM555

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ERA19.3.6	The system shall provide the capability to navigate through all levels of sets of records while searching	ERA556	ERA19.3.6	The system shall provide the capability to navigate through all levels of sets of records while searching	1	D	Software	ERA556
ERA19.3.7	The system shall provide the capability to navigate from a description to a description of the descriptor's creator	ERA557	ERA19.3.7	The system shall provide the capability to navigate from a description to a description of the descriptor's creator	2	D	Software	ERA557
ERA19.4	The system shall provide NARA-created default searches	ERA558	ERA19.4	The system shall provide NARA-created default searches	2	D	Software	ERA558
ERA19.4	The system shall provide NARA-created default searches	ERA558	ERA19.4.3	The system shall provide the capability for authorized users to create default searches	2	D	Software	LM1311
ERA19.4	The system shall provide NARA-created default searches	ERA558	ERA19.4.4	The system shall provide the capability for authorized users to update default searches	2	D	Software	LM1312
ERA19.4	The system shall provide NARA-created default searches	ERA558	ERA19.4.5	The system shall provide the capability for authorized users to delete default searches	2	D	Software	LM1313
ERA19.4.1	The system shall provide the capability for users to select a NARA default search from among available searches	ERA559	ERA19.4.1	The system shall provide the capability for users to select a NARA default search from among available searches	2	D	Software	ERA559
ERA19.4.2	The system shall run the user-selected NARA default search	ERA560	ERA19.4.2	The system shall run the user-selected NARA default search	2	D	Software	ERA560
ERA19.5	The system shall provide the capability for the user to select the search complexity level, from simple single-variable searches to multi-variable complex searches	ERA561	ERA19.5	The system shall provide the capability for the user to select the search complexity level, from simple single-variable searches to multi-variable complex searches	1	D	Software	ERA561
ERA19.5	The system shall provide the capability for the user to select the search complexity level, from simple single-variable searches to multi-variable complex searches	ERA561	ERA19.5.1	The system shall provide the capability for the user to perform a simple search using single variable searches	1	D	Software	LM1314
ERA19.5	The system shall provide the capability for the user to select the search complexity level, from simple single-variable searches to multi-variable complex searches	ERA561	ERA19.5.2	The system shall provide the capability for the user to perform a search using multiple variables	1	D	Software	LM1315
ERA19.5	The system shall provide the capability for the user to select the search complexity level, from simple single-variable searches to multi-variable complex searches	ERA561	ERA19.5.3	The system shall use a default complexity level if the user has not selected a complexity level	1	D	Software	LM1316
ERA19.6	The system shall provide the capability to control search run times	ERA562	ERA19.6	The system shall provide the capability to control search run times	2	A	Software	ERA562
ERA19.6.1	The system shall limit search run times in a pre-emptive manner	ERA563	ERA19.6.1	The system shall limit search run times in a pre-emptive manner	2	A	Software	ERA563



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ERA19.6.1	The system shall limit search run times in a pre-emptive manner	ERA563	ERA19.6.1.1	The system shall provide the capability to refuse execution of a search when the estimated run time exceeds the limit for the run time	2	D	Software	LM1317
ERA19.6.1	The system shall limit search run times in a pre-emptive manner	ERA563	ERA19.6.1.2	The system shall stop a search process when it exceeds the limit for its run time	1	D	Software	LM1318
ERA19.6.2	The system shall provide the capability for users to adjust search run time limits	ERA564	ERA19.6.2	The system shall provide the capability for users to adjust search run time limits	1	D	Software	ERA564
ERA19.6.2	The system shall provide the capability for users to adjust search run time limits	ERA564	ERA19.6.2.1	The system shall assign a default value as the run time limit for a search if no other value is provided	1	D	Software	LM1319
ERA19.6.2	The system shall provide the capability for users to adjust search run time limits	ERA564	ERA19.6.2.2	The system shall provide the capability for a user to set a run time limit on a search that is lower than the default value	2	D	Software	LM1320
ERA19.6.2	The system shall provide the capability for users to adjust search run time limits	ERA564	ERA19.6.2.3	The system shall provide the capability to assign default and maximum search run time limits to users and groups of users	1	D	Software	LM1321
ERA19.7	The system shall provide information to the user while the search is in progress	ERA565	ERA19.7	The system shall provide information to the user while the search is in progress	1	D	Software	ERA565
ERA19.7	The system shall provide information to the user while the search is in progress	ERA565	ERA19.7.1.1	The system shall provide the capability to assess the progress of a search process	2	D	Software	LM1322
ERA19.7.1	The system shall provide a search progress indicator	ERA566	ERA19.7.1	The system shall provide a search progress indicator	2	D	Software	ERA566
ERA19.7.2	The system shall display the search parameters selected by the user	ERA567	ERA19.7.2	The system shall display the search parameters selected by the user	1	D	Software	ERA567
ERA19.7.2	The system shall display the search parameters selected by the user	ERA567	ERA19.7.2.1	The system shall display the search criteria selected by the user while the search is in progress	1	D	Software	LM567
ERA19.7.3	The system shall provide an estimate to the user of how long the search will take to execute	ERA568	ERA19.7.3	The system shall provide an estimate to the user of how long the search will take to execute	2	D	Software	ERA568
ERA19.7.3	The system shall provide an estimate to the user of how long the search will take to execute	ERA568	ERA19.7.3.1	The system shall estimate how long the search will take to execute	2	D	Software	LM1323
ERA19.7.4	The system shall notify the user when the search is complete	ERA569	ERA19.7.4	The system shall notify the user when the search is complete	1	D	Software	ERA569
ERA19.7.4	The system shall notify the user when the search is complete	ERA569	ERA19.7.4.1	The system shall notify the user when a search ends before it is complete	1	D	Software	LM1324
ERA19.8	The system shall present the search results set to the user	ERA570	ERA19.8	The system shall present the search results set to the user	1	D	Software	ERA570
ERA19.8	The system shall present the search results set to the user	ERA570	ERA19.8.10	The system shall provide the capability to generate intermediate result sets for content-based searches without stopping the search	3	D	Software	LM1309



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RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allo-cation	LMUnique ID
ERA19.8.1	The system shall display a search results set that includes all assets meeting the search criteria	ERA571	ERA19.8.1	The system shall display a search results set that includes all assets meeting the search criteria	1	D	Software	ERA571
ERA19.8.1	The system shall display a search results set that includes all assets meeting the search criteria	ERA571	ERA19.8.1.1	The system shall display a message when the result set is empty	1	D	Software	LM1325
ERA19.8.1	The system shall display a search results set that includes all assets meeting the search criteria	ERA571	ERA19.8.1.2	The system shall display a search results set that includes references to all assets meeting the search criteria	1	D	Software	LM571
ERA19.8.2	The system shall display an explanation for the reason for withholding assets	ERA572	ERA19.8.2	The system shall display an explanation for the reason for withholding assets	1	D	Software	ERA572
ERA19.8.2	The system shall display an explanation for the reason for withholding assets	ERA572	ERA19.8.2.1	The system shall exclude from display withheld assets	1	D	Software	LM1326
ERA19.8.2	The system shall display an explanation for the reason for withholding assets	ERA572	ERA19.8.2.2	The system shall provide the capability to display an explanation for the reason for withholding assets	1	D	Software	LM572
ERA19.8.3	The system shall exclude from display assets whose existence cannot be disclosed to the requesting user	ERA573	ERA19.8.3	The system shall exclude from display assets whose existence cannot be disclosed to the requesting user	2	D	Software	ERA573
ERA19.8.4	The system shall display the total number of results in the result set returned by the search	ERA574	ERA19.8.4	The system shall display the total number of results in the result set returned by the search	1	D	Software	ERA574
ERA19.8.4	The system shall display the total number of results in the result set returned by the search	ERA574	ERA19.8.4.1	The system shall display the total number of results in the result set returned by the search, excluding assets whose existence cannot be disclosed to the requesting user	1	D	Software	LM574
ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA575	ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	1	D	Software	ERA575
ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA575	ERA19.8.5.1	The system shall use a default value for the quantity of search results to be presented in the results set	1	D	Software	LM1327
ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA575	ERA19.8.5.2	The system shall provide the capability to limit the quantity of search results in the result set	1	D	Software	LM1328
ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA575	ERA19.8.5.3	The system shall provide the capability to create a default value for the quantity of search results to be presented in the result set	1	D	Software	LM3332
ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA575	ERA19.8.5.4	The system shall provide the capability to update the default value for the quantity of search results to be presented in the result set	1	D	Software	LM3333

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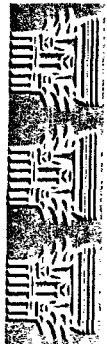


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ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA575	ERA19.8.5.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set at one time	1	D	Software	LM575
ERA19.8.6	The system shall provide the capability for users to select the order in which the result set is presented	ERA576	ERA19.8.6	The system shall provide the capability for users to select the order in which the result set is presented	1	D	Software	ERA576
ERA19.8.6	The system shall provide the capability for users to select the order in which the result set is presented	ERA576	ERA19.8.6.1	The system shall order the result set by a default order if the user has not selected a presentation order	1	D	Software	LM1329
ERA19.8.6	The system shall provide the capability for users to select the order in which the result set is presented	ERA576	ERA19.8.6.2	The system shall provide the capability for a user to select the order in which the result set is presented from a finite set of choices	1	D	Software	LM576
ERA19.8.7	The system shall provide the capability to rank the results of the search by relevance	ERA577	ERA19.8.7	The system shall provide the capability to rank the results of the search by relevance	2	D	Software	ERA577
ERA19.8.7	The system shall provide the capability to rank the results of the search by relevance	ERA577	ERA19.8.7.1	The system shall provide the capability to assign each result a relevancy score	2	D	Software	LM3152
ERA19.8.8	The system shall present the search results set at user-selectable levels of detail	ERA578	ERA19.8.8	The system shall present the search results set at user-selectable levels of detail	2	D	Software	ERA578
ERA19.8.8	The system shall present the search results set at user-selectable levels of detail	ERA578	ERA19.8.8.1	The system shall present the search results set at a default level of detail if no level has been selected by the user	1	D	Software	LM1330
ERA19.8.9	The system shall indicate different versions of a record included in the search result set	ERA579	ERA19.8.9	The system shall indicate different versions of a record included in the search result set	2	D	Software	ERA579
ERA19.9	The system shall provide the capability for a user to refine a search	ERA580	ERA19.9	The system shall provide the capability for a user to refine a search	2	D	Software	ERA580
ERA19.9.1	The system shall provide the capability to search within the result set returned by the initial search	ERA581	ERA19.9.1	The system shall provide the capability to search within the result set returned by the initial search	1	D	Software	ERA581
ERA19.9.1	The system shall provide the capability to search within the result set returned by the initial search	ERA581	ERA19.9.1.3	The system shall provide the capability to search within the result set returned by the preceding search	1	D	Software	LM581
ERA19.9.1.1	The system shall provide a "more like this" capability to refine a search for more assets similar to those returned by the search	ERA582	ERA19.9.1.1	The system shall provide a "more like this" capability to refine a search for more assets similar to those returned by the search	2	D	Software	ERA582
ERA19.9.1.1	The system shall provide a "more like this" capability to refine a search for more assets similar to those returned by the search	ERA582	ERA19.9.1.1.1	The system shall provide the capability to refine a search by looking for assets similar to those selected in a result set	2	D	Software	LM582
ERA19.9.1.2	The system shall provide the capability to refine a search using any search criteria available in the system	ERA583	ERA19.9.1.2	The system shall provide the capability to refine a search using any search criteria available in the system	1	D	Software	ERA583





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ERA19.9.2	The system shall provide the capability to stop a search in progress in order to refine the search	ERA584	ERA19.9.2	The system shall provide the capability to stop a search in progress in order to refine the search	1	D	Software	ERA584
ERA19.9.2	The system shall provide the capability to stop a search in progress in order to refine the search	ERA584	ERA19.9.2.1	The system shall provide the capability to refine a search once it has been stopped	1	D	Software	LM1331
ERA19.10	The system shall provide the capability for the user to select the assets they wish to access from among the search results set	ERA585	ERA19.10	The system shall provide the capability for the user to select the assets they wish to access from among the search results set	1	D	Software	ERA585
ERA19.11	The system shall provide the capability to save a search	ERA586	ERA19.11	The system shall provide the capability to save a search	2	D	Software	ERA586
ERA19.11	The system shall provide the capability to save a search	ERA586	ERA19.11.3	The system shall provide the capability for users to save the set of criteria that defines a search	2	D	Software	LM586
ERA19.11.1	The system shall provide the capability for the user to select a saved search from their saved searches	ERA587	ERA19.11.1	The system shall provide the capability for the user to select a saved search from their saved searches	2	D	Software	ERA587
ERA19.11.1	The system shall provide the capability for the user to select a saved search from their saved searches	ERA587	ERA19.11.1.1	The system shall provide the capability for users to select a saved search from a list of their saved searches	2	D	Software	LM587
ERA19.11.2	The system shall provide the capability to run saved searches	ERA588	ERA19.11.2	The system shall provide the capability to run saved searches	2	D	Software	ERA588
ERA19.12	The system shall provide the capability for users to store results sets over time	ERA589	ERA19.12	The system shall provide the capability for users to store results sets over time	2	D	Software	ERA589
ERA19.12.1	The system shall provide the capability to store search results	ERA590	ERA19.12.1	The system shall provide the capability to store search results	2	D	Software	ERA590
ERA19.12.2	The system shall provide the capability to save selected portions of results sets	ERA591	ERA19.12.2	The system shall provide the capability to save selected portions of results sets	2	D	Software	ERA591
ERA19.12.3	The system shall maintain a search results set for a specified period of time	ERA592	ERA19.12.3	The system shall maintain a search results set for a specified period of time	2	D	Software	ERA592
ERA19.13	The system shall manage mediated searches	ERA593	ERA19.13	The system shall manage mediated searches	2	D	Software	ERA593
ERA19.13.1	The system shall provide the capability to request a mediated search	ERA594	ERA19.13.1	The system shall provide the capability to request a mediated search	2	D	Software	ERA594
ERA19.13.2	The system shall provide the capability for mediated searchers to dialog with search requestors about their mediated search	ERA595	ERA19.13.2	The system shall provide the capability for mediated searchers to dialog with search requestors about their mediated search	2	D	Software	ERA595
ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	ERA19.13.3	The system shall provide the capability to manage mediated search request responses	2	D	Software	ERA596
ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	ERA19.13.3.1	The system shall provide the capability to capture a mediated search request response	2	D	Software	LM1332
ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	ERA19.13.3.2	The system shall provide the capability to retrieve a mediated search request response	2	D	Software	LM1333



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ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	ERA19.13.3.3	The system shall provide the capability to refine a mediated search request response	2	D	Software	LM1334
ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	ERA19.13.3.4	The system shall provide the capability to delete a mediated search request response	2	D	Software	LM1335
ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	ERA19.13.3.5	The system shall provide the capability to forward the results of a mediated search request to the requestor	2	D	Software	LM1393
ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA596	ERA19.13.3.6	The system shall provide the capability for a requestor to view the results of a mediated search	2	D	Software	LM1394
ERA19.13.4	The system shall provide the capability to prioritize mediated searches	ERA597	ERA19.13.4	The system shall provide the capability to prioritize mediated searches	2	D	Software	ERA597
ERA19.13.4	The system shall provide the capability to prioritize mediated searches	ERA597	ERA19.13.4.1	The system shall provide the capability to schedule a mediated search request	2	D	Software	LM1336
ERA19.13.4	The system shall provide the capability to prioritize mediated searches	ERA597	ERA19.13.4.2	The system shall provide the capability to set the prioritization of a mediated search request	2	D	Software	LM597
ERA20	The system shall provide access to the assets it contains	ERA598	ERA20	The system shall provide access to the assets it contains	1	D	Software	ERA598
ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	ERA20.1	The system shall provide the capability to electronically present all electronic record types	5	D	Software	ERA599
ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	ERA20.1.1	The system shall provide the capability for a user to select a presentation of a record from among available formats	2	D	Software	LM1360
ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	ERA20.1.1.2	The system shall provide the capability to transform a persistent format into a format for presentation	3	D	Software	LM1361
ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	ERA20.1.1.3	The system shall provide the capability to add support for new presentation formats	1	T	Software	LM1362
ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	ERA20.1.2	The system shall provide the capability to provide tools to the user to present records in selected formats	2	T	Software	LM1363
ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	ERA20.1.3	The system shall provide the capability to specify the hardware and software requirements to the user to present a record	1	D	Software	LM1364
ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	ERA20.1.4	The system shall provide the capability to present text	1	D	Software	LM1365
ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	ERA20.1.5	The system shall provide the capability to present still images	1	D	Software	LM1366
ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA599	ERA20.1.6	The system shall provide the capability to present digital audio	2	D	Software	LM1367



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ERA20 1	The system shall provide the capability to electronically present all electronic record types	ERA599	ERA20 1.7	The system shall provide the capability to present digital video	2	D	Software	LM1368
ERA20 1	The system shall provide the capability to electronically present all electronic record types	ERA599	ERA20 1 8	The system shall provide the capability to present line vector images	2	D	Software	LM1369
ERA20 1	The system shall provide the capability to electronically present all electronic record types	ERA599	ERA20 1 9	The system shall provide the capability to present structured data	2	D	Software	LM1370
ERA20 2	The system shall provide the capability for users to request copies of assets	ERA600	ERA20 2	The system shall provide the capability for users to request copies of assets	1	D	Software	ERA600
ERA20 2	The system shall provide the capability for users to request copies of assets	ERA600	ERA20 2.1	The system shall provide the capability for a user to create an order for copies of assets	2	D	Software	LM1342
ERA20 3	The system shall provide the capability to output copies of all assets	ERA601	ERA20 3	The system shall provide the capability to output copies of all assets	2	D	Software	ERA601
ERA20 3	The system shall provide the capability to output copies of all assets	ERA601	ERA20 3 3	The system shall be extensible to output assets based on additional digital adaptations	1	A	Software	LM3334
ERA20 3 1	The system shall provide the capability to output all assets to media	ERA602	ERA20 3.1	The system shall provide the capability to output all assets to media	2	D	Software	ERA602
ERA20 3.1 1	The system shall print address labels for media orders	ERA603	ERA20 3 1.1	The system shall print address labels for media orders	2	D	Software	ERA603
ERA20 3.1 2	The system shall print packing lists for media orders	ERA604	ERA20 3 1.2	The system shall print packing lists for media orders	2	D	Software	ERA604
ERA20 3.2	The system shall provide the capability to print all printable assets	ERA605	ERA20 3.2	The system shall provide the capability to print all printable assets	2	D	Software	ERA605
ERA20 3 2	The system shall provide the capability to print all printable assets	ERA605	ERA20 3.2.1	The system shall provide the capability to print assets identified by the system as printable	2	D	Software	LM605
ERA20 4	The system shall provide access to assets independently of the hardware with which they were created	ERA606	ERA20 4	The system shall provide access to assets independently of the hardware with which they were created	2	D	Software	ERA606
ERA20 4 1	The system shall provide the capability to output assets independently of the hardware with which they were created	ERA607	ERA20 4.1	The system shall provide the capability to output assets independently of the hardware with which they were created	1	D	Software	ERA607
ERA20 4 2	The system shall provide the capability to electronically present assets independently of the hardware with which they were created	ERA608	ERA20 4.2	The system shall provide the capability to electronically present assets independently of the hardware with which they were created	2	D	Software	ERA608
ERA20 4 2	The system shall provide the capability to electronically present assets independently of the hardware with which they were created	ERA608	ERA20 4.2 1	The system shall provide the capability to define device specifications necessary to electronically present a record in the format chosen by a user	1	D	Software	LM1343
ERA20 4 2	The system shall provide the capability to electronically present assets independently of the hardware with which they were created	ERA608	ERA20 4 2 2	The system shall provide the capability to electronically present assets, as required by the relevant preservation and service plan, independently of the hardware with which they were created	2	D	Software	LM608

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ERA20 5	The system shall provide access to assets independently of the software with which they were created	ERA609	ERA20.5	The system shall provide access to assets independently of the software with which they were created	3	D	Software	ERA609
ERA20 5.1	The system shall provide the capability to output assets independently of the software with which they were created	ERA610	ERA20.5.1	The system shall provide the capability to output assets independently of the software with which they were created	1	D	Software	ERA610
ERA20.5.2	The system shall provide the capability to electronically present assets independently of the software with which they were created	ERA611	ERA20 5.2	The system shall provide the capability to electronically present assets independently of the software with which they were created	2	D	Software	ERA611
ERA20 5.2	The system shall provide the capability to electronically present assets independently of the software with which they were created	ERA611	ERA20 5.2.1	The system shall provide the capability to present assets retained in persistent object formats	3	D	Software	LM1344
ERA20 5.2	The system shall provide the capability to electronically present assets independently of the software with which they were created	ERA611	ERA20.5.2.2	The system shall provide tools to the user to support electronic presentation of assets independently of the software with which they were created	3	D	Software	LM1345
ERA20.6	The system shall provide the capability to access an entire electronic record	ERA612	ERA20.6	The system shall provide the capability to access an entire electronic record	1	D	Software	ERA612
ERA20.7	The system shall provide the capability to access a set of electronic records	ERA613	ERA20.7	The system shall provide the capability to access a set of electronic records	1	D	Software	ERA613
ERA20.8	The system shall provide the capability to access a portion of an electronic record	ERA614	ERA20.8	The system shall provide the capability to access a portion of an electronic record	1	D	Software	ERA614
ERA20.9	The system shall provide the capability to access all digital components of an electronic record	ERA615	ERA20.9	The system shall provide the capability to access all digital components of an electronic record	1	D	Software	ERA615
ERA20.10	The system shall provide the capability to output assets in formats selected by the user from available choices	ERA616	ERA20.10	The system shall provide the capability to output assets in formats selected by the user from available choices	2	D	Software	ERA616
ERA20.10.1	The system shall provide the capability for users to select the output format of selected assets from among available formats	ERA617	ERA20 10.1	The system shall provide the capability for users to select the output format of selected assets from among available formats	2	D	Software	ERA617
ERA20.10.2	The system shall output certified copies of electronic records in formats selectable by the user from available choices	ERA618	ERA20.10.2	The system shall output certified copies of electronic records in formats selectable by the user from available choices	2	D	Software	ERA618
ERA20 10.2	The system shall output certified copies of electronic records in formats selectable by the user from available choices	ERA618	ERA20 10.2.1	The system shall provide the capability for a user to assess the authenticity of a record	2	D	Operations	LM1346
ERA20.10.2	The system shall output certified copies of electronic records in formats selectable by the user from available choices	ERA618	ERA20 10.2.1	The system shall assist in determining the authenticity of a copy of a record	2	D	Software	LM1347



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA20.10.2	The system shall output certified copies of electronic records in formats selectable by the user from available choices	ERA618	ERA20.10.2.2	The system shall provide the capability to apply a certificate of authenticity	2	D	Software	LM1348
ERA20.10.3	The system shall output certified copies of electronic records on media selectable by the user from available choices	ERA619	ERA20.10.3	The system shall output certified copies of electronic records on media selectable by the user from available choices	2	D	Software	ERA619
ERA20.10.4	The system shall provide the capability to output selected asset formats via telecommunications	ERA620	ERA20.10.4	The system shall provide the capability to output selected asset formats via telecommunications	1	D	Software	ERA620
ERA20.11	The system shall maintain the authenticity of an electronic record during access	ERA621	ERA20.11	The system shall maintain the authenticity of an electronic record during access	2	A	Software	ERA621
ERA20.11.1	The system shall maintain the authenticity of an electronic record during access	ERA622	ERA20.11.1	The system shall maintain the authenticity of an electronic record during access	2	D	Software	ERA622
ERA20.11.2	The system shall maintain electronic record specified behavior during access	ERA623	ERA20.11.2	The system shall maintain electronic record specified behavior during access	2	D	Software	ERA623
ERA20.11.3	The system shall maintain electronic record context during access	ERA624	ERA20.11.3	The system shall maintain electronic record context during access	2	D	Software	ERA624
ERA20.11.4	The system shall maintain electronic record structure during access	ERA625	ERA20.11.4	The system shall maintain electronic record structure during access	2	D	Software	ERA625
ERA20.11.5	The system shall maintain electronic record presentation during access	ERA626	ERA20.11.5	The system shall maintain electronic record presentation during access	2	D	Software	ERA626
ERA20.11.6	The system shall provide the capability to present digital components of electronic records individually	ERA627	ERA20.11.6	The system shall provide the capability to present digital components of electronic records individually	1	D	Software	ERA627
ERA20.11.7	The system shall provide the capability to output digital components of electronic records individually	ERA628	ERA20.11.7	The system shall provide the capability to output digital components of electronic records individually	1	D	Software	ERA628
ERA20.11.8	The system shall provide the capability to present electronic records composed of multiple digital components	ERA629	ERA20.11.8	The system shall provide the capability to present electronic records composed of multiple digital components	1	D	Software	ERA629
ERA20.11.9	The system shall provide the capability to output electronic records composed of multiple digital components	ERA630	ERA20.11.9	The system shall provide the capability to output electronic records composed of multiple digital components	1	D	Software	ERA630
ERA21	The system shall provide a user interface tailored to users' roles	ERA631	ERA21	The system shall provide a user interface tailored to users' roles	5	D	Software	ERA631
ERA21.1	The system shall provide default workbenches tailored to users' roles	ERA632	ERA21.1	The system shall provide default workbenches tailored to users' roles	1	D	Software	ERA632

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ERA21.1.1	The system shall display the appropriate default workbench based on a user's registration information	ERA633	ERA21.1.1	The system shall display the appropriate default workbench based on a user's registration information	1	D	Software	ERA633
ERA21.2	The system shall provide the capability for users to customize their workbenches	ERA634	ERA21.2	The system shall provide the capability for users to customize their workbenches	1	D	Software	ERA634
ERA21.2.1	The system shall provide the capability for users to customize their user workbench by adding tools to the default workbench	ERA635	ERA21.2.1	The system shall provide the capability for users to customize their user workbench by adding tools to the default workbench	1	D	Software	ERA635
ERA21.2.2	The system shall provide the capability for users to customize their user workbench by removing tools from the default workbench	ERA636	ERA21.2.2	The system shall provide the capability for users to customize their user workbench by removing tools from the default workbench	1	D	Software	ERA636
ERA21.2.3	The system shall provide the capability for users to customize the appearance of their workbench	ERA637	ERA21.2.3	The system shall provide the capability for users to customize the appearance of their workbench	1	D	Software	ERA637
ERA21.2.4	The system shall remember the most recent customization to a user's workbench as that user's default workbench	ERA638	ERA21.2.4	The system shall remember the most recent customization to a user's workbench as that user's default workbench	1	T	Software	ERA638
ERA21.3	The system shall provide the capability for users to select among available workbenches	ERA639	ERA21.3	The system shall provide the capability for users to select among available workbenches	1	D	Software	ERA639
ERA21.4	The system shall maintain workbenches configuration across user sessions	ERA640	ERA21.4	The system shall maintain workbench configuration across user sessions	1	T	Software	ERA640
ERA21.5	The system shall provide the capability for configurable user interfaces	ERA641	ERA21.1.2	The system shall provide the capability to create default workbenches	1	D	Software	LM1085
ERA21.5	The system shall provide the capability for configurable user interfaces	ERA641	ERA21.1.3	The system shall provide the capability to modify default workbenches	1	D	Software	LM1086
ERA21.5	The system shall provide the capability for configurable user interfaces	ERA641	ERA21.1.4	The system shall provide the capability to delete default workbenches	1	D	Software	LM1087
ERA21.5	The system shall provide the capability for configurable user interfaces	ERA641	ERA21.5	The system shall provide the capability for configurable user interfaces	1	D	Software	ERA641
ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	1	A	Software	ERA642
ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	ERA21.6.1	The system shall provide the capability to present the user interface in English (North American)	1	D	Software	LM1088
ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	ERA21.6.2	The system shall provide the capability to present the user interface in foreign languages that are read left to right, top to bottom, and composed of characters	3	D	Software	LM1089



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LM Unique ID
ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	ERA21.6.3	The system shall provide the capability to present the user interface in foreign languages that are read left to right, bottom to top, and composed of characters	5	D	Software	LM3154
ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	ERA21.6.4	The system shall provide the capability to present the user interface in foreign languages that are read right to left, top to bottom, and composed of characters	5	D	Software	LM3155
ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	ERA21.6.5	The system shall provide the capability to present the user interface in foreign languages that are read right to left, bottom to top, and composed of characters	5	D	Software	LM3156
ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA642	ERA21.6.6	The system shall provide the capability to present the user interface in foreign languages that are composed of ideographs	5	D	Software	LM3157
ERA21.7	The system shall provide a user interface capable of electronically presenting all supported types of electronic records	ERA643	ERA21.7	The system shall provide a user interface capable of electronically presenting all supported types of electronic records	1	D	Software	ERA643
ERA21.8	The system shall accept input of information by users	ERA644	ERA21.8	The system shall accept input of information by users	1	D	Software	ERA644
ERA21.8.1	The system shall check information entered by users	ERA645	ERA21.8.1	The system shall check information entered by users	1	T	Software	ERA645
ERA21.8.1	The system shall check information entered by users	ERA645	ERA21.8.1.1	The system shall validate information entered by users for data type	1	T	Software	LM1090
ERA21.8.1	The system shall check information entered by users	ERA645	ERA21.8.1.2	The system shall validate information entered by users for data ranges	1	T	Software	LM1091
ERA21.8.1	The system shall check information entered by users	ERA645	ERA21.8.1.3	The system shall validate information entered by users against pre-defined constraints	1	T	Software	LM3175
ERA22	The system shall provide the capability for user registration	ERA646	ERA22	The system shall provide the capability for user registration	1	D	Software	ERA646
ERA22.1	The system shall provide the capability to register users	ERA647	ERA22.1	The system shall provide the capability to register users	1	D	Software	ERA647
ERA22.1.1	The system shall register user types	ERA648	ERA22.1.1	The system shall register user types	1	T	Software	ERA648
ERA22.1.2	The system shall associate registered users with user groups	ERA649	ERA22.1.2	The system shall associate registered users with user groups	1	T	Software	ERA649
ERA22.1.3	The system shall establish a user account for each registered user	ERA650	ERA22.1.3	The system shall establish a user account for each registered user	1	T	Software	ERA650
ERA22.2	The system shall collect information from the user during registration	ERA651	ERA22.2	The system shall collect information from the user during registration	1	D	Software	ERA651



RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA22 2	The system shall collect information from the user during registration	ERA651	ERA22 2 9	The system shall provide the capability to verify user supplied information before granting access privileges	1	T	Operations	LM1155
ERA22 2 1	The system shall collect name from the user during registration	ERA652	ERA22 2 1	The system shall collect name from the user during registration	1	D	Software	ERA652
ERA22 2 2	The system shall collect contact information from the user during registration	ERA653	ERA22 2 2	The system shall collect contact information from the user during registration	1	D	Software	ERA653
ERA22 2 3	The system shall collect security clearance information from the user during registration	ERA654	ERA22 2 3	The system shall collect security clearance information from the user during registration	2	D	Software	ERA654
ERA22 2 4	The system shall collect information on whether the user is a stakeholder in an equity holder from the user during registration	ERA655	ERA22 2 4	The system shall collect information on whether the user is a stakeholder in an equity holder from the user during registration	1	D	Software	ERA655
ERA22 2 5	The system shall collect job role information from the user during registration	ERA656	ERA22 2 5	The system shall collect job role information from the user during registration	1	D	Software	ERA656
ERA22 2 6	The system shall collect proof of identity information from the user during registration	ERA657	ERA22 2 6	The system shall collect proof of identity information from the user during registration	1	D	Software	ERA657
ERA22 2 6	The system shall collect proof of identity information from the user during registration	ERA657	ERA22 2 6 1	The system shall indicate when a user needs to be physically present to provide proof of identity information	1	D	Software	LM1153
ERA22 2 6	The system shall collect proof of identity information from the user during registration	ERA657	ERA22 2 6 2	The system shall indicate when a user can supply proof of identity information without being physically present	1	D	Software	LM1154
ERA22 2 7	The system shall collect information identifying the individual being registered as a transferring entity during registration	ERA658	ERA22 2 7	The system shall collect information identifying the individual being registered as a transferring entity during registration	1	D	Software	ERA658
ERA22 2 7	The system shall collect information identifying the individual being registered as a transferring entity during registration	ERA658	ERA22 2 7 1	The system shall collect information identifying the individual being registered as a representative of a transferring entity during registration	1	D	Software	LM658
ERA22 2 8	The system shall provide the capability for NARA users to determine what information is collected during registration	ERA659	ERA22 2 8	The system shall provide the capability for NARA users to determine what information is collected during registration	1	D	Software	ERA659
ERA22 3	The system shall manage user accounts	ERA660	ERA22 3	The system shall manage user accounts	1	D	Software	ERA660
ERA22 3 1	The system shall provide the capability to create user accounts	ERA661	ERA22 3 1	The system shall provide the capability to create user accounts	1	D	Software	ERA661
ERA22 3 1 1	The system shall provide the capability to create user accounts automatically	ERA662	ERA22 3 1 1	The system shall provide the capability to create user accounts automatically	1	D	Software	ERA662
ERA22 3 2	The system shall provide the capability to access user accounts	ERA663	ERA22 3 2	The system shall provide the capability to access user accounts	1	D	Software	ERA663
ERA22 3 3	The system shall provide the capability to update user accounts	ERA664	ERA22 3 3	The system shall provide the capability to update user accounts	1	D	Software	ERA664



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ERA22.3.4	The system shall provide the capability to delete user accounts	ERA665	ERA22.3.4	The system shall provide the capability to delete user accounts	1	D	Software	ERA665
ERA22.3.5	The system shall provide the capability to suspend user accounts	ERA666	ERA22.3.5	The system shall provide the capability to suspend user accounts	1	D	Software	ERA666
ERA22.3.6	The system shall provide the capability to reactivate suspended user accounts	ERA667	ERA22.3.6	The system shall provide the capability to reactivate suspended user accounts	1	D	Software	ERA667
ERA22.3.7	The system shall provide the capability for the renewal of user registrations	ERA668	ERA22.3.7	The system shall provide the capability for the renewal of user registrations	1	D	Software	ERA668
ERA22.3.8	The system shall expire user accounts	ERA669	ERA22.3.8	The system shall expire user accounts	1	D	Software	ERA669
ERA22.3.9	The system shall provide the capability for users to cancel their accounts	ERA670	ERA22.3.9	The system shall provide the capability for users to cancel their accounts	1	D	Software	ERA670
ERA22.3.10	The system shall provide the capability for users to update their account information	ERA671	ERA22.3.10	The system shall provide the capability for users to update their account information	1	D	Software	ERA671
ERA22.3.10	The system shall provide the capability for users to update their account information	ERA671	ERA22.3.10.1	The system shall provide the capability for users to request updates for those attributes of their account information that do require verification	1	D	Software	LM1156
ERA22.3.10	The system shall provide the capability for users to update their account information	ERA671	ERA22.3.10.2	The system shall provide the capability for users to update those attributes of their account information that do not require verification	1	D	Software	LM671
ERA23	The system shall provide user assistance	ERA672	ERA23	The system shall provide user assistance	4	D	Software	ERA672
ERA23.1	The system shall manage user assistance	ERA673	ERA23.1	The system shall manage user assistance	1	D	Software	ERA673
ERA23.1.1	The system shall provide the capability to create user assistance functions	ERA674	ERA23.1.1	The system shall provide the capability to create user assistance functions	1	D	Software	ERA674
ERA23.1.2	The system shall provide the capability to access user assistance functions	ERA675	ERA23.1.2	The system shall provide the capability to access user assistance functions	1	D	Software	ERA675
ERA23.1.3	The system shall provide the capability to update user assistance functions	ERA676	ERA23.1.3	The system shall provide the capability to update user assistance functions	1	D	Software	ERA676
ERA23.1.4	The system shall provide the capability to delete user assistance functions	ERA677	ERA23.1.4	The system shall provide the capability to delete user assistance functions	1	D	Software	ERA677
ERA23.2	The system shall provide help screens	ERA678	ERA23.2	The system shall provide help screens	1	D	Software	ERA678
ERA23.2	The system shall provide help screens	ERA678	ERA23.2.1	The system shall provide the capability for field explanation assistance	1	D	Software	LM1157
ERA23.2	The system shall provide help screens	ERA678	ERA23.2.2	The system shall provide the capability for glossary assistance	1	D	Software	LM1158
ERA23.2	The system shall provide help screens	ERA678	ERA23.2.3	The system shall provide the capability to display Frequently Asked Questions	1	D	Software	LM1159
ERA23.2	The system shall provide help screens	ERA678	ERA23.2.4	The system shall provide help desk contact information	1	D	Software	LM1160
ERA23.2	The system shall provide help screens	ERA678	ERA23.2.5	The system shall provide the capability for searching tips	1	D	Software	LM1161



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ERA23 3	The system shall provide help desk support functions	ERA679	ERA23.3	The system shall provide help desk support functions	2	D	Software	ERA679
ERA23 3	The system shall provide help desk support functions	ERA679	ERA23 3 1	The system shall provide the capability to interface with the NARA Help Desk to receive a ticket according to the Interface Requirements Specification	2	D	Software	LM1162
ERA23.3	The system shall provide help desk support functions	ERA679	ERA23 3 2	The system shall provide the capability to escalate a ticket between the ERA Help Desk tiers	2	D	Software	LM1163
ERA23 3	The system shall provide help desk support functions	ERA679	ERA23.3.3	The system shall provide the capability to track ticket escalations	2	D	Software	LM1164
ERA23 3	The system shall provide help desk support functions	ERA679	ERA23 3.4	The system shall provide the capability to open a ticket	1	D	Software	LM1165
ERA23 3	The system shall provide help desk support functions	ERA679	ERA23.3.5	The system shall provide the capability to close a ticket	1	D	Software	LM1166
ERA23 3	The system shall provide help desk support functions	ERA679	ERA23.3.6	The system shall provide the capability to update a ticket	1	D	Software	LM1167
ERA23 3	The system shall provide help desk support functions	ERA679	ERA23 3.7	The system shall provide the capability to notify the user of changes to the ticket status	1	D	Software	LM1168
ERA23 3	The system shall provide help desk support functions	ERA679	ERA23.3.8	The system shall provide the capability to notify the NARA Help Desk of changes to the ticket status	2	D	Software	LM1169
ERA23 3	The system shall provide help desk support functions	ERA679	ERA23 3 9	The system shall provide the capability to display a ticket	1	D	Software	LM1170
ERA23 3	The system shall provide help desk support functions	ERA679	ERA23.3.10	The system shall provide the capability for users to create a Help Desk Request that will be routed to the Help Desk	2	D	Software	LM1171
ERA23.3	The system shall provide help desk support functions	ERA679	ERA23 3 11	The system shall provide the capability to report on help desk requests	1	D	Software	LM1172
ERA23 4	The system shall provide the capability for user training	ERA680	ERA23 4	The system shall provide the capability for user training	4	D	Software	ERA680
ERA23 4.1	The system shall provide the capability for simulated user sessions	ERA681	ERA23 4 1	The system shall provide the capability for simulated user sessions	4	D	Software	ERA681
ERA23 4.1	The system shall provide the capability for simulated user sessions	ERA681	ERA23 4.1 1	The system shall provide the capability for adaptive simulated user training sessions for deployed ERA functions	4	D	Software	LM681
ERA23 4 2	The system shall provide the capability for simulated administrator sessions	ERA682	ERA23 4 2	The system shall provide the capability for simulated administrator sessions	4	D	Software	ERA682
ERA23 4 2	The system shall provide the capability for simulated administrator sessions	ERA682	ERA23 4 2 1	The system shall provide the capability for Administrative Users to view adaptive simulated administrator training sessions for deployed functions of ERA	4	D	Software	LM682

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ERA23 5	The system shall provide the capability to link to NARA resources from within ERA	ERA683	ERA23 5	The system shall provide the capability to link to NARA resources from within ERA	2	D	Software	ERA683
ERA23 6	The system shall provide the capability to define specific user assistance products to specific groups of users	ERA684	ERA23 6	The system shall provide the capability to define specific user assistance products to specific groups of users	2	D	Software	ERA684
ERA23 7	The system shall provide the capability to guide users through the steps of an ERA process step-by-step	ERA685	ERA23 7	The system shall provide the capability to guide users through the steps of an ERA process step-by-step	1	D	Software	ERA685
ERA23 7	The system shall provide the capability to guide users through the steps of an ERA process step-by-step	ERA685	ERA23 7 1	The system shall provide the capability to display textual information to guide users through the steps involved in performing ERA processes	1	D	Software	LM685
ERA23 8	The system shall provide the capability for users to initiate a message to NARA staff member(s) requesting assistance	ERA686	ERA23 8	The system shall provide the capability for users to initiate a message to NARA staff member(s) requesting assistance	1	D	Software	ERA686
ERA24	The system shall provide the capability for communications with users	ERA687	ERA24	The system shall provide the capability for communications with users	2	D	Software	ERA687
ERA24 1	The system shall manage communications	ERA688	ERA24 1	The system shall manage communications	1	D	Software	ERA688
ERA24 1.1	The system shall provide the capability to receive communications	ERA689	ERA24 1 1	The system shall provide the capability to receive communications	1	T	Software	ERA689
ERA24 1 2	The system shall provide the capability to track communications	ERA690	ERA24 1 2	The system shall provide the capability to track communications	1	T	Software	ERA690
ERA24 1.3	The system shall provide the capability to categorize communications	ERA691	ERA24 1 3	The system shall provide the capability to categorize communications	2	D	Software	ERA691
ERA24 1.4	The system shall provide the capability to respond to communications	ERA692	ERA24 1.4	The system shall provide the capability to respond to communications	2	T	Software	ERA692
ERA24 1 5	The system shall provide the capability to prioritize communications	ERA693	ERA24 1 5	The system shall provide the capability to prioritize communications	2	T	Software	ERA693
ERA24 2	The system shall provide the capability for dialoguing between NARA and users	ERA694	ERA24 2	The system shall provide the capability for dialoguing between NARA and users	2	D	Software	ERA694
ERA24 2	The system shall provide the capability for dialoguing between NARA and users	ERA694	ERA24 2 1	The system shall provide the capability to create team collaboration spaces	2	D	Software	LM1092
ERA24 2	The system shall provide the capability for dialoguing between NARA and users	ERA694	ERA24 2 2	The system shall provide the capability to modify team collaboration spaces	2	D	Software	LM1093
ERA24 2	The system shall provide the capability for dialoguing between NARA and users	ERA694	ERA24 2.3	The system shall provide the capability to delete team collaboration spaces	2	D	Software	LM1094
ERA24 2	The system shall provide the capability for dialoguing between NARA and users	ERA694	ERA24 2 4	The system shall provide the capability to control access to team collaboration spaces	2	T	Software	LM1095
ERA24 2	The system shall provide the capability for dialoguing between NARA and users	ERA694	ERA24 2 5	The system shall provide the capability to limit the total storage allocated to a team collaboration space	2	T	Software	LM3195

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ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.6	The system shall provide the capability to persistently store collaboration objects	2	D	Software	LM1096
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.7	The system shall provide the capability to edit persistently stored collaboration objects	2	D	Software	LM1097
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.8	The system shall provide the capability to control versions of persistently stored objects	2	D	Software	LM1098
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.9	The system shall provide the capability for persistently stored collaboration objects to be addressed using Uniform Resource Identifier links	2	D	Software	LM1099
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.10	The system shall provide the capability for users to modify the status of persistently stored collaboration objects	2	D	Software	LM1100
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.11	The system shall provide the capability to add entries to a contact registry	2	D	Software	LM1101
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.12	The system shall provide the capability to modify entries in a contact registry	2	D	Software	LM1102
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.13	The system shall provide the capability to delete users from a contact registry	2	D	Software	LM1103
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.14	The system shall provide the capability for threaded discussions	2	D	Software	LM1104
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.15	The system shall provide the capability for a calendar	2	D	Software	LM1105
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.16	The system shall provide the capability to post events to a calendar	2	D	Software	LM1106
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.17	The system shall provide the capability to update a calendar event	2	D	Software	LM1107
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.18	The system shall provide the capability to delete events from a calendar	2	D	Software	LM1108
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.19	The system shall provide the capability to control access to a calendar	2	D	Software	LM1109
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.20	The system shall provide the capability to post a message to a Bulletin Board	2	D	Software	LM1110
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.21	The system shall provide the capability to subscribe to a Bulletin Board	2	D	Software	LM1111
ERA24.2	The system shall provide the capability for dialoging between NARA and users	ERA694	ERA24.2.22	The system shall provide the capability to unsubscribe to a Bulletin Board	2	D	Software	LM1112
ERA24.3	The system shall notify users of system events	ERA695	ERA24.3	The system shall notify users of system events	1	D	Software	ERA695
ERA24.3.1	The system shall provide the capability to notify users about scheduled system maintenance	ERA696	ERA24.3.1	The system shall provide the capability to notify users about scheduled system maintenance	1	D	Software	ERA696





RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA24.3.2	The system shall provide the capability to notify users about delayed response time	ERA697	ERA24.3.2	The system shall provide the capability to notify users about delayed response time	1	D	Software	ERA697
ERA24.3.3	The system shall notify users when system services are affected by system events	ERA698	ERA24.3.3	The system shall notify users when system services are affected by system events	1	D	Software	ERA698
ERA24.3.4	The system shall notify users when system resources are affected by system events	ERA699	ERA24.3.4	The system shall notify users when system resources are affected by system events	1	D	Software	ERA699
ERA24.4	The system shall provide the capability to generate notices for other systems	ERA700	ERA24.4	The system shall provide the capability to generate notices for other systems	1	D	Software	ERA700
ERA24.4	The system shall provide the capability to generate notices for other systems	ERA700	ERA24.4.1	The system shall provide the capability to generate notices for other systems according to the Interface Requirements Specification	1	D	Software	LM700
ERA24.5	The system shall generate notices to users	ERA701	ERA24.5	The system shall generate notices to users	1	D	Software	ERA701
ERA24.5.1	The system shall provide the capability to notify a transferring entity of the results of system events	ERA702	ERA24.5.1	The system shall provide the capability to notify a transferring entity of the results of system events	1	D	Software	ERA702
ERA24.5.2	The system shall provide the capability to notify a list of users regarding system events	ERA703	ERA24.5.2	The system shall provide the capability to notify a list of users regarding system events	1	D	Software	ERA703
ERA24.5.3	The system shall provide the capability to notify users about the progress of system events	ERA704	ERA24.5.3	The system shall provide the capability to notify users about the progress of system events	1	D	Software	ERA704
ERA24.5.4	The system shall provide the capability to notify users when they have been denied access to assets	ERA705	ERA24.5.4	The system shall provide the capability to notify users when they have been denied access to assets	1	D	Software	ERA705
ERA24.5.5	The system shall provide the capability to notify users of upcoming events	ERA706	ERA24.5.5	The system shall provide the capability to notify users of upcoming events	1	D	Software	ERA706
ERA24.6	The system shall provide the ability for users to manage notices	ERA707	ERA24.6	The system shall provide the ability for users to manage notices	1	D	Software	ERA707
ERA24.6.1	The system shall provide the capability to manage standard language notices	ERA708	ERA24.6.1	The system shall provide the capability to manage standard language notices	1	D	Software	ERA708
ERA24.6.2	The system shall provide the capability to manage ad hoc notices	ERA709	ERA24.6.2	The system shall provide the capability to manage ad hoc notices	1	D	Software	ERA709
ERA24.6.3	The system shall provide the capability for users to create notices	ERA710	ERA24.6.3	The system shall provide the capability for users to create notices	1	D	Software	ERA710
ERA24.6.4	The system shall provide the capability for users to save notices	ERA711	ERA24.6.4	The system shall provide the capability for users to save notices	1	D	Software	ERA711
ERA24.6.5	The system shall provide the capability for users to edit notices	ERA712	ERA24.6.5	The system shall provide the capability for users to edit notices	1	D	Software	ERA712
ERA24.6.6	The system shall provide the capability for users to delete notices	ERA713	ERA24.6.6	The system shall provide the capability for users to delete notices	1	D	Software	ERA713
ERA24.6.7	The system shall provide the capability for users to specify recipients of notices	ERA714	ERA24.6.7	The system shall provide the capability for users to specify recipients of notices	1	D	Software	ERA714

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ERA24.6.8	The system shall provide the capability for users to send notices	ERA715	ERA24.6.8	The system shall provide the capability for users to send notices	1	T	Software	ERA715
ERA25	The system shall maintain an event log	ERA716	ERA25	The system shall maintain an event log	1	D	Software	ERA716
ERA25 1	The system shall provide the capability to log all system events	ERA717	ERA25.1	The system shall provide the capability to log all system events	1	T	Software	ERA717
ERA25 2	The system shall provide the capability for NARA to select which information to log in the event log	ERA718	ERA25 2	The system shall provide the capability for NARA to select which information to log in the event log	1	T	Software	ERA718
ERA25.3	The system shall provide the capability for NARA to define categories of event log information	ERA719	ERA25.3	The system shall provide the capability for NARA to define categories of event log information	2	T	Software	ERA719
ERA25 3	The system shall provide the capability for NARA to define categories of event log information	ERA719	ERA25.3.1	The system shall provide the capability to define categories of COTS event log information	2	T	Software	LM1173
ERA25 3	The system shall provide the capability for NARA to define categories of event log information	ERA719	ERA25.3.2	The system shall provide the capability to define categories of event log information for ERA services	2	T	Software	LM1174
ERA25 4	The system shall provide the capability for NARA to define the retention period for categories of event log information	ERA720	ERA25.4	The system shall provide the capability for NARA to define the retention period for categories of event log information	2	T	Software	ERA720
ERA25 4	The system shall provide the capability for NARA to define the retention period for categories of event log information	ERA720	ERA25 4.2	The system shall provide the capability to delete event log information by categories according to retention period	2	T	Software	LM1175
ERA25 4.1	The system shall provide the capability to archive event log information	ERA721	ERA25.4.1	The system shall provide the capability to archive event log information	1	T	Software	ERA721
ERA25.5	The system shall make event log information available upon request	ERA722	ERA25 5	The system shall make event log information available upon request	1	D	Software	ERA722
ERA25.5 1	The system shall be capable of providing event log information for specific electronic records	ERA723	ERA25.5 1	The system shall be capable of providing event log information for specific electronic records	1	D	Software	ERA723
ERA25 6	The system shall provide the capability to completely expunge event log information	ERA724	ERA25 6	The system shall provide the capability to completely expunge event log information	1	T	Software	ERA724
ERA25.6 1	The system shall provide the capability to completely expunge event log information pertaining to an individual electronic record from the event log	ERA725	ERA25 6 1	The system shall provide the capability to completely expunge event log information pertaining to an individual electronic record from the event log	1	T	Software	ERA725
ERA25 6.2	The system shall provide the capability to completely expunge event log information pertaining to sets of electronic records from the event log	ERA726	ERA25 6 2	The system shall provide the capability to completely expunge event log information pertaining to sets of electronic records from the event log	1	T	Software	ERA726
ERA25 7	The system shall manage the electronic records created by itself	ERA727	ERA25 7	The system shall manage the electronic records created by itself	1	I	Software	ERA727

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ERA25.7.1	The system shall provide the capability to maintain records related to any records lifecycle transaction	ERA728	ERA25.7.1	The system shall provide the capability to maintain records related to any records lifecycle transaction	1	I	Software	ERA728
ERA26	The system shall provide reporting capability	ERA729	ERA26	The system shall provide reporting capability	2	D	Software	ERA729
ERA26.1	The system shall provide the capability to manage reports	ERA730	ERA26.1	The system shall provide the capability to manage reports	2	D	Software	ERA730
ERA26.1.1	The system shall provide the capability to create reports	ERA731	ERA26.1.1	The system shall provide the capability to create reports	1	D	Software	ERA731
ERA26.1.1	The system shall provide the capability to create reports	ERA731	ERA26.1.1.2	The system shall provide the capability to create ad hoc reports	2	D	Software	LM1176
ERA26.1.1.1	The system shall provide the capability to automatically create routine reports	ERA732	ERA26.1.1.1	The system shall provide the capability to automatically create routine reports	1	D	Software	ERA732
ERA26.1.2	The system shall provide the capability to modify reports	ERA733	ERA26.1.2	The system shall provide the capability to modify reports	2	D	Software	ERA733
ERA26.1.2	The system shall provide the capability to modify reports	ERA733	ERA26.1.2.1	The system shall provide the capability for users to modify ad hoc reports	2	D	Software	LM1177
ERA26.1.2	The system shall provide the capability to modify reports	ERA733	ERA26.1.2.2	The system shall provide the capability for authorized users to modify routine reports	1	D	Software	LM1178
ERA26.1.3	The system shall provide the capability to save reports	ERA734	ERA26.1.3	The system shall provide the capability to save reports	1	D	Software	ERA734
ERA26.1.3.1	The system shall provide the capability to save a report to a file	ERA735	ERA26.1.3.1	The system shall provide the capability to save a report to a file	1	D	Software	ERA735
ERA26.1.4	The system shall provide the capability to delete reports	ERA736	ERA26.1.4	The system shall provide the capability to delete reports	1	D	Software	ERA736
ERA26.1.5	The system shall provide the capability to display reports	ERA737	ERA26.1.5	The system shall provide the capability to display reports	1	D	Software	ERA737
ERA26.1.6	The system shall provide the capability to print reports	ERA738	ERA26.1.6	The system shall provide the capability to print reports	1	D	Software	ERA738
ERA26.2	The system shall provide the capability to select reports	ERA739	ERA26.2	The system shall provide the capability to select reports	2	D	Software	ERA739
ERA26.2	The system shall provide the capability to select reports	ERA739	ERA26.2.1	The system shall provide the capability to select routine reports	1	D	Software	LM1180
ERA26.2	The system shall provide the capability to select reports	ERA739	ERA26.2.2	The system shall provide the capability to select saved ad hoc reports	2	D	Software	LM1181
ERA26.3	The system shall provide the capability to select report contents	ERA740	ERA26.3	The system shall provide the capability to select report contents	2	D	Software	ERA740
ERA26.3.1	The system shall provide the capability to include any log event in a report	ERA741	ERA26.3.1	The system shall provide the capability to include any log event in a report	2	D	Software	ERA741
ERA26.3.2	The system shall provide the capability to include the results of any system service in a report	ERA742	ERA26.3.2	The system shall provide the capability to include the results of any system service in a report	2	T	Software	ERA742

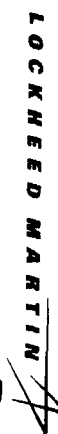


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RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA26.3.3	The system shall provide the capability to include electronic records in a report	ERA743	ERA26.3.3	The system shall provide the capability to include electronic records in a report	2	D	Software	ERA743
ERA26.3.3	The system shall provide the capability to include electronic records in a report	ERA743	ERA26.3.3.1	The system shall provide the capability for a user to attach an electronic record file to a report	2	D	Software	LM1182
ERA26.3.3	The system shall provide the capability to include electronic records in a report	ERA743	ERA26.3.3.2	The system shall provide the capability for a user to insert text from an electronic record into a predefined text report	2	D	Software	LM1183
ERA26.3.3	The system shall provide the capability to include electronic records in a report	ERA743	ERA26.3.3.3	The system shall provide the capability for a user to insert graphics from an electronic record into a report	2	D	Software	LM1184
ERA26.3.3	The system shall provide the capability to include electronic records in a report	ERA743	ERA26.3.3.4	The system shall provide the capability for a user to insert references to assets into a report	2	D	Software	LM3177
ERA26.3.4	The system shall provide the capability to combine report contents	ERA744	ERA26.3.4	The system shall provide the capability to combine report contents	2	D	Software	ERA744
ERA26.3.5	The system shall provide the capability to customize report formats	ERA745	ERA26.3.5	The system shall provide the capability to customize report formats	2	T	Software	ERA745
ERA26.3.5	The system shall provide the capability to customize report formats	ERA745	ERA26.3.5.1	The system shall provide the capability for users to customize ad hoc report formats	2	T	Software	LM1185
ERA26.3.5	The system shall provide the capability to customize report formats	ERA745	ERA26.3.5.2	The system shall provide the capability for authorized users to customize routine report formats	1	T	Software	LM1186
ERA26.3.6	The system shall provide the capability to graphically represent report results	ERA746	ERA26.3.6	The system shall provide the capability to graphically represent report results	2	D	Software	ERA746
ERA26.3.6	The system shall provide the capability to graphically represent report results	ERA746	ERA26.3.6.1	The system shall provide the capability to graphically represent numerically based report results	2	D	Software	LM746
ERA26.3.7	The system shall provide the capability to present report results in tables	ERA747	ERA26.3.7	The system shall provide the capability to present report results in tables	2	D	Software	ERA747
ERA26.4	The system shall provide the capability to output report results	ERA748	ERA26.4	The system shall provide the capability to output report results	2	D	Software	ERA748
ERA26.4.1	The system shall provide the capability to output reports to media	ERA749	ERA26.4.1	The system shall provide the capability to output reports to media	1	D	Software	ERA749
ERA26.4.1	The system shall provide the capability to output reports to media	ERA749	ERA26.4.1.1	The system shall provide the capability to output reports to approved media types	1	D	Software	LM749
ERA26.4.2	The system shall provide the capability to present reports via the user interface	ERA750	ERA26.4.2	The system shall provide the capability to present reports via the user interface	1	D	Software	ERA750
ERA26.4.3	The system shall provide the capability to output reports to other systems	ERA751	ERA26.4.3	The system shall provide the capability to output reports to other systems	2	D	Software	ERA751

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RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA26 4.3	The system shall provide the capability to output reports to other systems	ERA751	ERA26.4.3.1	The system shall provide the capability to output report files to other systems in accordance with the the Interface Requirements Specification	2	D	Software	LM751
ERA26.5	The system shall provide the capability to make reports available to other users	ERA752	ERA26.5	The system shall provide the capability to make reports available to other users	2	D	Software	ERA752
ERA26.5	The system shall provide the capability to make reports available to other users	ERA752	ERA26.5.1	The system shall provide the capability to allow users to share ad hoc report definitions	2	D	Software	LM752
ERA27	The system shall provide systems administration capabilities	ERA753	ERA27	The system shall provide systems administration capabilities	4	I	Software	ERA753
ERA27.1	The system shall provide tools to support system level testing	ERA754	ERA27.1	The system shall provide tools to support system level testing	1	I	Software	ERA754
ERA27.1.1	The system shall provide the capability to designate test data	ERA755	ERA27.1.1	The system shall provide the capability to designate test data	1	I	Software	ERA755
ERA27.1.2	The system shall provide the capability for complete deletion of test data from the system without affecting other data	ERA756	ERA27.1.2	The system shall provide the capability for complete deletion of test data from the system without affecting other data	1	T	Software	ERA756
ERA27.1.3	The system shall provide the capability to track designated test data throughout the system	ERA757	ERA27.1.3	The system shall provide the capability to track designated test data throughout the system	1	T	Software	ERA757
ERA27.1.4	The system shall provide the capability to completely delete system artifacts resulting from testing from the system without affecting other data	ERA758	ERA27.1.4	The system shall provide the capability to completely delete system artifacts resulting from testing from the system without affecting other data	1	T	Software	ERA758
ERA27.1.5	The system shall provide the capability for monitoring during testing	ERA759	ERA27.1.5	The system shall provide the capability for monitoring during testing	1	I	Software	ERA759
ERA27.2	The system shall manage system failures	ERA760	ERA27.2	The system shall manage system failures	2	T	Software	ERA760
ERA27.2.1	The system shall identify failures	ERA761	ERA27.2.1	The system shall identify failures	1	T	Software	ERA761
ERA27.2.1	The system shall identify failures	ERA761	ERA27.2.1.1	The system shall provide the capability to automatically monitor system components to gather system health information	1	T	Software	LM1187
ERA27.2.1	The system shall identify failures	ERA761	ERA27.2.1.2	The system shall provide the capability to display performance and operational conditions that are outside of tolerance thresholds	1	T	Software	LM1188
ERA27.2.1	The system shall identify failures	ERA761	ERA27.2.1.3	The system shall provide the capability to create notices when it detects conditions outside of tolerance thresholds	1	T	Software	LM1189
ERA27.2.2	The system shall isolate failures	ERA762	ERA27.2.2	The system shall isolate failures	2	T	Software	ERA762
ERA27.2.2	The system shall isolate failures	ERA762	ERA27.2.2.1	The system shall isolate failures to a site	2	T	Software	LM1190
ERA27.2.2	The system shall isolate failures	ERA762	ERA27.2.2.2	The system shall isolate failures to an instance	2	T	Software	LM1191
ERA27.2.2	The system shall isolate failures	ERA762	ERA27.2.2.3	The system shall isolate failures to hardware	1	T	Software	LM1192
ERA27.2.2	The system shall isolate failures	ERA762	ERA27.2.2.4	The system shall isolate failures to software	1	T	Software	LM1193

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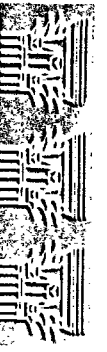
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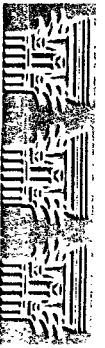
RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA27 2 2	The system shall isolate failures	ERA762	ERA27 2.2.5	The system shall isolate failures to power providers	1	T	Software	LM1194
ERA27 2.2	The system shall isolate failures	ERA762	ERA27 2.2.6	The system shall provide the capability to perform remote maintenance tasks on individual components	1	T	Software	LM1195
ERA27 2 2	The system shall isolate failures	ERA762	ERA27 2.2.7	The system shall isolate failures to telecommunication providers	1	T	Software	LM3765
ERA27 2 3	The system shall resolve failures	ERA763	ERA27 2.3	The system shall resolve failures	1	T	Software	ERA763
ERA27 2.3	The system shall resolve failures	ERA763	ERA27 2.3.1	The system shall provide the capability for users to perform remote trace steps	1	T	Software	LM1196
ERA27 2 3	The system shall resolve failures	ERA763	ERA27 2.3.2	The system shall provide the capability for users to remotely reboot subsystem components	1	T	Software	LM1197
ERA27 2 3	The system shall resolve failures	ERA763	ERA27 2.3.3	The system shall provide the capability for users to remotely update configuration tables on subsystem components	1	T	Software	LM1198
ERA27 2.3	The system shall resolve failures	ERA763	ERA27 2.3.4	The system shall provide the capability for users to remotely deploy software	1	T	Software	LM1199
ERA27 2.3	The system shall resolve failures	ERA763	ERA27 2.3.5	The system shall provide the capability for users to replace select subsystem components	1	T	Operations	LM1200
ERA27 2 4	The system shall provide notification of failures	ERA764	ERA27 2.4	The system shall provide notification of failures	1	T	Software	ERA764
ERA27 2 5	The system shall provide consolidated application error logging	ERA765	ERA27 2.5	The system shall provide consolidated application error logging	1	T	Software	ERA765
ERA27 2 5	The system shall provide consolidated application error logging	ERA765	ERA27 2.5.1	The system shall provide the capability to gather application error data into a persistent storage location	1	T	Software	LM1201
ERA27 2 5	The system shall provide consolidated application error logging	ERA765	ERA27 2.5.2	The system shall provide the capability to create textual reports that list error messages	1	D	Software	LM1202
ERA27 2 6	The system shall provide consolidated COTS fault logging	ERA766	ERA27 2.6	The system shall provide consolidated COTS fault logging	1	D	Software	ERA766
ERA27 2 6	The system shall provide consolidated COTS fault logging	ERA766	ERA27 2.6.1	The system shall provide the capability to gather COTS error data into a persistent storage location	1	T	Software	LM1203
ERA27 2.6	The system shall provide consolidated COTS fault logging	ERA766	ERA27 2.6.2	The system shall provide the capability to create textual reports that list COTS error messages	1	D	Software	LM1204
ERA27 3	The system shall monitor overall system state in a consolidated manner	ERA767	ERA27 3	The system shall monitor overall system state in a consolidated manner	4	D	Software	ERA767
ERA27 3 1	The system shall monitor system workflow	ERA768	ERA27 3.1	The system shall monitor system workflow	1	D	Software	ERA768
ERA27 3 2	The system shall monitor system load	ERA769	ERA27 3.2	The system shall monitor system load	1	D	Software	ERA769





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ERA27 3.2	The system shall monitor system load	ERA769	ERA27.3.2.1	The system shall provide the capability to monitor CPU utilization for subsystem components	1	D	Software	LM1205
ERA27 3.2	The system shall monitor system load	ERA769	ERA27 3.2.2	The system shall provide the capability to monitor memory utilization for subsystem components	1	D	Software	LM1206
ERA27 3.2	The system shall monitor system load	ERA769	ERA27 3.2.3	The system shall provide the capability to monitor thread utilization for subsystem components	1	D	Software	LM3166
ERA27 3.2	The system shall monitor system load	ERA769	ERA27 3.2.4	The system shall provide the capability to monitor connection utilization for subsystem components	1	D	Software	LM3167
ERA27 3.2	The system shall monitor system load	ERA769	ERA27.3.2.5	The system shall provide the capability to monitor bandwidth utilization for subsystem components	1	D	Software	LM3168
ERA27.3.3	The system shall monitor system performance	ERA770	ERA27.3.3	The system shall monitor system performance	1	D	Software	ERA770
ERA27.3.3	The system shall monitor system performance	ERA770	ERA27.3.3.1	The system shall provide the capability to estimate file download time to the user	1	D	Software	LM1207
ERA27.3.4	The system shall monitor storage usage	ERA771	ERA27.3.4	The system shall monitor storage usage	1	D	Software	ERA771
ERA27 3.5	The system shall monitor data requests	ERA772	ERA27.3.5	The system shall monitor data requests	1	D	Software	ERA772
ERA27 3.5	The system shall monitor data requests	ERA772	ERA27.3.5.1	The system shall provide the capability to monitor requests for data by user	1	D	Software	LM1208
ERA27 3.5	The system shall monitor data requests	ERA772	ERA27.3.5.2	The system shall provide the capability to capture information about requests for data	1	D	Software	LM1209
ERA27.3.5	The system shall monitor data requests	ERA772	ERA27.3.5.3	The system shall provide the capability to generate access statistics based upon requests for data	1	D	Software	LM1210
ERA27 3.5	The system shall monitor data requests	ERA772	ERA27.3.5.4	The system shall provide the capability to create reports based upon information about requests for data	1	D	Software	LM1211
ERA27 3.6	The system shall monitor the status of all its storage systems	ERA773	ERA27 3.6	The system shall monitor the status of all its storage systems	1	D	Software	ERA773
ERA27.3.7	The system shall monitor the performance of all its storage systems	ERA774	ERA27.3.7	The system shall monitor the performance of all its storage systems	1	D	Software	ERA774
ERA27 3.8	The system shall present system monitoring data via a consistent operations user interface	ERA775	ERA27.3.8	The system shall present system monitoring data via a consistent operations user interface	4	D	Software	ERA775
ERA27 3.8	The system shall present system monitoring data via a consistent operations user interface	ERA775	ERA27.3.8.1	The system shall present system monitoring data for all subsystems using a consistent user interface	4	D	Software	LM775
ERA27.4	The system shall provide the capability to adjust system parameters	ERA776	ERA27.4	The system shall provide the capability to adjust system parameters	4	D	Software	ERA776
ERA27 4.1	The system shall adjust storage allocations	ERA777	ERA27 4.1	The system shall adjust storage allocations	1	T	Software	ERA777

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ERA27 4 2	The system shall balance system loads	ERA778	ERA27 4 2	The system shall balance system loads	1	T	Software	ERA778
ERA27 4 3	The system shall allocate resources	ERA779	ERA27 4 3	The system shall allocate resources	1	T	Software	ERA779
ERA27 4 4	The system shall de-allocate resources	ERA780	ERA27 4 4	The system shall de-allocate resources	1	D	Software	ERA780
ERA27 4 5	The system shall report resources usage	ERA781	ERA27 4 5	The system shall report resources usage	1	D	Software	ERA781
ERA27 4 6	The system shall provide the capability to take resources off line	ERA782	ERA27 4 6	The system shall provide the capability to take resources off line	1	D	Software	ERA782
ERA27 4 7	The system shall provide the capability to bring resources on line	ERA783	ERA27 4 7	The system shall provide the capability to bring resources on line	1	D	Software	ERA783
ERA27 4 8	The system shall present the system parameter controls via a consistent operations user interface	ERA784	ERA27 4 8	The system shall present the system parameter controls via a consistent operations user interface	4	D	Software	ERA784
ERA27 4 8	The system shall present the system parameter controls via a consistent operations user interface	ERA784	ERA27 4 8 1	The system shall present the system parameter controls for all subsystems using a consistent user interface	4	D	Software	LM784
ERA28	The system shall provide logistics management capabilities	ERA785	ERA28	The system shall provide logistics management capabilities	3	T	Software	ERA785
ERA28 1	The system shall provide inventory management	ERA786	ERA28. 1	The system shall provide inventory management	2	T	Software	ERA786
ERA28 1	The system shall provide inventory management	ERA786	ERA28. 1 5	The system shall provide inventory management	2	T	Software	LM1212
ERA28 1	The system shall provide inventory management	ERA786	ERA28. 1 6	The system shall provide the capability to manage a system-wide inventory of all accountable office equipment within ERA Physical Plant equipment	1	T	Software	LM1213
ERA28 1 1	The system shall provide spare parts inventory management	ERA787	ERA28. 1 1	The system shall provide spare parts inventory management	2	T	Software	ERA787
ERA28. 1 1 1	The system shall provide the capability to monitor the spare parts inventory	ERA788	ERA28. 1 1 1	The system shall provide the capability to monitor the spare parts inventory	2	T	Software	ERA788
ERA28. 1 1 2	The system shall provide the capability to manage the replenishment of the spare parts inventory	ERA789	ERA28. 1 1 2	The system shall provide the capability to manage the replenishment of the spare parts inventory	2	T	Software	ERA789
ERA28 1 2	The system shall provide consumables inventory management	ERA790	ERA28. 1 2	The system shall provide consumables inventory management	2	T	Software	ERA790
ERA28. 1 2 1	The system shall provide the capability to monitor all the consumables inventories for ERA operations	ERA791	ERA28. 1 2 1	The system shall provide the capability to monitor all the consumables inventories for ERA operations	2	T	Software	ERA791
ERA28 1 2 2	The system shall provide the capability to manage the replenishment of the consumables inventories	ERA792	ERA28. 1 2 2	The system shall provide the capability to manage the replenishment of the consumables inventories	2	T	Software	ERA792
ERA28 1 3	The system shall provide the capability to manage a system-wide inventory of all hardware contained within ERA	ERA793	ERA28 1 3	The system shall provide the capability to manage a system-wide inventory of all hardware contained within ERA	1	T	Software	ERA793

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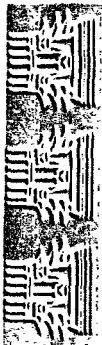


RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA28 1 4	The system shall provide the capability to manage a system-wide inventory of all software contained within ERA	ERA794	ERA28 1 4	The system shall provide the capability to manage a system-wide inventory of all software contained within ERA	1	T	Software	ERA794
ERA28 2	The system shall provide configuration management capabilities	ERA795	ERA28.2	The system shall provide configuration management capabilities	1	T	Software	ERA795
ERA28 2	The system shall provide configuration management capabilities	ERA795	ERA28 2 7	The system shall provide configuration management to support system documentation	1	I	Software	LM1218
ERA28 2	The system shall provide configuration management capabilities	ERA795	ERA28 2.8	The system shall provide configuration management to support training materials	1	I	Software	LM1219
ERA28 2.1	The system shall provide the capability for configuration management of the operational hardware of ERA	ERA796	ERA28 2 1	The system shall provide the capability for configuration management of the operational hardware of ERA	1	I	Software	ERA796
ERA28.2 2	The system shall provide the capability for configuration management of the archival software of ERA	ERA797	ERA28 2 2	The system shall provide the capability for configuration management of the archival software of ERA	1	T	Software	ERA797
ERA28.2 2	The system shall provide the capability for configuration management of the archival software of ERA	ERA797	ERA28 2.2 1	The system shall provide the capability for configuration management of the developed software of ERA	1	T	Software	LM3169
ERA28.2 2	The system shall provide the capability for configuration management of the archival software of ERA	ERA797	ERA28.2.2.2	The system shall provide the capability for configuration management of the COTS software of ERA	1	T	Software	LM3170
ERA28 2 2	The system shall provide the capability for configuration management of the archival software of ERA	ERA797	ERA28 2.2 3	The system shall provide the capability for configuration management of the configuration files of ERA	1	T	Software	LM3171
ERA28 2 3	The system shall provide the capability for configuration management of the system software of ERA	ERA798	ERA28 2.3	The system shall provide the capability for configuration management of the system software of ERA	1	T	Software	ERA798
ERA28.2 4	The system shall provide the capability to migrate hardware upgrades into the operational environment	ERA799	ERA28 2.4	The system shall provide the capability to migrate hardware upgrades into the operational environment	1	I	Software	ERA799
ERA28.2.5	The system shall provide the capability to migrate software upgrades into the operational environment	ERA800	ERA28 2.5	The system shall provide the capability to migrate software upgrades into the operational environment	1	T	Software	ERA800
ERA28.2.5	The system shall provide the capability to migrate software upgrades into the operational environment	ERA800	ERA28 2.5.1	The system shall provide the capability to schedule the migration of software upgrades into the operational environment	1	T	Software	LM1215
ERA28 2 5	The system shall provide the capability to migrate software upgrades into the operational environment	ERA800	ERA28 2.5.2	The system shall provide the capability to verify the migration of software upgrades into the operational environment	1	T	Software	LM1216

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RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA28.2.5	The system shall provide the capability to migrate software upgrades into the operational environment	ERA800	ERA28.2.5.3	The system shall provide the capability to rollback software migration in case of a failure	1	T	Software	LM1217
ERA28.2.6	The system shall provide configuration management to support the testing of ERA	ERA801	ERA28.2.6	The system shall provide configuration management to support the testing of ERA	1	I	Software	ERA801
ERA28.3	The system shall provide the capability to schedule preventative maintenance for system components	ERA802	ERA28.3	The system shall provide the capability to schedule preventative maintenance for system components	3	T	Software	ERA802
ERA29	The system shall manage user subscriptions to services	ERA803	ERA29	The system shall manage user subscriptions to services	4	D	Software	ERA803
ERA29	The system shall manage user subscriptions to services	ERA803	ERA29.1.7	The system shall provide the capability to display a list of a user's subscriptions	2	D	Software	LM1354
ERA29.1	The system shall provide the capability to manage user subscriptions	ERA804	ERA29.1	The system shall provide the capability to manage user subscriptions	3	D	Software	ERA804
ERA29.1.1	The system shall provide the capability for the user to create subscriptions	ERA805	ERA29.1.1	The system shall provide the capability for the user to create subscriptions	2	D	Software	ERA805
ERA29.1.1	The system shall provide the capability for the user to create subscriptions	ERA805	ERA29.1.1.1	The system shall provide the capability for a user to select characteristics for a subscription identifier for each subscription	2	D	Software	LM1349
ERA29.1.1	The system shall provide the capability for the user to create subscriptions	ERA805	ERA29.1.1.2	The system shall allocate a constant unique user to modify subscriptions	2	D	Software	LM1350
ERA29.1.2	The system shall provide the capability for the user to modify subscriptions	ERA806	ERA29.1.2	The system shall provide the capability for the user to delete subscriptions	2	D	Software	ERA806
ERA29.1.3	The system shall provide the capability for the user to delete subscriptions	ERA807	ERA29.1.3	The system shall provide the capability for the user to delete subscriptions	2	D	Software	ERA807
ERA29.1.4	The system shall provide the capability for the user to suspend subscriptions	ERA808	ERA29.1.4	The system shall provide the capability for the user to suspend subscriptions	3	D	Software	ERA808
ERA29.1.5	The system shall provide the capability for the user to resume suspended subscriptions	ERA809	ERA29.1.5	The system shall provide the capability for the user to resume suspended subscriptions	3	D	Software	ERA809
ERA29.1.6	The system shall provide the capability for the System Administrator to execute all subscription management functions on behalf of the user	ERA810	ERA29.1.6	The system shall provide the capability for the System Administrator to execute all subscription management functions on behalf of the user	2	D	Software	ERA810
ERA29.2	The system shall provide the capability to manage subscription processing independently of other system performance functions	ERA811	ERA29.2	The system shall provide the capability to manage subscription processing independently of other system performance functions	2	T	Software	ERA811
ERA29.2	The system shall provide the capability to manage subscription processing independently of other system performance functions	ERA811	ERA29.2.1	The system shall provide the capability to limit system resources available to a user for subscription processing	2	D	Software	LM1351
ERA29.3	The system shall provide the capability to execute any combination of services in response to any combination of events	ERA812	ERA29.3	The system shall provide the capability to execute any combination of services in response to any combination of events	2	D	Software	ERA812

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RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc.	VM	Allocation	LMUnique ID
ERA29.3	The system shall provide the capability to execute any combination of services in response to any combination of events	ERA812	ERA29.3.3	The system shall provide the capability to execute a combination of services from a list of eligible services in response to a combination of events from a list of eligible events	2	D	Software	LM812
ERA29.3.1	The system shall provide the capability for any service to be eligible for subscription	ERA813	ERA29.3.1	The system shall provide the capability for any service to be eligible for subscription	2	D	Software	ERA813
ERA29.3.1	The system shall provide the capability for any service to be eligible for subscription	ERA813	ERA29.3.1.1	The system shall provide the capability to allow a user to identify services eligible for subscription	2	D	Software	LM1352
ERA29.3.2	The system shall provide the capability for any system event to be eligible for subscription	ERA814	ERA29.3.2	The system shall provide the capability for any system event to be eligible for subscription	2	D	Software	ERA814
ERA29.3.2	The system shall provide the capability for any system event to be eligible for subscription	ERA814	ERA29.3.2.1	The system shall provide the capability to allow an administrative user to identify events eligible for subscription	2	D	Software, Operations	LM1353
ERA29.4	The system shall provide the capability to execute a subscription a specified number of times	ERA815	ERA29.4	The system shall provide the capability to execute a subscription a specified number of times	2	D	Software	ERA815
ERA29.4.1	The system shall provide the capability for the user to specify the number of times a subscription is to be executed	ERA816	ERA29.4.1	The system shall provide the capability for the user to specify the number of times a subscription is to be executed	2	D	Software	ERA816
ERA29.4.1	The system shall provide the capability for the user to specify the number of times a subscription is to be executed	ERA816	ERA29.4.1.1	The system shall provide the capability for a user to specify the number of times a subscription is to be executed when the subscription is created	2	D	Software	LM816
ERA29.4.1	The system shall provide the capability for the user to specify the number of times a subscription is to be executed	ERA816	ERA29.4.1.2	The system shall provide the capability for a user to specify the number of times a subscription is to be executed when the subscription is modified	2	D	Software	LMNEW1
ERA29.4.2	The system shall delete subscriptions after they have been run the number of times specified by the user	ERA817	ERA29.4.2	The system shall delete subscriptions after they have been run the number of times specified by the user	2	D	Software	ERA817
ERA29.5	The system shall provide the capability for subscriptions that are time based	ERA818	ERA29.5	The system shall provide the capability for subscriptions that are time based	4	D	Software	ERA818
ERA29.5.1	The system shall provide the capability to execute subscriptions at a specified future time	ERA819	ERA29.5.1	The system shall provide the capability to execute subscriptions at a specified future time	4	D	Software	ERA819
ERA29.5.2	The system shall provide the capability to execute subscriptions at specified intervals	ERA820	ERA29.5.2	The system shall provide the capability to execute subscriptions at specified intervals	4	D	Software	ERA820
ERA30	The system shall provide service management	ERA821	ERA30	The system shall provide service management	3	D	Software	ERA821
ERA30	The system shall provide service management	ERA821	ERA30.13	The system shall provide the capability for a service registry	1	D	Software	LM3172
ERA30	The system shall provide service management	ERA821	ERA30.14	The system shall provide the capability to terminate a service	1	D	Software	LM3173

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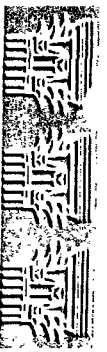


RD Trace Tag	ERA PMO Requirements Document Text	RD Trace-ID	LM Tag	LM Requirements	Inc	VM	Allocation	LMUnique ID
ERA30	The system shall provide service management	ERA821	ERA30.15	The system shall provide the capability to start a service	1	D	Software	LM3174
ERA30.1	The system shall provide the capability to queue services	ERA822	ERA30.1	The system shall provide the capability to queue services	1	T	Software	ERA822
ERA30.2	The system shall provide the capability to monitor services	ERA823	ERA30.2	The system shall provide the capability to monitor services	1	D	Software	ERA823
ERA30.3	The system shall provide the capability to categorize services	ERA824	ERA30.3	The system shall provide the capability to categorize services	1	D	Software	ERA824
ERA30.4	The system shall provide the capability to prioritize services	ERA825	ERA30.4	The system shall provide the capability to prioritize services	2	T	Software	ERA825
ERA30.4.1	The system shall provide the capability to prioritize different categories of services	ERA826	ERA30.4.1	The system shall provide the capability to prioritize different categories of services	2	T	Software	ERA826
ERA30.4.2	The system shall provide the capability to prioritize individual service executions within a category of service	ERA827	ERA30.4.2	The system shall provide the capability to prioritize individual service executions within a category of service	2	T	Software	ERA827
ERA30.5	The system shall provide the capability to preempt services	ERA828	ERA30.5	The system shall provide the capability to preempt services	1	T	Software	ERA828
ERA30.6	The system shall provide the capability to suspend services	ERA829	ERA30.6	The system shall provide the capability to suspend services	1	D	Software	ERA829
ERA30.6.1	The system shall provide the capability to suspend a service at the category level	ERA830	ERA30.6.1	The system shall provide the capability to suspend a service at the category level	1	D	Software	ERA830
ERA30.6.2	The system shall provide the capability to suspend an individual service's execution within a category of service	ERA831	ERA30.6.2	The system shall provide the capability to suspend an individual service's execution within a category of service	1	D	Software	ERA831
ERA30.6.3	The system shall provide the capability to resume any type of service that has been suspended	ERA832	ERA30.6.3	The system shall provide the capability to resume any type of service that has been suspended	1	D	Software	ERA832
ERA30.7	The system shall provide the capability to limit service execution times	ERA833	ERA30.7	The system shall provide the capability to limit service execution times	2	T	Software	ERA833
ERA30.7.1	The system shall limit individual service execution run times in a pre-emptive manner	ERA834	ERA30.7.1	The system shall limit individual service execution run times in a pre-emptive manner	2	T	Software	ERA834
ERA30.7.1	The system shall limit individual service execution run times in a pre-emptive manner	ERA834	ERA30.7.1.1	The system shall provide the capability to limit individual service execution run times in a pre-emptive manner based on user role	2	T	Software	LM1113
ERA30.7.1	The system shall limit individual service execution run times in a pre-emptive manner	ERA834	ERA30.7.1.2	The system shall provide the capability to limit individual service execution run times in a pre-emptive manner based on fee-for-service	2	T	Software	LM1114
ERA30.7.2	The system shall provide the capability to adjust service execution run time limits	ERA835	ERA30.7.2	The system shall provide the capability to adjust service execution run time limits	2	D	Software	ERA835
ERA30.8	The system shall provide check-pointing	ERA836	ERA30.8	The system shall provide check-pointing	2	T	Software	ERA836

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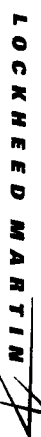
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ERA30 8 1	The system shall store check-pointed system state information sufficient for full system state recovery	ERA837	ERA30 8.1	The system shall store check-pointed system state information sufficient for full system state recovery	2	T	Software	ERA837
ERA30 8 2	The system shall provide the capability to recover from a check-pointed point in time	ERA838	ERA30 8 2	The system shall provide the capability to recover from a check-pointed point in time	2	T	Software	ERA838
ERA30 8 2	The system shall provide the capability to recover from a check-pointed point in time	ERA838	ERA30 8.2.1	The system shall provide the capability to recover using check-pointed system state information	2	T	Software	LM838
ERA30 9	The system shall provide the capability for all services to be eligible for fee bearing status	ERA839	ERA30 9	The system shall provide the capability for all services to be eligible for fee bearing status	2	I	Software	ERA839
ERA30 9 1	The system shall interface with external billing systems	ERA840	ERA30 9.1	The system shall interface with external billing systems	2	T	Software	ERA840
ERA30 9.1	The system shall interface with external billing systems	ERA840	ERA30 9.1.1	The system shall interface with NARA's external billing systems according to the Interface Requirements Specification	2	T	Software	LM840
ERA30 10	The system shall estimate resource requirements for any ERA-provided service	ERA841	ERA30 10	The system shall estimate resource requirements for any ERA-provided service	3	D	Software	ERA841
ERA30 10	The system shall estimate resource requirements for any ERA-provided service	ERA841	ERA30 10 1	The system shall estimate labor time resources requirement for services	3	D	Software	LM1222
ERA30 10	The system shall estimate resource requirements for any ERA-provided service	ERA841	ERA30 10.2	The system shall estimate system resources requirements for services	3	D	Software	LM1223
ERA30 11	The system shall estimate execution time for any service	ERA842	ERA30 11	The system shall estimate execution time for any service	3	D	Software	ERA842
ERA30 11	The system shall estimate execution time for any service	ERA842	ERA30 11 1	The system shall estimate labor execution time for services	3	D	Software	LM1224
ERA30 11	The system shall estimate execution time for any service	ERA842	ERA30 11 2	The system shall estimate system execution time for services	3	D	Software	LM1225
ERA30 12	The system shall provide APIs for all developed services	ERA843	ERA30 12	The system shall provide APIs for all developed services	1	I	Software	ERA843
ERA30 12	The system shall provide APIs for all developed services	ERA843	ERA30 12 1	The system shall provide service based interfaces for developed services	1	I	Software	LM843
ERA31	The system shall meet or exceed specified performance requirements	ERA844	ERA31	The system shall meet or exceed specified performance requirements	1	A	Hardware, Software	ERA844
ERA31 1	The system shall accommodate loads as specified in Appendix B, Table B-2, ERA Record Volume Requirements	ERA845	ERA31.1	The system shall accommodate loads as specified in Appendix B, Table B-2, ERA Record Volume Requirements	1	A	Hardware, Software	ERA845
ERA31 2	The system shall be scalable to one exabyte of total storage without major design changes	ERA846	ERA31 2	The system shall be scalable to one exabyte of total storage without major design changes	1	A	Software	ERA846
ERA31 3	The system shall be scalable to ten teraobjects without major design changes	ERA847	ERA31 3	The system shall be scalable to ten teraobjects without major design changes	1	A	Hardware, Software	ERA847

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ERA31 4	The system shall provide response time performance as specified in Appendix B, Table B-3. ERA System Performance Requirements	ERA848	ERA31 4	The system shall provide response time performance as specified in Appendix B, Table B-3. ERA System Performance Requirements	1	T	Hardware, Software	ERA848
ERA32	The system shall meet or exceed specified availability requirements	ERA849	ERA32	The system shall meet or exceed specified availability requirements	5	A	Hardware, Software	ERA849
ERA32 1	The system shall meet or exceed availability requirements as specified in Appendix B, Table B-1, ERA Availability Requirements	ERA850	ERA32 1	The system shall meet or exceed availability requirements as specified in Appendix B, Table B-1, ERA Availability Requirements	5	A	Hardware, Software	ERA850
ERA32.2	The system shall have no single point of failure	ERA851	ERA32.2	The system shall have no single point of failure	1	I	Hardware, Software	ERA851
ERA33	The system shall be designed in the context of NARA's Enterprise Architecture	ERA852	ERA33	The system shall be designed in the context of NARA's Enterprise Architecture	1	A	Hardware, Software	ERA852
ERA33 1	The system shall comply with section 508 of the Rehabilitation Act of 1973	ERA853	ERA33.1	The system shall comply with section 508 of the Rehabilitation Act of 1973	1	T	Software	ERA853
ERA33 1	The system shall comply with section 508 of the Rehabilitation Act of 1973	ERA853	ERA33.1.1	The system shall comply with section 508 of the Rehabilitation Act of 1973, as specified in the Human Factors Specification	1	T	Software	LM853

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APPENDIX 40. ALLOCATION TO INCREMENT

This appendix provides details of the allocations of the LM requirements to the first five planned increments. Included are 2 summary tables: one of the counts of requirements by system element to increment, and the other of counts of requirements by verification method to increment.

System Element Allocation	Incr. 1	Incr. 2	Incr. 3	Incr. 4	Incr. 5	Total
Hardware	18	4				22
Hardware, Operations	4					4
Hardware, Software	21	3	1		2	27
Hardware, Software, Operations	2					2
Operations	27	2	1			30
Software	715	679	52	24	6	1476
Software, Operations	7	4	3	1		15
Grand Total	794	692	57	25	8	1576

Verification Method	Incr. 1	Incr. 2	Incr. 3	Incr. 4	Incr. 5	Total
Analysis	20	16	2	0	2	40
Demonstration	563	563	47	24	6	1203
Inspection	27	8	2	1	0	38
Test	184	105	6	0	0	295
Not Verified	0	0	0	0	0	0
TOTALS	794	692	57	25	8	1576

The following five tables break out the SYRS requirements by increment. Our Team's guidance for inheritance allocations between parents and children allows for multiple implementations based upon the relationships of the characteristics of the functionality described in an individual parent, and those included in the extent of the corresponding children. Each requirement is included in only one of the increment tables below corresponding to the table for which that requirement is allocated. Parent and children requirements will appear in different



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tables if they are allocated to different increments. The details of our Team's allocation approach are included in the Methodology section above.

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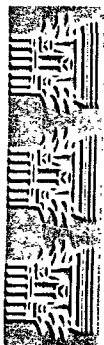




Increment 1

LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA1.1.1.1	The system shall provide the capability for users to create templates for disposition agreements	ERA1.1.1.1	1	D	Software	ERA4
ERA1.1.1.2	The system shall provide the capability for users to create disposition agreements based on templates	ERA1.1.1.2	1	D	Software	ERA5
ERA1.1.1.3	The system shall provide the capability for users to create new disposition agreements based on existing disposition agreements	ERA1.1.1.3	1	D	Software	ERA6
ERA1.1.1.3.1	The system shall provide the capability for users to create new disposition agreements based on proposed disposition agreements	ERA1.1.1.3	1	D	Software	LM1355
ERA1.1.1.3.2	The system shall provide the capability for users to create new disposition agreements based on default disposition agreements	ERA1.1.1.3	1	D	Software	LM855
ERA1.1.1.3.3	The system shall provide the capability for users to create new disposition agreements based on approved disposition agreements	ERA1.1.1.3	1	D	Software	LM6
ERA1.1.1.4.3	The system shall provide the capability for a user to select an alternate workflow for records within a disposition agreement	ERA1.1.1	1	D	Software	LM1357
ERA1.1.2	The system shall store disposition agreements	ERA1.1.2	1	D	Software	ERA10
ERA1.1.2.1	The system shall assign a unique identifier to each disposition agreement	ERA1.1.2.1	1	D	Software	ERA11
ERA1.1.2.1.1	The system shall assign a constant unique identifier to each version of a disposition agreement	ERA1.1.2.1	1	D	Software	LM11
ERA1.1.3	The system shall provide the capability for users to assign a status to a disposition agreement	ERA1.1.3	1	D	Software	ERA12
ERA1.1.3.1	The system shall report on the status of a disposition agreement upon request	ERA1.1.3.1	1	D	Software	ERA13
ERA1.1.3.2	The system shall provide the capability for users to define rules for transitioning between disposition agreement statuses	ERA1.1.3	1	D	Software	LM859
ERA1.1.3.3	The system shall track the status of disposition agreements	ERA1.1.3	1	T	Software	LM860
ERA1.1.3.4	The system shall provide the capability to notify users on changes to a disposition agreement's status	ERA1.1.3	1	D	Software	LM861
ERA1.1.3.5	The system shall implement user defined rules for transitioning between disposition statuses	ERA1.1.3	1	T	Software	LM862
ERA1.1.3.6	The system shall provide the capability for users to identify disposition agreements with a status of defunct	ERA1.1.4	1	D	Software	LM864
ERA1.1.3.6.1	The system shall provide the capability for users to hide defunct disposition agreements from view	ERA1.1.4	1	D	Software	LM865

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA1.1.3.6.2	The system shall provide the capability for users to view defunct disposition agreements	ERA1.1.4	1	D	Software	LM866
ERA1.1.4	The system shall provide the capability for users to modify disposition agreements	ERA1.1.4	1	D	Software	ERA14
ERA1.1.4.1	The system shall provide the capability for users to delete disposition agreements	ERA1.1.4.1	1	T	Software	ERA15
ERA1.1.5	The system shall manage versioning of disposition agreements	ERA1.1.5	1	D	Software	ERA16
ERA1.1.5.1	The system shall maintain the version history of a disposition agreement	ERA1.1.5	1	D	Software	LM867
ERA1.1.5.2	The system shall provide the capability for a user to create a new version of an approved disposition agreement to allow it to be modified	ERA1.1.5	1	D	Software	LM868
ERA1.1.5.3	The system shall provide the capability for a user to view versions of a disposition agreement	ERA1.1.5	1	D	Software	LM869
ERA1.1.5.4	The system shall provide the capability to modify versions of a disposition agreement	ERA1.1.5	1	D	Software	LM870
ERA1.1.5.5	The system shall provide the capability to delete versions of a disposition agreement	ERA1.1.5	1	D	Software	LM871
ERA1.1.6	The system shall provide the capability to import disposition agreements	ERA1.1.6	1	T	Software	ERA17
ERA1.1.6.1	The system shall provide the capability to import approved disposition agreements	ERA1.1.6.1	1	T	Software	ERA18
ERA1.1.6.1.1	The system shall provide the capability to import disposition agreements, with a status of "approved", according to the Interface Requirements Specification	ERA1.1.6.1	1	T	Software	LM18
ERA1.1.6.2	The system shall provide the capability to import proposed disposition agreements	ERA1.1.6.2	1	T	Software	ERA19
ERA1.1.6.2.1	The system shall provide the capability to import disposition agreements, with a status of "proposed", according to the Interface Requirements Specification	ERA1.1.6.2	1	T	Software	LM19
ERA1.1.6.3	The system shall provide the capability to import disposition agreements according to the Interface Requirements Specification	ERA1.1.6	1	T	Software	LM17
ERA1.1.7	The system shall provide the capability for users to approve disposition agreements	ERA1.1.7	1	D	Software	ERA20
ERA1.1.7.1	The system shall provide the capability for users to submit disposition agreements for approval	ERA1.1.7.1	1	D	Software	ERA21
ERA1.1.7.2	The system shall provide the capability for users to assign a status of "approved" to disposition agreements	ERA1.1.7	1	D	Software	LM872
ERA1.1.7.3	The system shall provide the capability for users to assign a status other than "approved" to disposition agreements	ERA1.1.7	1	D	Software	LM3140

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA1.1.8	The system shall provide the capability for disposition agreements to contain disposition instructions	ERA1.1.8	1	D	Software	ERA22
ERA1.1.8.1	The system shall provide the capability for disposition agreements to contain disposition instructions that can be implemented by the system	ERA1.1.8.1	1	D	Software	ERA23
ERA1.1.8.1.1	The system shall provide the capability to execute disposition instructions based on a defined syntax	ERA1.1.8.1	1	D	Software	LM23
ERA1.1.8.2	The system shall check the disposition instructions contained in disposition agreements to ensure that they can be implemented by the system	ERA1.1.8.2	1	T	Software	ERA24
ERA1.1.8.2.1	The system shall verify the disposition instructions contained in disposition agreements to determine if they conform to the defined syntax for disposition instructions	ERA1.1.8.2	1	T	Software	LM24
ERA1.1.8.3	The system shall provide the capability for users to specify disposition instructions for each disposition agreement item	ERA1.1.8	1	T	Software	LM876
ERA1.1.8.4	The system shall provide the capability for a user to update disposition instructions within a disposition agreement	ERA1.1.8	1	D	Software	LM3297
ERA1.1.8.5	The system shall provide the capability for a user to delete disposition instructions within a disposition agreement	ERA1.1.8	1	D	Software	LM3298
ERA1.1.9	The system shall provide the capability for users to define relationships between disposition agreements	ERA1.1.9	1	D	Software	ERA25
ERA1.1.10	The system shall provide the capability for users to include records lifecycle data about records in disposition agreements	ERA1.1.10	1	D	Software	ERA26
ERA1.1.11	The system shall check disposition agreements against NARA standards	ERA1.1.11	1	D	Software	ERA27
ERA1.1.11.1	The system shall check disposition agreements for conformance to the appropriate template	ERA1.1.11.1	1	T	Software	ERA28
ERA1.1.11.1.1	The system shall validate disposition agreements for conformance to the associated templates	ERA1.1.11.1	1	T	Software	LM28
ERA1.1.11.2	The system shall provide the results of checking the disposition agreement to the user	ERA1.1.11.2	1	D	Software	ERA29
ERA1.1.12	The system shall search existing disposition agreements to identify those related to a proposed disposition agreement	ERA1.1.12	1	T	Software	ERA30
ERA1.1.12.1	The system shall compare disposition agreements to identify those which cover similar records	ERA1.1.12.1	1	T	Software	ERA31
ERA1.1.12.1.1	The system shall compare disposition agreements to identify those which cover similar records based on weighted criteria	ERA1.1.12.1	1	T	Software	LM31

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA1.1.12.2	The system shall compare items in proposed disposition agreements with items in existing disposition agreements to identify duplications	ERA1.1.12.2	1	T	Software	ERA32
ERA1.1.12.2.1	The system shall compare items in proposed disposition agreements with items in approved disposition agreements to identify potential duplications based on weighted criteria	ERA1.1.12.2	1	T	Software	LM32
ERA1.1.12.3	The system shall display disposition agreements that cover similar records on user request	ERA1.1.12	1	D	Software	LM887
ERA1.1.12.4	The system shall display disposition agreements that contain potentially duplicated items on user request	ERA1.1.12	1	D	Software	LM888
ERA1.1.13	The system shall pre-fill agency information from an agency's ERA registration into the disposition agreement when available	ERA1.1.13	1	D	Software	ERA33
ERA1.1.13.1	The system shall pre-fill available agency information from an agency's ERA registration into the proposed disposition agreement upon creation of the disposition agreement	ERA1.1.13	1	D	Software	LM33
ERA1.1.13.2	The system shall provide the capability for users to update agency information in a disposition agreement by importing updated agency registration information	ERA1.1.13	1	D	Software	LMNEW2
ERA1.1.14	The system shall contain default disposition agreements	ERA1.1.14	1	D	Software	ERA34
ERA1.1.14.1	The system shall pre-fill proposed disposition agreements with default values	ERA1.1.14	1	D	Software	LM889
ERA1.1.14.2	The system shall provide the capability for users to identify disposition agreements as default disposition agreements	ERA1.1.14	1	D	Software	LM34
ERA1.1.15	The system shall capture lifecycle data from disposition agreements	ERA1.1.15	1	D	Software	ERA35
ERA1.1.16	The system shall provide the capability for users to access disposition agreements in all stages of the approval process	ERA1.1.16	1	D	Software	ERA36
ERA1.1.17	The system shall report on whether records are covered by more than one disposition agreement	ERA1.1.17	1	D	Software	ERA37
ERA1.1.17.1	The system shall provide the capability to provide a report listing records which are covered by multiple disposition agreements	ERA1.1.17	1	D	Software	LM37
ERA1.1.19	The system shall identify modifications of a disposition agreement from another related disposition agreement	ERA1.1	1	D	Software	LM893
ERA1.1.20	The system shall identify additions to a disposition agreement from another related disposition agreement	ERA1.1	1	D	Software	LM894
ERA1.1.21	The system shall provide the capability to divide a disposition agreement into multiple disposition agreements	ERA1.1	1	D	Software	LM895

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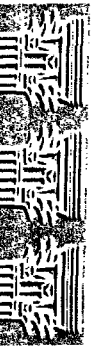
LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA1.1.22	The system shall provide the capability to merge multiple disposition agreements into one disposition agreement	ERA1.1	1	D	Software	LM896
ERA1.1.23	The system shall provide the capability for a user to assign a priority to a disposition agreement	ERA1.1	1	D	Software	LM897
ERA1.1.24	The system shall provide the capability for users to associate supporting electronic documents to a disposition agreement	ERA1.1	1	D	Software	LM898
ERA1.1.25	The system shall provide the capability for users to copy disposition agreement items from one disposition agreement into another disposition agreement	ERA1.1	1	D	Software	LM899
ERA1.1.26	The system shall provide the capability for users to create a disposition agreement package	ERA1.1	1	D	Software	LM900
ERA1.1.26.1	The system shall provide the capability for users to associate assets to a disposition agreement package	ERA1.1	1	D	Software	LM901
ERA1.1.26.2	The system shall provide the capability for users to delete assets from a disposition agreement package	ERA1.1	1	D	Software	LM902
ERA1.1.27	The system shall provide the capability for a user to include sample records with disposition agreements	ERA1.1.10	1	D	Software	LM886
ERA1.2	The system shall manage requests to transfer records	ERA1.2	1	D	Software	ERA38
ERA1.2.1	The system shall confirm that the transfer is authorized	ERA1.2.1	1	D	Software	ERA39
ERA1.2.1.1	The system shall store information about the authorization to transfer	ERA1.2.1.1	1	D	Software	ERA40
ERA1.2.1.1.1	The system shall include a link to the transfer authorization information in the record lifecycle data for each transferred record	ERA1.2.1.1	1	D	Software	LM903
ERA1.2.1.2	The system shall confirm that the transfer is covered under an existing disposition agreement	ERA1.2.1.2	1	D	Software	ERA41
ERA1.2.1.2.1	The system shall confirm that the transfer request and transferred records are covered under an existing disposition agreement	ERA1.2.1.2	1	D	Software	LM41
ERA1.2.1.3	The system shall confirm that the user initiating the transfer is authorized to do so	ERA1.2.1.3	1	D	Software	ERA42
ERA1.2.2	The system shall store information about the volume of the transfer	ERA1.2.2	1	D	Software	ERA43
ERA1.2.2.1	The system shall store information about the size of the transfer	ERA1.2.2	1	D	Software	LM43
ERA1.2.3	The system shall store information about the duration of the transfer	ERA1.2.3	1	D	Software	ERA44
ERA1.2.4	The system shall provide the capability to associate transfers with registered templates	ERA1.2.4	1	D	Software	ERA45
ERA1.2.4.1	The system shall provide the capability to associate transfers with approved templates	ERA1.2.4	1	D	Software	LM45
ERA1.2.5	The system shall provide the capability to disallow the transfer of records	ERA1.2.5	1	D	Software	ERA46

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA1.2.5.1	The system shall provide the capability for users to disallow a transfer of records	ERA1.2.5	1D		Software	LM46
ERA1.2.6	The system shall manage requests by transferring entities to transfer records from transferring entities to ERA	ERA1.2.6	1D		Software	ERA47
ERA1.2.6.1	The system shall receive requests by transferring entities to transfer records from transferring entities to ERA according to the Interface Requirements Specification	ERA1.2.6	1D		Software	LM47
ERA1.2.7	The system shall manage requests by NARA to transfer records from transferring entities to ERA	ERA1.2.7	1D		Software	ERA48
ERA1.2.7.1	The system shall provide the capability for a user to request the transfer of records from transferring entities to ERA	ERA1.2.7	1D		Software	LM48
ERA1.2.8	The system shall maintain a status of a transfer request	ERA1.2	1D		Software	LM906
ERA1.2.9	The system shall provide the capability to track the status of a transfer request	ERA1.2	1D		Software	LM907
ERA1.2.10	The system shall provide the capability for the system to disallow a transfer	ERA1.2	1D		Software	LM3338
ERA1.3	The system shall provide the capability to transfer legal custody of records to NARA	ERA1.3	1D		Software	ERA49
ERA1.3.1	The system shall provide the capability to obtain formal acceptance of records into NARA legal custody	ERA1.3.1	1D		Software	ERA50
ERA1.3.1.1	The system shall provide the capability to disapprove the acceptance of records into NARA legal custody	ERA1.3.1.1	1D		Software	ERA51
ERA1.3.1.2	The system shall obtain appropriate authorizations from NARA to accept records into NARA legal custody	ERA1.3.1.2	1D		Software	ERA52
ERA1.3.1.2.1	The system shall capture authorizations from NARA to accept records into NARA legal custody	ERA1.3.1.2	1D		Software	LM52
ERA1.3.1.3	The system shall obtain appropriate authorizations from transferring entities to accept records into NARA legal custody	ERA1.3.1.3	1D		Software	ERA53
ERA1.3.1.3.1	The system shall capture authorizations from transferring entities to accept records into NARA legal custody	ERA1.3.1.3	1D		Software	LM53
ERA1.3.2	The system shall require appropriate authorization prior to the destruction of electronic records that were appraised as permanent	ERA1.3.2	1D		Software	ERA54
ERA1.3.2.1	The system shall provide the capability to require authorization prior to the destruction of electronic records that were appraised as temporary	ERA1.3.2	1D		Software	LM3299
ERA1.5	The system shall provide the capability to destroy any electronic record	ERA1.5	1T		Software	ERA66
ERA1.5.1	The system shall provide the capability to queue electronic records for destruction based on disposition instructions	ERA1.5.1	1T		Software	ERA67

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA1.5.2	The system shall provide the capability for a user to select electronic records for destruction	ERA1.5.2	1	T	Software	ERA68
ERA1.5.3	The system shall confirm that all required authorizations have been received prior to destroying electronic records	ERA1.5.3	1	T	Software	ERA69
ERA1.5.4	The system shall provide the capability to destroy the electronic records lifecycle data associated with a destroyed electronic record	ERA1.5.4	1	T	Software	ERA70
ERA1.5.4.1	The system shall provide the capability to destroy electronic records lifecycle data at a different time as the destruction of the electronic record itself	ERA1.5.4.1	1	T	Software	ERA71
ERA1.5.4.2	The system shall provide the capability to destroy electronic records lifecycle data	ERA1.5.4	1	T	Software	LM909
ERA1.5.4.3	The system shall provide the capability to destroy the electronic records while retaining the records' associated lifecycle data	ERA1.5.4.1	1	T	Software	LM71
ERA1.5.5	The system shall destroy electronic records in accordance with Federal guidance	ERA1.5.5	1	T	Software	ERA72
ERA1.5.6	The system shall provide the capability to destroy all electronic copies of an electronic record	ERA1.5.6	1	T	Software	ERA73
ERA1.5.7	The system shall provide the capability to destroy all electronic versions of an electronic record	ERA1.5.7	1	T	Software	ERA74
ERA1.5.8	The system shall certify the destruction of electronic records	ERA1.5.8	1	I	Software	ERA75
ERA1.5.8.1	The system shall provide documentation to certify the destruction of electronic records	ERA1.5.8.1	1	I	Operations	ERA76
ERA1.5.8.1.1	The system shall provide documentation to certify the destruction of electronic records in accordance with agency standards as defined by NARA	ERA1.5.8.1	1	I	Operations	LM76
ERA1.5.9	The system shall destroy electronic records such that the electronic records cannot be recovered	ERA1.5.9	1	A	Software, Operations	ERA77
ERA1.5.11	The system shall provide the capability to destroy electronic records in accordance with agency standards as defined by NARA	ERA1.5.11	1	A	Software, Operations	ERA79
ERA1.5.12	The system shall provide a configurable retention period for records that have been selected for destruction, wherein the destruction of the records could be averted within the specified timeframe	ERA1.5.12	1	D	Software	ERA80
ERA1.5.12.1	The system shall provide a configurable retention period for records that have been selected for destruction, wherein a user could cancel the destruction of the records within the specified timeframe	ERA1.5.12	1	D	Software	LM80
ERA1.6.6	The system shall provide the capability for a user to view disposition instructions within a disposition agreement	ERA1.6	1	D	Software	LM884

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA1.6.7	The system shall notify users when disposition instructions contained in disposition agreements cannot be implemented by the system	ERA1.6	1	D	Software	LM885
ERA1.7	The system shall provide the capability to project scheduled transfers in accordance with disposition agreements	ERA1.7	1	D	Software	ERA88
ERA1.7.1	The system shall provide the capability to identify scheduled transfers in accordance with disposition agreements	ERA1.7	1	D	Software	LM88
ERA1.8	The system shall provide tools to package records in preparation for transfer to ERA	ERA1.8	1	D	Software	ERA89
ERA1.8.1	The system shall provide tools for packaging associating transfer agreements, disposition agreements, and templates with records into a self-describing format for transfer to ERA	ERA1.8	1	D	Software	LM89
ERA1.9	The system shall provide tools for the transfer of records to ERA	ERA1.9	1	D	Software	ERA90
ERA1.10.1	The system shall provide the capability to receive records from records management applications that comply with DOD-STD 5015.2 according to the Interface Requirements Specification	ERA1.10	1	D	Software	LM91
ERA2.1	The system shall invoke its services based on business rules	ERA2.1	1	D	Software	ERA101
ERA2.1.1	The system shall provide the capability to define business rules to the system	ERA2.1.1	1	D	Software	ERA102
ERA2.1.2	The system shall provide the capability for mandatory approvals as exit criteria for business processes	ERA2.1.2	1	D	Software	ERA103
ERA2.2	The system shall provide the capability to manage units of work	ERA2.2	1	D	Software	ERA104
ERA2.2.1	The system shall provide the capability to define units of work	ERA2.2.1	1	D	Software	ERA105
ERA2.2.2	The system shall provide the capability to assign sets of records to units of work	ERA2.2.2	1	D	Software	ERA106
ERA2.2.2.1	The system shall provide the capability to modify the assignment of sets of records to units of work	ERA2.2	1	D	Software	LM1050
ERA2.2.2.2	The system shall provide the capability to delete the assignment of sets of records to units of work	ERA2.2	1	D	Software	LM1051
ERA2.2.2.3	The system shall provide the capability to rollback changes associated with records that are deleted from a unit of work	ERA2.2	1	D	Software	LM1052
ERA2.2.3	The system shall provide the capability to queue units of work	ERA2.2.3	1	T	Software	ERA107
ERA2.2.4	The system shall provide the capability to suspend processing of units of work	ERA2.2.4	1	D	Software	ERA108
ERA2.2.5	The system shall provide the capability to resume processing of units of work that were suspended	ERA2.2.5	1	D	Software	ERA109
ERA2.2.6	The system shall provide the capability to track the status of units of work	ERA2.2.6	1	D	Software	ERA110
ERA2.2.7	The system shall report on the status of units of work	ERA2.2.7	1	D	Software	ERA111

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA2.2.8	The system shall provide the capability to define timeframes for completion of units of work	ERA2.2.8	1	D	Software	ERA112
ERA2.2.9	The system shall provide the status of a unit of work at completion	ERA2.2.9	1	D	Software	ERA113
ERA2.2.10	The system shall provide the capability to update the status of a unit of work	ERA2.2	1	D	Software	LM1053
ERA2.2.11	The system shall provide the capability to cancel processing of units of work	ERA2.2	1	D	Software	LM3141
ERA2.3	The system shall provide the capability to manage workflows	ERA2.3	1	D	Software	ERA114
ERA2.3.1	The system shall provide the capability to create workflows	ERA2.3.1	1	D	Software	ERA115
ERA2.3.2	The system shall provide the capability to delete workflows	ERA2.3.2	1	D	Software	ERA116
ERA2.3.3	The system shall provide the capability to integrate forms into workflows	ERA2.3.3	1	D	Software	ERA117
ERA2.3.4	The system shall provide the capability to modify workflows	ERA2.3.4	1	D	Software	ERA118
ERA2.3.5	The system shall provide the capability to manage multiple workflows simultaneously	ERA2.3.5	1	D	Software	ERA119
ERA2.3.6	The system shall enforce sequential completion of workflows	ERA2.3.6	1	D	Software	ERA120
ERA2.3.6.1	The system shall provide the capability to enforce sequential completion within workflows	ERA2.3.6	1	D	Software	LM120
ERA2.4.1	The system shall provide the capability to queue workflows	ERA2.4.1	1	T	Software	ERA122
ERA2.4.2	The system shall provide the capability to suspend workflows	ERA2.4.2	1	D	Software	ERA123
ERA2.4.3	The system shall provide the capability to resume a suspended workflow	ERA2.4.3	1	D	Software	ERA124
ERA2.4.4	The system shall provide the capability to cancel a workflow	ERA2.4.4	1	D	Software	ERA125
ERA2.4.4.1	The system shall provide the capability to rollback changes associated with records that are in a canceled workflow	ERA2.4.4	1	T	Software	LM1054
ERA2.6	The system shall manage online forms	ERA2.6	1	D	Software	ERA129
ERA2.6.1	The system shall provide the capability for users to create online forms	ERA2.6.1	1	D	Software	ERA130
ERA2.6.2	The system shall provide the capability for users to access online forms	ERA2.6.2	1	D	Software	ERA131
ERA2.6.3	The system shall check online forms for correctness	ERA2.6.3	1	T	Software	ERA132
ERA2.6.3.1	The system shall validate that the declared types of the attributes on the online form match the declared types of the associated attributes in the data store	ERA2.6.3	1	T	Software	LM1056
ERA2.6.3.2	The system shall validate spelling of text on online forms	ERA2.6.3	1	T	Software	LM1057
ERA2.6.4	The system shall provide the capability for users to update online forms	ERA2.6.4	1	D	Software	ERA133
ERA2.6.5	The system shall provide the capability for users to delete online forms	ERA2.6.5	1	D	Software	ERA134
ERA2.6.6	The system shall provide the capability for users to fill out online forms	ERA2.6.6	1	D	Software	ERA135
ERA2.6.7	The system shall provide the capability for users to approve filled out forms	ERA2.6.7	1	D	Software	ERA136
ERA2.6.8	The system shall check user supplied data on online forms	ERA2.6.8	1	T	Software	ERA137
ERA2.6.8.1	The system shall verify user supplied data on online forms for data type	ERA2.6.8	1	T	Software	LM1058

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ERA2.6.8.2	The system shall verify user supplied data on online forms for specified data ranges	ERA2.6.8	1	T	Software	LM1059
ERA2.6.8.3	The system shall verify user supplied data on online forms against pre-defined constraints	ERA2.6.8	1	T	Software	LM3142
ERA2.6.9	The system shall provide the capability for users to submit filled out online forms	ERA2.6	1	T	Software	LM1060
ERA2.7	The system shall provide the capability to notify users about workflow processes	ERA2.7	1	D	Software	ERA138
ERA2.7.1	The system shall provide the capability to associate notifications with workflows	ERA2.7.1	1	T	Software	ERA139
ERA2.7.2	The system shall provide the capability to change notifications attached to workflows	ERA2.7.2	1	D	Software	ERA140
ERA2.7.3	The systems shall provide the capability to delete notifications attached to workflows	ERA2.7.3	1	D	Software	ERA141
ERA2.8	The system shall provide the capability to assign tasks to users based on business rules	ERA2.8	1	T	Software	ERA142
ERA2.8.1	The system shall provide the capability to queue tasks	ERA2.8.1	1	T	Software	ERA143
ERA2.8.2	The system shall provide the capability for users to view queues of tasks	ERA2.8.2	1	D	Software	ERA144
ERA2.8.3	The system shall provide the capability for users to select tasks from queues of work assigned to them	ERA2.8.3	1	D	Software	ERA145
ERA2.8.4	The system shall provide the capability for a user to move a task from one queue to another queue	ERA2.8	1	T	Software	LM1061
ERA2.8.5	The system shall provide the capability for escalation at workflow steps	ERA2.8	1	T	Software	LM1062
ERA2.9.1	The system shall provide the capability to prioritize one queue over another queue	ERA2.9	1	T	Software	LM1063
ERA5	The system shall provide the capability to manage records lifecycle data	ERA5	1	T	Software	ERA204
ERA5.1	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record managed by the system	ERA5.1	1	T	Software	ERA205
ERA5.1.1	The system shall support at least three thousand lifecycle data elements for each record managed by the system	ERA5.1	1	T	Software	LM205
ERA5.2	The system shall impose no practical restriction on the number of records lifecycle data elements allowed for each record set managed by the system	ERA5.2	1	D	Software	ERA206
ERA5.2.1	The system shall support at least three thousand lifecycle data elements per record for each record set managed by the system	ERA5.2	1	D	Software	LM206





LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA5.3	The system shall provide the capability to define sets of records lifecycle data elements for sets of electronic records	ERA5.3	1	D	Software	ERA207
ERA5.4	The system shall extract records lifecycle data elements from electronic records	ERA5.4	1	D	Software	ERA208
ERA5.5	The system shall extract records lifecycle data elements from templates	ERA5.5	1	D	Software	ERA209
ERA5.5.1	The system shall extract records lifecycle data elements from Lifecycle Document Templates	ERA5.5	1	D	Software	LM209
ERA5.6	The system shall extract records lifecycle data elements from disposition agreements	ERA5.6	1	D	Software	ERA210
ERA5.7	The system shall provide the capability to define representation information for electronic records	ERA5.7	1	D	Software	ERA211
ERA5.7.1	The system shall provide the capability for the user to define representation information for electronic records in Archival Metadata Templates	ERA5.7	1	D	Software	LM211
ERA5.8	The system shall provide the capability to check that electronic records correspond to their defined representation information	ERA5.8	1	D	Software	ERA212
ERA6	The system shall provide capabilities for sample records	ERA6	1	D	Software	ERA213
ERA6.1	The system shall provide the capability to accept transfers of sample electronic records	ERA6.1	1	D	Software	ERA214
ERA6.1.1	The system shall provide the capability to accept transfers of sample electronic records, according to the Interface Requirements Specification	ERA6.1	1	D	Software	LM214
ERA6.1.2	The system shall assign a constant unique identifier to each transfer of sample electronic records	ERA6.1	1	D	Software	LM957
ERA6.2	The system shall provide access to transfers of sample records	ERA6.2	1	D	Software	ERA215
ERA6.3	The system shall provide the capability to record information resulting from review of sample electronic records	ERA6.3	1	D	Software	ERA216
ERA6.4	The system shall provide the capability to remove sample electronic records	ERA6.4	1	D	Software	ERA217
ERA6.4.1	The system shall provide the capability to destroy sample electronic records	ERA6.4.1	1	T	Software	ERA218
ERA6.4.2	The system shall provide the capability to return sample electronic records to the transferring entity	ERA6.4.2	1	A	Software	ERA219
ERA6.4.3	The system shall provide the capability to delete sample electronic records	ERA6.4	1	D	Software	LM217
ERA6.5	The system shall provide the capability to use sample electronic records to test system processes	ERA6.5	1	D	Software	ERA220
ERA6.6.2	The system shall capture the user's certification of authenticity	ERA6.6	1	D	Software, Operations	LM956
ERA7.1	The system shall provide a template repository	ERA7.1	1	T	Software	ERA224

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LM Tag	LM Requirements	R/D Trace Tag	Incr.	VM	Allocation	LM ID
ERA7.2	The system shall provide the capability for managing templates within the template repository	ERA7.2	1	D	Software	ERA225
ERA7.2.1	The system shall provide the capability for users to submit templates to the template repository	ERA7.2.1	1	D	Software	ERA226
ERA7.2.2	The system shall provide the capability to access templates in the template repository	ERA7.2.2	1	D	Software	ERA227
ERA7.2.2.1	The system shall provide the capability to output versions of a template in the template repository	ERA7.2.2	1	D	Software	LM3319
ERA7.2.2.2	The system shall provide the capability to present versions of a template in the template repository	ERA7.2.2	1	D	Software	LM227
ERA7.2.3	The system shall provide the capability to modify templates in the template repository	ERA7.2.3	1	D	Software	ERA228
ERA7.2.3.1	The system shall provide the capability to modify versions of a template in the template repository	ERA7.2.3	1	D	Software	LM228
ERA7.2.4	The system shall provide the capability to delete templates from the template repository	ERA7.2.4	1	D	Software	ERA229
ERA7.2.4.1	The system shall provide the capability to delete versions of a template in the template repository	ERA7.2.4	1	D	Software	LM229
ERA7.2.5	The system shall identify templates for which all associated electronic records have been destroyed	ERA7.2.5	1	D	Software	ERA230
ERA7.2.6	The system shall identify all electronic records associated with a template	ERA7.2	1	D	Software	LM958
ERA7.2.7	The system shall identify all templates associated with an electronic record	ERA7.2	1	D	Software	LM959
ERA7.3	The system shall provide the capability to produce draft templates	ERA7.3	1	D	Software	ERA231
ERA7.4	The system shall provide the capability for users to create new templates	ERA7.4	1	D	Software	ERA232
ERA7.4.1	The system shall provide the capability to create a new template based on an electronic record	ERA7.4.1	1	D	Software	ERA233
ERA7.4.2	The system shall provide the capability to create a new template based on a disposition agreement	ERA7.4.2	1	D	Software	ERA234
ERA7.4.3	The system shall provide the capability to create a new template based on a set of electronic records	ERA7.4.3	1	D	Software	ERA235
ERA7.4.4	The system shall provide model templates	ERA7.4.4	1	D	Software	ERA236
ERA7.4.4.1	The system shall provide the capability to create a new template based on a model template	ERA7.4.4.1	1	D	Software	ERA237
ERA7.5	The system shall provide the capability to approve templates	ERA7.5	1	D	Software	ERA238
ERA7.6	The system shall check templates	ERA7.6	1	A	Software	ERA239

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA7.6.1	The system shall check templates according to user supplied rules	ERA7.6.1	1A		Software	ERA240
ERA7.6.1.1	The system shall check templates for conformance to applicable NARA standards	ERA7.6.1.1	1A		Software	ERA241
ERA7.6.2	The system shall check templates to ensure their functionality	ERA7.6.2	1D		Software, Operations	ERA242
ERA7.6.2.1	The system shall provide the results of the template check	ERA7.6.2.1	1D		Software	ERA243
ERA7.6.2.1.1	The system shall provide the results of the template verification to the user	ERA7.6.2.1	1D		Software	LM243
ERA7.6.3	The system shall check that templates are well-formed	ERA7.6.3	1D		Software	ERA244
ERA7.6.4	The system shall check associations between templates	ERA7.6.4	1D		Software	ERA245
ERA7.7	The system shall associate templates with defined domains	ERA7.7	1D		Software	ERA246
ERA7.7.1	The system shall provide the capability to associate templates with abstract sets of electronic records	ERA7.7.1	1D		Software	ERA247
ERA7.7.2	The system shall provide the capability to associate templates with empirical sets of electronic records	ERA7.7.2	1D		Software	ERA248
ERA7.7.3	The system shall provide the capability to associate templates with transactions in the lifecycle management of records	ERA7.7.3	1D		Software	ERA249
ERA7.7.4	The system shall provide the capability to associate templates with digital data types	ERA7.7.4	1D		Software	ERA250
ERA7.7.5	The system shall provide the capability to associate templates with mappings of one data type to another	ERA7.7.5	1D		Software	ERA251
ERA7.8	The system shall provide the capability to associate templates with other system objects	ERA7.8	1D		Software	ERA252
ERA7.8.1	The system shall provide the capability to associate electronic records with registered templates	ERA7.8.1	1D		Software	ERA253
ERA7.8.2	The system shall provide the capability to associate disposition agreements with registered templates	ERA7.8.2	1D		Software	ERA254
ERA7.8.3	The system shall provide the capability to associate representation information for electronic records with registered templates	ERA7.8.3	1D		Software	ERA255
ERA7.8.4	The system shall provide the capability to associate registered templates with transactions	ERA7.8.4	1D		Software	ERA256
ERA7.8.5	The system shall provide the capability for registered templates to reference other registered templates	ERA7.8.5	1D		Software	ERA257
ERA7.8.5.1	The system shall provide the capability for approved templates to reference other approved templates	ERA7.8.5	1D		Software	LM257
ERA7.9	The system shall provide the capability for versioning of templates	ERA7.9	1D		Software	ERA258

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA7.9.1	The system shall maintain the version history of templates	ERA7.9	1	D	Software	LM961
ERA7.9.2	The system shall create a new version of an approved template to allow it to be modified	ERA7.9	1	D	Software	LM962
ERA7.9.3	The system shall assign a constant unique identifier to each version of a template	ERA7.9	1	D	Software	LM963
ERA7.10	The system shall provide the capability for hierarchies of templates	ERA7.10	1	D	Software	ERA259
ERA7.14	The system shall provide the capability for taxonomies of templates	ERA7.10	1	D	Software	LM259
ERA8.2	The system shall provide the capability to ingest data files in the digital formats in which they were received	ERA8.2	1	D	Software	ERA286
ERA8.2.1	The system shall provide the capability to store data files in the digital formats in which they were received	ERA8.2.1	1	D	Software	ERA287
ERA8.3	The system shall capture attributes of all ingested data files	ERA8.3	1	D	Software	ERA288
ERA8.3.1	The system shall capture the identifiers of all ingested data files	ERA8.3.1	1	T	Software	ERA289
ERA8.3.2	The system shall capture the data types of all ingested data files	ERA8.3.2	1	T	Software	ERA290
ERA8.3.2.1	The system shall accept data files of undeterminable data types	ERA8.3.2	1	D	Software	LM976
ERA8.3.2.2	The system shall report on electronic files of undeterminable data type	ERA8.3.2	1	D	Software	LM977
ERA8.3.2.3	The system shall store attributes extracted from ingested data files	ERA8.3.2	1	T	Software	LM978
ERA8.3.2.4	The system shall store identifiers extracted from ingested data files	ERA8.3.2	1	T	Software	LM979
ERA8.3.2.5	The system shall store data types extracted from ingested data files	ERA8.3.2	1	T	Software	LM980
ERA8.4	The system shall specify the relationship of each ingested data file with an electronic record	ERA8.4	1	T	Software	ERA291
ERA8.4.1	The system shall specify the relationship of each ingested data file with a set of electronic records	ERA8.4.1	1	T	Software	ERA292
ERA8.10	The system shall provide a registry of data type descriptors	ERA8	1	D	Software	LM996
ERA8.10.1	The system shall provide the capability to add data type descriptors to the data type registry	ERA8	1	D	Software	LM997
ERA8.10.2	The system shall provide the capability to update data type descriptors in the data type registry	ERA8	1	D	Software	LM998
ERA8.10.3	The system shall provide the capability to access data type descriptors from the data type registry	ERA8	1	D	Software	LM999
ERA8.10.4	The system shall provide the capability to delete data type descriptors from the data type registry	ERA8	1	D	Software	LM1000
ERA8.10.5	The system shall provide the capability to search data type descriptors from the data type registry	ERA8	1	D	Software	LM1001





LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA8.10.6	The system shall provide the capability to list all data type descriptors contained in the data type registry	ERA8	1	D	Software	LM1002
ERA8.10.7	The system shall maintain the version history of data type descriptors	ERA8	1	D	Software	LM1005
ERA8.10.7.1	The system shall assign a constant unique identifier to each version of each data type descriptor	ERA8	1	D	Software	LM1006
ERA8.10.7.2	The system shall create a new version of an approved data type descriptor to allow it to be modified	ERA8	1	D	Software	LM1007
ERA8.10.7.3	The system shall provide the capability to view versions of a data type descriptor	ERA8	1	D	Software	LM1008
ERA8.10.7.4	The system shall provide the capability to modify versions of a data type descriptor	ERA8	1	D	Software	LM1009
ERA8.10.7.5	The system shall provide the capability to delete versions of a data type descriptor	ERA8	1	D	Software	LM1010
ERA8.11	The system shall provide the capability to validate the purported data type of a digital item	ERA8	1	T	Software	LM1003
ERA8.12	The system shall report its degree of confidence that it has correctly determined the data type of a digital item	ERA8	1	D	Software	LM1004
ERA9.2.3	The system shall provide the capability to capture original order information from assets	ERA9.2.1	1	D	Software	LM322
ERA9.2.4	The system shall provide the capability to use Archival Metadata Templates to determine the original order	ERA9.2.2	1	D	Software	LM323
ERA9.3.1	The system shall provide the capability to recreate the original order of electronic records as defined in Transfer Agreements	ERA9.3	1	D	Software	LM324
ERA9.11	The system shall require that an original order be defined for any set of records in the system	ERA9.11	1	D	Software	ERA337
ERA10	The system shall store assets	ERA10	1	D	Hardware, Software	ERA340
ERA10.1	The system shall provide the capability to store copies of electronic records	ERA10.1	1	D	Hardware, Software	ERA341
ERA10.1.1	The system shall identify the version of the electronic record as transferred from the transferring entity	ERA10.1.1	1	D	Software	ERA342
ERA10.1.3	The system shall provide the capability to replace copies with new versions	ERA10.1.3	1	D	Software	ERA344
ERA10.1.3.1	The system shall provide the capability to replace a copy of an electronic record with an updated version of that same electronic record	ERA10.1.3	1	D	Software	LM344

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ERA10.1.4	The system shall produce copies of all assets for off-site storage	ERA10.1.4	1	D	Hardware, Software	ERA345
ERA10.1.4.1	The system shall store a duplicate copy of an asset at another ERA site	ERA10.1.4	1	D	Hardware, Software	LM345
ERA10.2	The system shall provide the capability to manage assets	ERA10.2	1	D	Hardware, Software	ERA346
ERA10.2.1	The system shall provide the capability to export self-describing media containing assets from the ERA data storage repository	ERA10.2.1	1	D	Hardware, Software	ERA347
ERA10.2.2	The system shall provide the capability to import self-describing media containing electronic records into the ERA primary data storage repository	ERA10.2.2	1	D	Hardware, Software	ERA348
ERA10.2.3	The system shall provide the capability to recover any electronic record in the event of catastrophic loss	ERA10.2.3	1	D	Software	ERA349
ERA10.2.3.1	The system shall provide the capability to recover an electronic record by retrieving a copy from self-describing media	ERA10.2.3	1	D	Software	LM1117
ERA10.2.4	The system shall provide the capability for location-transparent access to all of the assets it contains	ERA10.2.4	1	D	Software	ERA350
ERA10.2.5	The system shall maintain an inventory of all of the assets it contains	ERA10.2.5	1	D	Software	ERA351
ERA10.2.5.1	The system shall provide the capability to report on its inventory	ERA10.2.5.1	1	D	Software	ERA352
ERA10.2.5.2	The system shall maintain an archive file directory defining the physical locations of all electronic records within the system	ERA10.2.5.2	1	D	Software	ERA353
ERA10.2.5.3	The system shall provide the capability to recover the archive electronic file directory	ERA10.2.5.3	1	D	Software	ERA354
ERA10.2.5.3.1	The system shall provide the capability to backup the archive electronic file directory	ERA10.2.5.3	1	D	Software	LM1119
ERA10.2.5.3.2	The system shall provide the capability to recover the archive electronic file directory from a backup copy	ERA10.2.5.3	1	D	Software	LM1120
ERA10.2.5.3.3	The system shall provide the capability to recover the archive electronic file directory from the archive media	ERA10.2.5.3	1	D	Software	LM3324
ERA10.2.6	The system shall provide the capability to track information about the movement of electronic files	ERA10.2.6	1	D	Software	ERA355
ERA10.2.7	The system shall provide the capability to check the inventory of the archive against the archive electronic file directory	ERA10.2.7	1	D	Software	ERA356
ERA10.2.7.1	The system shall provide the capability to identify differences between the inventory of the archive and the archive electronic file directory	ERA10.2.7	1	D	Software	LM1121

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA10.2.7.2	The system shall provide the capability to report on differences between the inventory of the archive and the archive electronic file directory	ERA10.2.7	1	D	Software	LM3145
ERA11	The system shall provide automated media handling	ERA11	1	D	Hardware	ERA357
ERA11.1.1	The system shall provide a physical media tracking system	ERA11.1.1	1	D	Hardware	ERA358
ERA11.1.1	The system shall track the location of each piece of removable archival storage media from the time it is introduced into the system until it is removed from ERA	ERA11.1.1	1	D	Hardware, Software	LM1122
ERA11.1.2	The system shall maintain information on the current location of removable media	ERA11.1.1	1	D	Software	LM1123
ERA11.1.3	The system shall provide a tracking system for removable archival storage media	ERA11.1.1	1	D	Hardware	LM358
ERA11.2	The system shall provide the capability to print archive media identification labels	ERA11.2	1	D	Hardware	ERA359
ERA11.2.1	The system shall provide the capability to print identification labels for removable archive media	ERA11.2	1	D	Hardware	LM359
ERA11.3	The system shall provide the capability for automated access to assets stored on removable archive media	ERA11.3	1	D	Hardware	ERA360
ERA12.1	The system shall provide the capability for automated movement of electronic records to different media to accommodate new technology	ERA12.1	1	A	Hardware, Software	ERA362
ERA12.2	The system shall not modify electronic records to accommodate physical storage media	ERA12.2	1	T	Software	ERA363
ERA12.2.1	The system shall provide the capability for the user to allow lossless hardware compression	ERA12.2	1	T	Software	LM1125
ERA12.3	The system shall use storage media that is self-describing	ERA12.3	1	D	Software	ERA364
ERA12.3.1	The system shall use archive storage media that is self-describing	ERA12.3	1	D	Software	LM364
ERA12.4	The system shall provide tools for recovering electronic records from failed media	ERA12.4	1	D	Software	ERA365
ERA12.4.1	The system shall provide the capability to recover electronic records from failed media	ERA12.4	1	D	Software	LM1126
ERA12.4.2	The system shall provide the capability to restore an electronic record from a copy	ERA12.4	1	D	Software	LM1127
ERA12.5	The system shall store electronic data files such that an individual file does not span media volumes	ERA12.5	1	T	Hardware, Software	ERA366
ERA12.5.1	The system shall report to a user when an electronic record does not fit on a single storage media volume	ERA12.5	1	D	Software	LM1128

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA12.5.2	The system shall provide the capability for a user to allow the system to store an electronic record on multiple removable storage media when that record does not fit on a single storage medium	ERA12.5	1	D	Software	LM1129
ERA12.5.3	The system shall include references to other media volumes in the self-describing storage media when an electronic record spans multiple media volumes	ERA12.5	1	D	Software	LM3325
ERA12.6	The system shall provide active safeguards to protect against archive media degradation	ERA12.6	1	A	Hardware	ERA367
ERA12.7	The system shall statistically monitor the raw Bit Error Rate (BER) of storage media in the archive	ERA12.7	1	T	Hardware	ERA368
ERA12.8	The system shall statistically monitor the corrected Bit Error Rate (BER) of storage media in the archive	ERA12.8	1	T	Hardware	ERA369
ERA12.9.1	The system shall provide the capability to refresh removable archive media	ERA12.9	1	I	Software, Operations	LM1130
ERA12.9.2	The system shall provide the capability to determine when media has degraded	ERA12.9	1	I	Hardware	LM1131
ERA12.9.5	The system shall provide the capability to determine when the media has failed	ERA12.9	1	I	Hardware	LM1134
ERA12.10	The system shall manage copying of archive media	ERA12.10	1	D	Software	ERA371
ERA12.10.1	The system shall provide the capability for copying media used in the archive to another media	ERA12.10	1	D	Software	LM1135
ERA12.10.2	The system shall provide the capability to export copied media	ERA12.10	1	D	Software, Operations	LM1136
ERA12.11	The system shall provide the capability to use archive media that is capable of being manually mounted	ERA12.11	1	D	Hardware	ERA372
ERA13.1	The system shall provide the capability to manage electronic records according to the ownership of the electronic record	ERA13.1	1	D	Software	ERA374
ERA13.1.1	The system shall provide the capability to manage security for electronic records according to the current ownership of the electronic record	ERA13.1	1	D	Software	LM1065
ERA13.1.2	The system shall provide the capability to manage security for electronic records according to access policies	ERA13.1	1	D	Software	LM1066
ERA13.1.3	The system shall provide the capability to manage security for electronic records according to the ownership of the electronic record	ERA13.1	1	D	Software	LM374
ERA13.2	The system shall provide the capability to manage electronic records according to the access restrictions of the record	ERA13.2	1	D	Hardware, Software	ERA375

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA13.3	The system shall provide the capability to recognize the access restrictions of electronic records as applied by the transferring entity	ERA13.3	1 D		Software	ERA378
ERA13.4	The system shall recognize multiple access restriction levels defined by NARA	ERA13.4	1 D		Software	ERA379
ERA13.5	The system shall provide the capability to parse the content of assets to identify potentially access restricted content	ERA13.5	1 D		Software	ERA380
ERA13.5.1	The system shall make recommendations as to the potential access restriction level of assets	ERA13.5.1	1 D		Software	ERA381
ERA13.5.1.1	The system shall make access restriction level recommendations based on NARA-defined rules	ERA13.5.1.1	1 D		Software	ERA382
ERA13.5.1.1.1	The system shall provide users the capability to update access restriction determination rules	ERA13.5.1.1	1 D		Software	LM1039
ERA13.5.1.1.2	The system shall provide users the capability to delete access restriction determination rules	ERA13.5.1.1	1 D		Software	LM1040
ERA13.5.1.1.3	The system shall provide users the capability to create access restriction determination rules	ERA13.5.1.1	1 D		Software	LM382
ERA13.5.1.2	The system shall make access restriction level recommendations based on comparing assets contents with defined lists of terms	ERA13.5.1.2	1 D		Software	ERA383
ERA13.5.1.2.1	The system shall provide users the capability to update access restriction determination content terms	ERA13.5.1.2	1 D		Software	LM1041
ERA13.5.1.2.2	The system shall provide users the capability to delete access restriction determination content terms	ERA13.5.1.2	1 D		Software	LM1042
ERA13.5.1.3	The system shall make access restriction recommendations based on the results of comparing terms and executing rules against assets	ERA13.5.1	1 D		Software	LM1045
ERA13.5.2	The system shall provide the capability to report the results of parsing an asset for potentially access restricted content	ERA13.5.2	1 D		Software	ERA384
ERA13.5.2.1	The system shall indicate any content it identifies as potentially access restricted	ERA13.5.2.1	1 D		Software	ERA385
ERA13.5.2.2	The system shall report on the basis on which access restriction recommendations were made	ERA13.5.2.2	1 D		Software	ERA386
ERA13.5.2.3	The system shall provide the capability to summarize the results of parsing an asset for potentially access restricted content	ERA13.5.2.3	1 D		Software	ERA387
ERA13.5.2.3.1	The system shall provide the capability to display detailed results of parsing an asset for potentially access restricted content	ERA13.5.2.3	1 D		Software	LM1046
ERA13.5.2.4	The system shall provide the capability to summarize the results of parsing a set of assets for potentially access restricted content	ERA13.5.2.4	1 D		Software	ERA388

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA13.5.2.4.1	The system shall provide the capability to display detailed results of parsing a set of assets for potentially access restricted content	ERA13.5.2.4	1	D	Software	LM1047
ERA13.5.3	The system shall provide the capability for users to confirm the results of examination of assets for potentially access restricted content	ERA13.5.3	1	D	Software	ERA389
ERA13.5.3.1	The system shall provide the capability for users to override any access restriction recommendation made by the system	ERA13.5.3.1	1	D	Software	ERA390
ERA13.5.3.1.1	The system shall provide the capability for users to override the annotation of content as potentially access restricted	ERA13.5.3.1.1	1	D	Software	ERA391
ERA13.5.3.1.2	The system shall provide the capability for users to override the basis for annotating of content as potentially access restricted	ERA13.5.3.1.2	1	D	Software	ERA392
ERA13.5.3.2	The system shall provide the capability for users to accept an access restriction recommendation made by the system	ERA13.5.3	1	D	Software	LM1048
ERA13.5.4	The system shall compare access restriction determination terms against assets	ERA13.5.1	1	D	Software	LM1043
ERA13.5.5	The system shall execute access restriction determination rules against assets	ERA13.5.1	1	T	Software	LM1044
ERA13.6	The system shall provide the capability for users to designate the potential access restrictions of assets	ERA13.6	1	D	Software	ERA393
ERA13.6.1	The system shall provide the capability for users to annotate any portion of the content of an asset as potentially access restricted	ERA13.6.1	1	D	Software	ERA394
ERA13.6.2	The system shall provide the capability for users to annotate the content of an asset as potentially access restricted using any defined level of access restriction	ERA13.6.2	1	D	Software	ERA395
ERA13.6.3	The system shall provide the capability for users to indicate the basis for annotating content as potentially access restricted	ERA13.6.3	1	D	Software	ERA396
ERA13.6.4	The system shall provide the capability for users to remove potential access restriction annotations	ERA13.6.4	1	D	Software	ERA397
ERA13.7	The system shall segregate electronic records during ingest based on potential access restrictions	ERA13.7	1	D	Operations	ERA398
ERA13.7.1	The system shall separate incoming assets of undetermined access restrictions from the rest of ERA's assets until the access restrictions of the incoming assets can be determined	ERA13.7.1	1	D	Operations	ERA399
ERA13.7.2	The system shall store assets that have been identified as potentially access restricted in a separate area pending review	ERA13.7.2	1	D	Operations	ERA400
ERA13.7.3	The system shall provide the capability to segregate electronic records based upon access restrictions	ERA13.7	1	D	Operations	LM3383

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA13.8	The system shall process electronic records in environments appropriate to their stated access restrictions	ERA13.8	1	I	Operations	ERA401
ERA13.9	The system shall prohibit unauthorized alteration of electronic records	ERA13.9	1	T	Software	ERA402
ERA13.10	The system shall prohibit unauthorized alteration of system data	ERA13.10	1	T	Software	ERA403
ERA13.11	The system shall provide the capability for non-repudiation at the electronic record level	ERA13.11	1	D	Software	ERA404
ERA13.12	The system shall store accessioned electronic records in a non-encrypted state	ERA13.12	1	T	Software, Operations	ERA405
ERA13.13	The system shall provide the capability for configurable data access control schemes	ERA13.13	1	I	Software	ERA406
ERA13.13.1	The system shall assign access control privileges according to a user's identity	ERA13.13.1	1	D	Software	ERA407
ERA13.13.2	The system shall provide the capability for user group access control	ERA13.13.2	1	D	Software	ERA408
ERA13.13.3	The system shall provide the capability to determine a user's identity through the use of strong authentication technology	ERA13.13.3	1	D	Software	ERA409
ERA13.13.4	The system shall control access to electronic records according to access restrictions	ERA13.13.4	1	D	Software	ERA410
ERA13.13.5	The system shall control access to electronic records according to ownership rights	ERA13.13.5	1	D	Software	ERA411
ERA14	The system shall provide security for itself	ERA14	1	T	Software	ERA412
ERA14.1	The system shall prevent unauthorized system access	ERA14.1	1	T	Hardware, Software, Operations	ERA413
ERA14.1.1	The system shall prevent unauthorized physical access to the data-center	ERA14.1	1	T	Hardware, Operations	LM1070
ERA14.1.2	The system shall prevent unauthorized network access	ERA14.1	1	T	Software	LM1071
ERA14.1.3	The system shall prevent unauthorized access to services	ERA14.1	1	T	Software	LM1072
ERA14.1.4	The system shall prevent unauthorized access to data	ERA14.1	1	T	Software	LM3146
ERA14.1.5	The system shall prevent unauthorized system access in accordance with the Security Plan	ERA14.1	1	T	Hardware, Software, Operations	LM413
ERA14.2	The system shall provide intrusion deterrence	ERA14.2	1	T	Hardware, Software	ERA414
ERA14.2.1	The system shall provide deterrence to physical intrusion to the data-center	ERA14.2	1	T	Hardware, Operations	LM1073
ERA14.2.2	The system shall provide deterrence to network intrusion	ERA14.2	1	T	Software	LM1074

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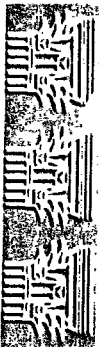
LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA14.2.3	The system shall provide deterrence to service intrusion	ERA14.2	1T		Software	LM1075
ERA14.2.4	The system shall provide deterrence to data intrusion	ERA14.2	1T		Software	LM3147
ERA14.3	The system shall provide intrusion detection	ERA14.3	1T		Software	ERA415
ERA14.3.1	The system shall identify occurrences of attempted intrusions	ERA14.3.1	1T		Hardware, Software	ERA416
ERA14.3.1.1	The system shall identify occurrences of unsuccessful physical intrusion to the data-center	ERA14.3.1	1T		Hardware, Operations	LM1076
ERA14.3.1.2	The system shall identify occurrences of unsuccessful network intrusion	ERA14.3.1	1T		Hardware	LM1077
ERA14.3.1.3	The system shall identify occurrences of unsuccessful service intrusion	ERA14.3.1	1T		Software	LM1078
ERA14.3.1.4	The system shall identify occurrences of unsuccessful data intrusion	ERA14.3.1	1T		Software	LM3148
ERA14.3.1.5	The system shall identify occurrences of unsuccessful intrusions	ERA14.3.1	1T		Hardware, Software	LM416
ERA14.3.2	The system shall identify occurrences of successful intrusions	ERA14.3.2	1T		Hardware, Software	ERA417
ERA14.3.2.1	The system shall identify occurrences of successful physical intrusion to the data-center	ERA14.3.2	1T		Hardware, Operations	LM1079
ERA14.3.2.2	The system shall identify occurrences of successful network intrusion	ERA14.3.2	1T		Hardware	LM1080
ERA14.3.2.3	The system shall identify occurrences of successful service intrusion	ERA14.3.2	1T		Software	LM1081
ERA14.3.2.4	The system shall identify occurrences of successful data intrusion	ERA14.3.2	1T		Software	LM3149
ERA14.4	The system shall provide data confidentiality of all potentially access restricted information that is exchanged between the system and any other system	ERA14.4	1D		Hardware	ERA418
ERA14.4.1	The system shall provide data confidentiality of potentially access restricted information that is exchanged between the system and systems that comply with the the Interface Requirements Specification	ERA14.4	1D		Hardware	LM418
ERA14.5	The system shall provide virus detection	ERA14.5	1T		Software	ERA419
ERA14.6	The system shall provide virus elimination	ERA14.6	1T		Software	ERA420
ERA14.6.1	The system shall provide the capability to quarantine files where removing the virus would damage the file	ERA14.6	1T		Software	LM1049
ERA14.6.2	The system shall provide the capability to remove viruses where doing so will not damage the file	ERA14.6	1T		Software	LM420
ERA14.7	The system shall operate in accordance with applicable security guidance and rules	ERA14.7	1I		Software	ERA421
ERA14.7.1	The system shall operate in accordance with the Federal Information Security Management Act of 2002 (FISMA)	ERA14.7.1	1I		Operations	ERA422

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA14.7.2	The system shall operate in accordance with the NARA Policy Directive, NARA 804, Information Technology Systems Security Handbook	ERA14.7.2	1	I	Operations	ERA423
ERA14.8	The system shall employ strong authentication techniques when exchanging data with other systems	ERA14.8	1	D	Software	ERA424
ERA14.8.1	The system shall employ strong authentication techniques when exchanging data with other systems that can accommodate strong authentication according to the Interface Requirements Specification	ERA14.8	1	D	Software	LM424
ERA14.9	The system shall provide the capability for backup of ERA	ERA14.9	1	D	Software	ERA425
ERA14.9.1	The system shall provide the capability for the backup of all COTS products files required to re-establish ERA	ERA14.9.1	1	D	Software	ERA426
ERA14.9.2	The system shall provide the capability for the backup of all application files required to rebuild ERA	ERA14.9.2	1	D	Software	ERA427
ERA14.9.3	The system shall provide the capability for the backup of all configuration support files required to rebuild ERA	ERA14.9.3	1	D	Software	ERA428
ERA14.9.4	The system shall provide the capability for the backup of dynamically persisted system data required to rebuild ERA	ERA14.9	1	D	Software	LM3384
ERA14.10	The system shall control access to services based on user privileges	ERA14.10	1	D	Software	ERA429
ERA14.10.1	The system shall control access to service privileges according to Boolean combinations of group membership	ERA14.10.1	1	D	Software	ERA430
ERA14.11	The system shall control access to records lifecycle data based on a user's access privileges	ERA14.11	1	D	Software	ERA431
ERA14.12	The system shall provide the capability to change a user's access privileges	ERA14.12	1	D	Software	ERA432
ERA14.12.1	The system shall provide the capability to grant an individual access privilege for a user	ERA14.12	1	D	Software	LM1082
ERA14.12.2	The system shall provide the capability to change an individual access privilege for a user	ERA14.12	1	D	Software	LM1083
ERA14.12.3	The system shall provide the capability to revoke all access privileges for a user	ERA14.12	1	D	Software	LM1084
ERA14.13	The system shall provide the capability to associate user privilege sets with sets of electronic records	ERA14.13	1	D	Software	ERA433
ERA14.14	The system shall provide the capability to manage access privileges for groups of users	ERA14.14	1	D	Software	ERA434
ERA14.14.1	The system shall provide the capability for a user to be a member of multiple groups	ERA14.14.1	1	D	Software	ERA435

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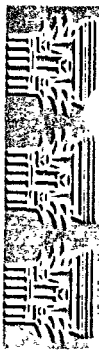
LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA14.14.2	The system shall provide the capability to change access privileges for an entire group of users	ERA14.14.2	1	D	Software	ERA436
ERA14.14.3	The system shall apply access privileges for users who are members of multiple groups according to policy	ERA14.14	1	T	Software	LM1139
ERA14.15	The system shall provide the capability for recovery of ERA	ERA14.15	1	T	Operations	ERA437
ERA14.15.1	The system shall provide the capability to recover all COTS products files required to re-establish ERA	ERA14.15.1	1	T	Operations	ERA438
ERA14.15.1.1	The system shall provide the capability to re-build COTS product files to the state necessary to re-establish ERA according to performance specification requirements for the ERA system	ERA14.15.1	1	T	Operations	LM438
ERA14.15.2	The system shall provide the capability to recover all application files required to re-establish ERA	ERA14.15.2	1	T	Operations	ERA439
ERA14.15.2.1	The system shall provide the capability to re-build application files to the state necessary to re-establish ERA according to performance specification requirements for the ERA	ERA14.15.2	1	T	Operations	LM439
ERA14.15.3	The system shall provide the capability to recover all configuration support files required to re-establish ERA	ERA14.15.3	1	T	Operations	ERA440
ERA14.15.3.1	The system shall provide the capability to re-build configuration support files to the state necessary to re-establish ERA according to performance specification requirements for the ERA system	ERA14.15.3	1	T	Operations	LM440
ERA14.15.4	The system shall provide the capability to recover from a hardware failure as required to re-establish ERA	ERA14.15	1	D	Operations	LM1141
ERA14.15.5	The system shall provide the capability to recover from a physical site outage as required to re-establish ERA	ERA14.15	1	I	Operations	LM1142
ERA14.15.6	The system shall provide the capability to recover network services required to re-establish ERA	ERA14.15	1	I	Operations	LM1143
ERA15	The system shall accept all types of electronic records	ERA15	1	A	Software	ERA441
ERA15.1	The system shall accept all electronic record types	ERA15.1	1	A	Software	ERA442
ERA15.1.1	The system shall accept all data types in which electronic records are written	ERA15.1.1	1	A	Software	ERA443
ERA15.1.1.1	The system shall ingest electronic records independent of their data type	ERA15.1.1	1	A	Software	LM443
ERA15.1.2	The system shall ingest all electronic record types	ERA15.1	1	A	Software	LM442
ERA15.2	The system shall accept electronic records that are composed of more than one digital component	ERA15.2	1	D	Software	ERA444
ERA15.2.1	The system shall retain the relationships between the digital components of an electronic record	ERA15.2.1	1	D	Software	ERA445

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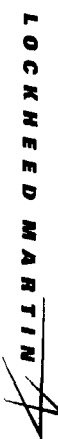




LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA15.3	The system shall provide the capability to identify the data type of any electronic record	ERA15.3	1	D	Software	ERA446
ERA15.4	The system shall provide the capability to identify the data type of any component of an electronic record	ERA15.4	1	T	Software	ERA447
ERA15.4.1	The system shall provide the capability to identify the data type of a digital component of an electronic record	ERA15.4	1	T	Software	LM447
ERA16	The system shall provide the capability to transfer electronic records to ERA	ERA16	1	D	Software	ERA448
ERA16.1	The system shall accept electronic records transferred via physical media	ERA16.1	1	D	Operations	ERA449
ERA16.1.1	The system shall provide the capability to track the location of transfer media containing electronic records prior to the ingest of the records into ERA	ERA16.1.1	1	D	Software	ERA450
ERA16.1.2	The system shall provide the capability to create records lifecycle metadata from media inventory data	ERA16.1	1	T	Software	LM1144
ERA16.1.3	The system shall provide the capability to copy the files from supplied physical media into the ERA system	ERA16.1	1	T	Hardware	LM1145
ERA16.1.4	The system shall provide the capability to prioritize processing of physical media based upon transfer request	ERA16.1	1	T	Operations	LM1146
ERA16.1.5	The system shall provide the capability to prioritize processing of physical media based upon media type	ERA16.1	1	T	Operations	LM3150
ERA16.1.6	The system shall provide the capability to store physical media according to transfer agreement	ERA16.1	1	T	Operations	LM1147
ERA16.1.7	The system shall provide the capability to transfer physical media content to another media type	ERA16.1	1	T	Hardware	LM1148
ERA16.1.8	The system shall provide the capability to indicate that electronic records are ready for ingest into ERA	ERA16.1	1	T	Software	LM1149
ERA16.1.9	The system shall provide the capability to return the physical media to the transferring entity	ERA16.1	1	D	Operations	LM1150
ERA16.1.10	The system shall provide the capability to destroy the physical media according to the transfer agreement	ERA16.1	1	I	Operations	LM1151
ERA16.2	The system shall provide the capability to accept transfers electronically	ERA16.2	1	D	Software	ERA451
ERA16.2.1	The system shall provide the capability for NARA-initiated transfers	ERA16.2.1	1	D	Software	ERA452
ERA16.2.1.1	The system shall provide the capability to accept NARA-initiated transfers, in accordance with the Interface Requirements Specification	ERA16.2.1	1	D	Software	LM452
ERA16.2.2	The system shall provide the capability for transferring entity initiated transfers	ERA16.2.2	1	D	Software	ERA453
ERA16.2.2.1	The system shall provide the capability to accept transferring entity initiated transfers, in accordance with the Interface Requirements Specification	ERA16.2.2	1	D	Software	LM453

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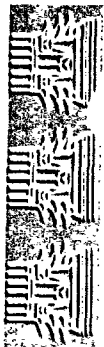
LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA16.2.3	The system shall provide the capability for a user to cancel a transfer in progress	ERA16.2	1	D	Software	LM3326
ERA16.2.4	The system shall provide a user with an estimate of the time required to complete a transfer	ERA16.2	1	D	Software	LM3327
ERA16.3	The system shall confirm the success of the transfer	ERA16.3	1	T	Software	ERA454
ERA16.3.1	The system shall check electronic records contained in a transfer	ERA16.3.1	1	D	Software	ERA455
ERA16.3.1.1	The system shall verify the data files associated with electronic records contained in a transfer	ERA16.3.1	1	D	Software	LM455
ERA16.3.2	The system shall report discrepancies found with the transfer	ERA16.3.2	1	D	Software	ERA456
ERA16.3.2.1	The system shall report discrepancies found between the transfer and the transfer agreement	ERA16.3.2	1	D	Software	LM456
ERA16.3.3	The system shall apply Error Detection and Correction (EDAC) technology to transfers	ERA16.3.3	1	T	Software	ERA457
ERA16.3.4	The system shall provide the capability to verify that transfer media contents match the transfer agreement	ERA16.3	1	D	Software	LM1152
ERA16.3.5	The system shall confirm the success of the transfer to the sending party, in accordance with the Interface Requirements Specification	ERA16.3	1	T	Software	LM454
ERA16.4	The system shall use templates to check that the transfer contained what was specified in the disposition agreement	ERA16.4	1	T	Software	ERA458
ERA16.4.1	The system shall check that the transfer contains all files identified in the disposition agreement	ERA16.4.1	1	T	Software	ERA459
ERA16.4.2	The system shall check the data type of each file in the transfer	ERA16.4.2	1	T	Software	ERA460
ERA16.6	The system shall provide the capability for inclusion of information about sets of records in a transfer	ERA16.6	1	D	Software	ERA465
ERA16.6.1	The system shall provide the capability for inclusion of information about the arrangement of sets of records in a transfer	ERA16.6.1	1	D	Software	ERA466
ERA16.6.1.1	The system shall provide the capability for inclusion of information about the arrangement of sets of records in a transfer, in accordance with the Interface Requirements Specification	ERA16.6.1	1	D	Software	LM466
ERA16.6.3	The system shall provide the capability for inclusion of information about sets of records in a transfer, in accordance with the Interface Requirements Specification	ERA16.6	1	D	Software	LM465
ERA16.7	The system shall provide the capability to transfer electronic records to ERA, in accordance with the Interface Requirements Specification	ERA16	1	D	Software	LM448

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA19.1	The system shall provide the capability for the user to select the characteristics of a search against the assets it contains	ERA19.1	1D		Software	ERA519
ERA19.1.1	The system shall provide the capability for the user to enter the criteria for the search	ERA19.1.1	1D		Software	ERA520
ERA19.1.5	The system shall provide the capability to search by accession number	ERA19.1.5	1D		Software	ERA524
ERA19.1.5.1	The system shall provide the capability for a free text search against accession number	ERA19.1.5	1D		Software	LM524
ERA19.1.6	The system shall provide the capability to search by transferring entity	ERA19.1.6	1D		Software	ERA525
ERA19.1.9	The system shall provide the capability to search by asset type	ERA19.1.9	1D		Software	ERA528
ERA19.1.16	The system shall provide the capability for keyword searching	ERA19.1.16	1D		Software	ERA535
ERA19.1.17	The system shall provide the capability for exact phrase searching	ERA19.1.17	1D		Software	ERA536
ERA19.1.19	The system shall provide the capability for Boolean searching	ERA19.1.19	1D		Software	ERA538
ERA19.1.19.1	The system shall provide the capability to use Boolean operators within search criteria	ERA19.1.19	1D		Software	LM538
ERA19.1.24	The system shall provide the capability to use wildcard characters in searches	ERA19.1.24	1D		Software	ERA543
ERA19.1.25	The system shall provide the capability for searching records lifecycle data	ERA19.1.25	1D		Software	ERA544
ERA19.1.29	The system shall provide the capability to search by transfer	ERA19.1.29	1D		Software	ERA548
ERA19.3.5	The system shall provide the capability to navigate through all levels of records lifecycle data while searching	ERA19.3.5	1D		Software	ERA555
ERA19.3.5.1	The system shall provide the capability to navigate from one level of records lifecycle data to related levels of records lifecycle data	ERA19.3.5	1D		Software	LM555
ERA19.3.6	The system shall provide the capability to navigate through all levels of sets of records while searching	ERA19.3.6	1D		Software	ERA556
ERA19.5	The system shall provide the capability for the user to select the search complexity level, from simple single-variable searches to multi-variable complex searches	ERA19.5	1D		Software	ERA561
ERA19.5.1	The system shall provide the capability for the user to perform a simple search using single variable searches	ERA19.5	1D		Software	LM1314
ERA19.5.2	The system shall provide the capability for the user to perform a search using multiple variables	ERA19.5	1D		Software	LM1315
ERA19.5.3	The system shall use a default complexity level if the user has not selected a complexity level	ERA19.5	1D		Software	LM1316
ERA19.6.1.2	The system shall stop a search process when it exceeds the limit for its run time	ERA19.6.1	1D		Software	LM1318

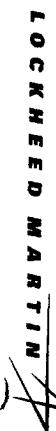


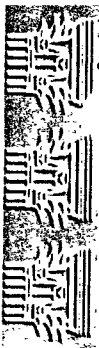
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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA19.6.2	The system shall provide the capability for users to adjust search run time limits	ERA19.6.2	1	D	Software	ERA564
ERA19.6.2.1	The system shall assign a default value as the run time limit for a search if no other value is provided	ERA19.6.2	1	D	Software	LM1319
ERA19.6.2.3	The system shall provide the capability to assign default and maximum search run time limits to users and groups of users	ERA19.6.2	1	D	Software	LM1321
ERA19.7	The system shall provide information to the user while the search is in progress	ERA19.7	1	D	Software	ERA565
ERA19.7.2	The system shall display the search parameters selected by the user	ERA19.7.2	1	D	Software	ERA567
ERA19.7.2.1	The system shall display the search criteria selected by the user while the search is in progress	ERA19.7.2	1	D	Software	LM567
ERA19.7.4	The system shall notify the user when the search is complete	ERA19.7.4	1	D	Software	ERA569
ERA19.7.4.1	The system shall notify the user when a search ends before it is complete	ERA19.7.4	1	D	Software	LM1324
ERA19.8	The system shall present the search results set to the user	ERA19.8	1	D	Software	ERA570
ERA19.8.1	The system shall display a search results set that includes all assets meeting the search criteria	ERA19.8.1	1	D	Software	ERA571
ERA19.8.1.1	The system shall display a message when the result set is empty	ERA19.8.1	1	D	Software	LM1325
ERA19.8.1.2	The system shall display a search results set that includes references to all assets meeting the search criteria	ERA19.8.1	1	D	Software	LM571
ERA19.8.2	The system shall display an explanation for the reason for withholding assets	ERA19.8.2	1	D	Software	ERA572
ERA19.8.2.1	The system shall exclude from display withheld assets	ERA19.8.2	1	D	Software	LM1326
ERA19.8.2.2	The system shall provide the capability to display an explanation for the reason for withholding assets	ERA19.8.2	1	D	Software	LM572
ERA19.8.4	The system shall display the total number of results in the result set returned by the search	ERA19.8.4	1	D	Software	ERA574
ERA19.8.4.1	The system shall display the total number of results in the result set returned by the search, excluding assets whose existence cannot be disclosed to the requesting user	ERA19.8.4	1	D	Software	LM574
ERA19.8.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set	ERA19.8.5	1	D	Software	ERA575
ERA19.8.5.1	The system shall use a default value for the quantity of search results to be presented in the results set if the user has not selected one	ERA19.8.5	1	D	Software	LM1327
ERA19.8.5.2	The system shall provide the capability to limit the quantity of search results in the result set	ERA19.8.5	1	D	Software	LM1328

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA19.8.5.3	The system shall provide the capability to create a default value for the quantity of search results to be presented in the result set	ERA19.8.5	1	D	Software	LM3332
ERA19.8.5.4	The system shall provide the capability to update the default value for the quantity of search results to be presented in the result set	ERA19.8.5	1	D	Software	LM3333
ERA19.8.5.5	The system shall provide the capability for the user to select the quantity of search results to be presented in the results set at one time	ERA19.8.5	1	D	Software	LM575
ERA19.8.6	The system shall provide the capability for users to select the order in which the result set is presented	ERA19.8.6	1	D	Software	ERA576
ERA19.8.6.1	The system shall order the result set by a default order if the user has not selected a presentation order	ERA19.8.6	1	D	Software	LM1329
ERA19.8.6.2	The system shall provide the capability for a user to select the order in which the result set is presented from a finite set of choices	ERA19.8.6	1	D	Software	LM576
ERA19.8.8.1	The system shall present the search results set at a default level of detail if no level has been selected by the user	ERA19.8.8	1	D	Software	LM1330
ERA19.9.1	The system shall provide the capability to search within the result set returned by the initial search	ERA19.9.1	1	D	Software	ERA581
ERA19.9.1.2	The system shall provide the capability to refine a search using any search criteria available in the system	ERA19.9.1.2	1	D	Software	ERA583
ERA19.9.1.3	The system shall provide the capability to search within the result set returned by the preceding search	ERA19.9.1	1	D	Software	LM581
ERA19.9.2	The system shall provide the capability to stop a search in progress in order to refine the search	ERA19.9.2	1	D	Software	ERA584
ERA19.9.2.1	The system shall provide the capability to refine a search once it has been stopped	ERA19.9.2	1	D	Software	LM1331
ERA19.10	The system shall provide the capability for the user to select the assets they wish to access from among the search results set	ERA19.10	1	D	Software	ERA585
ERA20	The system shall provide access to the assets it contains	ERA20	1	D	Software	ERA598
ERA20.1.1.3	The system shall provide the capability to add support for new presentation formats	ERA20.1	1	T	Software	LM1362
ERA20.1.3	The system shall provide the capability to specify the hardware and software requirements to the user to present a record	ERA20.1	1	D	Software	LM1364
ERA20.1.4	The system shall provide the capability to present text	ERA20.1	1	D	Software	LM1365
ERA20.1.5	The system shall provide the capability to present still images	ERA20.1	1	D	Software	LM1366
ERA20.2	The system shall provide the capability for users to request copies of assets	ERA20.2	1	D	Software	ERA600

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA20.3.3	The system shall be extensible to output assets based on additional digital adaptations	ERA20.3	1	A	Software	LM3334
ERA20.4.1	The system shall provide the capability to output assets independently of the hardware with which they were created	ERA20.4.1	1	D	Software	ERA607
ERA20.4.2.1	The system shall provide the capability to define device specifications necessary to electronically present a record in the format chosen by a user	ERA20.4.2	1	D	Software	LM1343
ERA20.5.1	The system shall provide the capability to output assets independently of the software with which they were created	ERA20.5.1	1	D	Software	ERA610
ERA20.6	The system shall provide the capability to access an entire electronic record	ERA20.6	1	D	Software	ERA612
ERA20.7	The system shall provide the capability to access a set of electronic records	ERA20.7	1	D	Software	ERA613
ERA20.8	The system shall provide the capability to access a portion of an electronic record	ERA20.8	1	D	Software	ERA614
ERA20.9	The system shall provide the capability to access all digital components of an electronic record	ERA20.9	1	D	Software	ERA615
ERA20.10.4	The system shall provide the capability to output selected asset formats via telecommunications	ERA20.10.4	1	D	Software	ERA620
ERA20.11.6	The system shall provide the capability to present digital components of electronic records individually	ERA20.11.6	1	D	Software	ERA627
ERA20.11.7	The system shall provide the capability to output digital components of electronic records individually	ERA20.11.7	1	D	Software	ERA628
ERA20.11.8	The system shall provide the capability to present electronic records composed of multiple digital components	ERA20.11.8	1	D	Software	ERA629
ERA20.11.9	The system shall provide the capability to output electronic records composed of multiple digital components	ERA20.11.9	1	D	Software	ERA630
ERA21.1	The system shall provide default workbenches tailored to users' roles	ERA21.1	1	D	Software	ERA632
ERA21.1.1	The system shall display the appropriate default workbench based on a user's registration information	ERA21.1.1	1	D	Software	ERA633
ERA21.1.2	The system shall provide the capability to create default workbenches	ERA21.5	1	D	Software	LM1085
ERA21.1.3	The system shall provide the capability to modify default workbenches	ERA21.5	1	D	Software	LM1086
ERA21.1.4	The system shall provide the capability to delete default workbenches	ERA21.5	1	D	Software	LM1087
ERA21.2	The system shall provide the capability for users to customize their workbenches	ERA21.2	1	D	Software	ERA634
ERA21.2.1	The system shall provide the capability for users to customize their user workbench by adding tools to the default workbench	ERA21.2.1	1	D	Software	ERA635

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA21.2.2	The system shall provide the capability for users to customize their user workbench by removing tools from the default workbench	ERA21.2.2	1	D	Software	ERA636
ERA21.2.3	The system shall provide the capability for users to customize the appearance of their workbench	ERA21.2.3	1	D	Software	ERA637
ERA21.2.4	The system shall remember the most recent customization to a user's workbench as that user's default workbench	ERA21.2.4	1	T	Software	ERA638
ERA21.3	The system shall provide the capability for users to select among available workbenches	ERA21.3	1	D	Software	ERA639
ERA21.4	The system shall maintain workbench configuration across user sessions	ERA21.4	1	T	Software	ERA640
ERA21.5	The system shall provide the capability for configurable user interfaces	ERA21.5	1	D	Software	ERA641
ERA21.6	The system shall provide the capability for foreign language extensibility such that the user interface could contain foreign language text in the future without major redesign	ERA21.6	1	A	Software	ERA642
ERA21.6.1	The system shall provide the capability to present the user interface in English (North American)	ERA21.6	1	D	Software	LM1088
ERA21.7	The system shall provide a user interface capable of electronically presenting all supported types of electronic records	ERA21.7	1	D	Software	ERA643
ERA21.8	The system shall accept input of information by users	ERA21.8	1	D	Software	ERA644
ERA21.8.1	The system shall check information entered by users	ERA21.8.1	1	T	Software	ERA645
ERA21.8.1.1	The system shall validate information entered by users for data type	ERA21.8.1	1	T	Software	LM1090
ERA21.8.1.2	The system shall validate information entered by users for data ranges	ERA21.8.1	1	T	Software	LM1091
ERA21.8.1.3	The system shall validate information entered by users against pre-defined constraints	ERA21.8.1	1	T	Software	LM3175
ERA22	The system shall provide the capability for user registration	ERA22	1	D	Software	ERA646
ERA22.1	The system shall provide the capability to register users	ERA22.1	1	D	Software	ERA647
ERA22.1.1	The system shall register user types	ERA22.1.1	1	T	Software	ERA648
ERA22.1.2	The system shall associate registered users with user groups	ERA22.1.2	1	T	Software	ERA649
ERA22.1.3	The system shall establish a user account for each registered user	ERA22.1.3	1	T	Software	ERA650
ERA22.2	The system shall collect information from the user during registration	ERA22.2	1	D	Software	ERA651
ERA22.2.1	The system shall collect name from the user during registration	ERA22.2.1	1	D	Software	ERA652
ERA22.2.2	The system shall collect contact information from the user during registration	ERA22.2.2	1	D	Software	ERA653
ERA22.2.4	The system shall collect information on whether the user is a stakeholder in an equity holder from the user during registration	ERA22.2.4	1	D	Software	ERA655
ERA22.2.5	The system shall collect job role information from the user during registration	ERA22.2.5	1	D	Software	ERA656

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA22.2.6	The system shall collect proof of identity information from the user during registration	ERA22.2.6	1	D	Software	ERA657
ERA22.2.6.1	The system shall indicate when a user needs to be physically present to provide proof of identity information	ERA22.2.6	1	D	Software	LM1153
ERA22.2.6.2	The system shall indicate when a user can supply proof of identity information without being physically present	ERA22.2.6	1	D	Software	LM1154
ERA22.2.7	The system shall collect information identifying the individual being registered as a transferring entity during registration	ERA22.2.7	1	D	Software	ERA658
ERA22.2.7.1	The system shall collect information identifying the individual being registered as a representative of a transferring entity during registration	ERA22.2.7	1	D	Software	LM658
ERA22.2.8	The system shall provide the capability for NARA users to determine what information is collected during registration	ERA22.2.8	1	D	Software	ERA659
ERA22.2.9	The system shall provide the capability to verify user supplied information before granting access privileges	ERA22.2	1	T	Operations	LM1155
ERA22.3	The system shall manage user accounts	ERA22.3	1	D	Software	ERA660
ERA22.3.1	The system shall provide the capability to create user accounts	ERA22.3.1	1	D	Software	ERA661
ERA22.3.1.1	The system shall provide the capability to create user accounts automatically	ERA22.3.1.1	1	D	Software	ERA662
ERA22.3.2	The system shall provide the capability to access user accounts	ERA22.3.2	1	D	Software	ERA663
ERA22.3.3	The system shall provide the capability to update user accounts	ERA22.3.3	1	D	Software	ERA664
ERA22.3.4	The system shall provide the capability to delete user accounts	ERA22.3.4	1	D	Software	ERA665
ERA22.3.5	The system shall provide the capability to suspend user accounts	ERA22.3.5	1	D	Software	ERA666
ERA22.3.6	The system shall provide the capability to reactivate suspended user accounts	ERA22.3.6	1	D	Software	ERA667
ERA22.3.7	The system shall provide the capability for the renewal of user registrations	ERA22.3.7	1	D	Software	ERA668
ERA22.3.8	The system shall expire user accounts	ERA22.3.8	1	D	Software	ERA669
ERA22.3.9	The system shall provide the capability for users to cancel their accounts	ERA22.3.9	1	D	Software	ERA670
ERA22.3.10	The system shall provide the capability for users to update their account information	ERA22.3.10	1	D	Software	ERA671
ERA22.3.10.1	The system shall provide the capability for users to request updates for those attributes of their account information that do require verification	ERA22.3.10	1	D	Software	LM1156
ERA22.3.10.2	The system shall provide the capability for users to update those attributes of their account information that do not require verification	ERA22.3.10	1	D	Software	LM671
ERA23.1	The system shall manage user assistance	ERA23.1	1	D	Software	ERA673
ERA23.1.1	The system shall provide the capability to create user assistance functions	ERA23.1.1	1	D	Software	ERA674
ERA23.1.2	The system shall provide the capability to access user assistance functions	ERA23.1.2	1	D	Software	ERA675





LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA23.1.3	The system shall provide the capability to update user assistance functions	ERA23.1.3	1	D	Software	ERA676
ERA23.1.4	The system shall provide the capability to delete user assistance functions	ERA23.1.4	1	D	Software	ERA677
ERA23.2	The system shall provide help screens	ERA23.2	1	D	Software	ERA678
ERA23.2.1	The system shall provide the capability for field explanation assistance	ERA23.2	1	D	Software	LM1157
ERA23.2.2	The system shall provide the capability for glossary assistance	ERA23.2	1	D	Software	LM1158
ERA23.2.3	The system shall provide the capability to display Frequently Asked Questions	ERA23.2	1	D	Software	LM1159
ERA23.2.4	The system shall provide help desk contact information	ERA23.2	1	D	Software	LM1160
ERA23.2.5	The system shall provide the capability for searching tips	ERA23.2	1	D	Software	LM1161
ERA23.3.4	The system shall provide the capability to open a ticket	ERA23.3	1	D	Software	LM1165
ERA23.3.5	The system shall provide the capability to close a ticket	ERA23.3	1	D	Software	LM1166
ERA23.3.6	The system shall provide the capability to update a ticket	ERA23.3	1	D	Software	LM1167
ERA23.3.7	The system shall provide the capability to notify the user of changes to the ticket status	ERA23.3	1	D	Software	LM1168
ERA23.3.9	The system shall provide the capability to display a ticket	ERA23.3	1	D	Software	LM1170
ERA23.3.11	The system shall provide the capability to report on help desk requests	ERA23.3	1	D	Software	LM1172
ERA23.7	The system shall provide the capability to guide users through the steps of an ERA process step-by-step	ERA23.7	1	D	Software	ERA685
ERA23.7.1	The system shall provide the capability to display textual information to guide users through the steps involved in performing ERA processes	ERA23.7	1	D	Software	LM685
ERA23.8	The system shall provide the capability for users to initiate a message to NARA staff member(s) requesting assistance	ERA23.8	1	D	Software	ERA686
ERA24.1	The system shall manage communications	ERA24.1	1	D	Software	ERA688
ERA24.1.1	The system shall provide the capability to receive communications	ERA24.1.1	1	T	Software	ERA689
ERA24.1.2	The system shall provide the capability to track communications	ERA24.1.2	1	T	Software	ERA690
ERA24.3	The system shall notify users of system events	ERA24.3	1	D	Software	ERA695
ERA24.3.1	The system shall provide the capability to notify users about scheduled system maintenance	ERA24.3.1	1	D	Software	ERA696
ERA24.3.2	The system shall provide the capability to notify users about delayed response time	ERA24.3.2	1	D	Software	ERA697
ERA24.3.3	The system shall notify users when system services are affected by system events	ERA24.3.3	1	D	Software	ERA698
ERA24.3.4	The system shall notify users when system resources are affected by system events	ERA24.3.4	1	D	Software	ERA699
ERA24.4	The system shall provide the capability to generate notices for other systems	ERA24.4	1	D	Software	ERA700

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ERA24.4.1	The system shall provide the capability to generate notices for other systems according to the Interface Requirements Specification	ERA24.4	1	D	Software	LM700
ERA24.5	The system shall generate notices to users	ERA24.5	1	D	Software	ERA701
ERA24.5.1	The system shall provide the capability to notify a transferring entity of the results of system events	ERA24.5.1	1	D	Software	ERA702
ERA24.5.2	The system shall provide the capability to notify a list of users regarding system events	ERA24.5.2	1	D	Software	ERA703
ERA24.5.3	The system shall provide the capability to notify users about the progress of system events	ERA24.5.3	1	D	Software	ERA704
ERA24.5.4	The system shall provide the capability to notify users when they have been denied access to assets	ERA24.5.4	1	D	Software	ERA705
ERA24.5.5	The system shall provide the capability to notify users of upcoming events	ERA24.5.5	1	D	Software	ERA706
ERA24.6	The system shall provide the ability for users to manage notices	ERA24.6	1	D	Software	ERA707
ERA24.6.1	The system shall provide the capability to manage standard language notices	ERA24.6.1	1	D	Software	ERA708
ERA24.6.2	The system shall provide the capability to manage ad hoc notices	ERA24.6.2	1	D	Software	ERA709
ERA24.6.3	The system shall provide the capability for users to create notices	ERA24.6.3	1	D	Software	ERA710
ERA24.6.4	The system shall provide the capability for users to save notices	ERA24.6.4	1	D	Software	ERA711
ERA24.6.5	The system shall provide the capability for users to edit notices	ERA24.6.5	1	D	Software	ERA712
ERA24.6.6	The system shall provide the capability for users to delete notices	ERA24.6.6	1	D	Software	ERA713
ERA24.6.7	The system shall provide the capability for users to specify recipients of notices	ERA24.6.7	1	D	Software	ERA714
ERA24.6.8	The system shall provide the capability for users to send notices	ERA24.6.8	1	T	Software	ERA715
ERA25	The system shall maintain an event log	ERA25	1	D	Software	ERA716
ERA25.1	The system shall provide the capability to log all system events	ERA25.1	1	T	Software	ERA717
ERA25.2	The system shall provide the capability for NARA to select which information to log in the event log	ERA25.2	1	T	Software	ERA718
ERA25.4.1	The system shall provide the capability to archive event log information	ERA25.4.1	1	T	Software	ERA721
ERA25.5	The system shall make event log information available upon request	ERA25.5	1	D	Software	ERA722
ERA25.5.1	The system shall be capable of providing event log information for specific electronic records	ERA25.5.1	1	D	Software	ERA723
ERA25.6	The system shall provide the capability to completely expunge event log information	ERA25.6	1	T	Software	ERA724
ERA25.6.1	The system shall provide the capability to completely expunge event log information pertaining to an individual electronic record from the event log	ERA25.6.1	1	T	Software	ERA725

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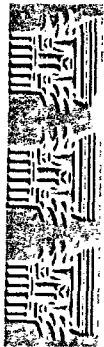
LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA25.6.2	The system shall provide the capability to completely expunge event log information pertaining to sets of electronic records from the event log	ERA25.6.2	1	T	Software	ERA726
ERA25.7	The system shall manage the electronic records created by itself	ERA25.7	1	I	Software	ERA727
ERA25.7.1	The system shall provide the capability to maintain records related to any records lifecycle transaction	ERA25.7.1	1	I	Software	ERA728
ERA26.1.1	The system shall provide the capability to create reports	ERA26.1.1	1	D	Software	ERA731
ERA26.1.1.1	The system shall provide the capability to automatically create routine reports	ERA26.1.1.1	1	D	Software	ERA732
ERA26.1.2.2	The system shall provide the capability for authorized users to modify routine reports	ERA26.1.2	1	D	Software	LM1178
ERA26.1.3	The system shall provide the capability to save reports	ERA26.1.3	1	D	Software	ERA734
ERA26.1.3.1	The system shall provide the capability to save a report to a file	ERA26.1.3.1	1	D	Software	ERA735
ERA26.1.4	The system shall provide the capability to delete reports	ERA26.1.4	1	D	Software	ERA736
ERA26.1.5	The system shall provide the capability to display reports	ERA26.1.5	1	D	Software	ERA737
ERA26.1.6	The system shall provide the capability to print reports	ERA26.1.6	1	D	Software	ERA738
ERA26.2.1	The system shall provide the capability to select routine reports	ERA26.2	1	D	Software	LM1180
ERA26.3.5.2	The system shall provide the capability for authorized users to customize routine report formats	ERA26.3.5	1	T	Software	LM1186
ERA26.4.1	The system shall provide the capability to output reports to media	ERA26.4.1	1	D	Software	ERA749
ERA26.4.1.1	The system shall provide the capability to output reports to approved media types	ERA26.4.1	1	D	Software	LM749
ERA26.4.2	The system shall provide the capability to present reports via the user interface	ERA26.4.2	1	D	Software	ERA750
ERA27.1	The system shall provide tools to support system level testing	ERA27.1	1	I	Software	ERA754
ERA27.1.1	The system shall provide the capability to designate test data	ERA27.1.1	1	I	Software	ERA755
ERA27.1.2	The system shall provide the capability for complete deletion of test data from the system without affecting other data	ERA27.1.2	1	T	Software	ERA756
ERA27.1.3	The system shall provide the capability to track designated test data throughout the system	ERA27.1.3	1	T	Software	ERA757
ERA27.1.4	The system shall provide the capability to completely delete system artifacts resulting from testing from the system without affecting other data	ERA27.1.4	1	T	Software	ERA758
ERA27.1.5	The system shall provide the capability for monitoring during testing	ERA27.1.5	1	I	Software	ERA759
ERA27.2.1	The system shall identify failures	ERA27.2.1	1	T	Software	ERA761
ERA27.2.1.1	The system shall provide the capability to automatically monitor system components to gather system health information	ERA27.2.1	1	T	Software	LM1187

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA27.2.1.2	The system shall provide the capability to display performance and operational conditions that are outside of tolerance thresholds	ERA27.2.1	1	T	Software	LM1188
ERA27.2.1.3	The system shall provide the capability to create notices when it detects conditions outside of tolerance thresholds	ERA27.2.1	1	T	Software	LM1189
ERA27.2.2.3	The system shall isolate failures to hardware	ERA27.2.2	1	T	Software	LM1192
ERA27.2.2.4	The system shall isolate failures to software	ERA27.2.2	1	T	Software	LM1193
ERA27.2.2.5	The system shall isolate failures to power providers	ERA27.2.2	1	T	Software	LM1194
ERA27.2.2.6	The system shall provide the capability to perform remote maintenance tasks on individual components	ERA27.2.2	1	T	Software	LM1195
ERA27.2.2.7	The system shall isolate failures to telecommunication providers	ERA27.2.2	1	T	Software	LM3165
ERA27.2.3	The system shall resolve failures	ERA27.2.3	1	T	Software	ERA763
ERA27.2.3.1	The system shall provide the capability for users to perform remote triage steps	ERA27.2.3	1	T	Software	LM1196
ERA27.2.3.2	The system shall provide the capability for users to remotely reboot subsystem components	ERA27.2.3	1	T	Software	LM1197
ERA27.2.3.3	The system shall provide the capability for users to remotely update configuration tables on subsystem components	ERA27.2.3	1	T	Software	LM1198
ERA27.2.3.4	The system shall provide the capability for users to remotely deploy software	ERA27.2.3	1	T	Software	LM1199
ERA27.2.3.5	The system shall provide the capability for users to replace select subsystem components	ERA27.2.3	1	T	Operations	LM1200
ERA27.2.4	The system shall provide notification of failures	ERA27.2.4	1	T	Software	ERA764
ERA27.2.5	The system shall provide consolidated application error logging	ERA27.2.5	1	T	Software	ERA765
ERA27.2.5.1	The system shall provide the capability to gather application error data into a persistent storage location	ERA27.2.5	1	T	Software	LM1201
ERA27.2.5.2	The system shall provide the capability to create textual reports that list error messages	ERA27.2.5	1	D	Software	LM1202
ERA27.2.6	The system shall provide consolidated COTS fault logging	ERA27.2.6	1	D	Software	ERA766
ERA27.2.6.1	The system shall provide the capability to gather COTS error data into a persistent storage location	ERA27.2.6	1	T	Software	LM1203
ERA27.2.6.2	The system shall provide the capability to create textual reports that list COTS error messages	ERA27.2.6	1	D	Software	LM1204
ERA27.3.1	The system shall monitor system workflow	ERA27.3.1	1	D	Software	ERA768
ERA27.3.2	The system shall monitor system load	ERA27.3.2	1	D	Software	ERA769

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA27.3.2.1	The system shall provide the capability to monitor CPU utilization for subsystem components	ERA27.3.2	1	D	Software	LM1205
ERA27.3.2.2	The system shall provide the capability to monitor memory utilization for subsystem components	ERA27.3.2	1	D	Software	LM1206
ERA27.3.2.3	The system shall provide the capability to monitor thread utilization for subsystem components	ERA27.3.2	1	D	Software	LM3166
ERA27.3.2.4	The system shall provide the capability to monitor connection utilization for subsystem components	ERA27.3.2	1	D	Software	LM3167
ERA27.3.2.5	The system shall provide the capability to monitor bandwidth utilization for subsystem components	ERA27.3.2	1	D	Software	LM3168
ERA27.3.3	The system shall monitor system performance	ERA27.3.3	1	D	Software	ERA770
ERA27.3.3.1	The system shall provide the capability to estimate file download time to the user	ERA27.3.3	1	D	Software	LM1207
ERA27.3.4	The system shall monitor storage usage	ERA27.3.4	1	D	Software	ERA771
ERA27.3.5	The system shall monitor data requests	ERA27.3.5	1	D	Software	ERA772
ERA27.3.5.1	The system shall provide the capability to monitor requests for data by user	ERA27.3.5	1	D	Software	LM1208
ERA27.3.5.2	The system shall provide the capability to capture information about requests for data	ERA27.3.5	1	D	Software	LM1209
ERA27.3.5.3	The system shall provide the capability to generate access statistics based upon requests for data	ERA27.3.5	1	D	Software	LM1210
ERA27.3.5.4	The system shall provide the capability to create reports based upon information about requests for data	ERA27.3.5	1	D	Software	LM1211
ERA27.3.6	The system shall monitor the status of all its storage systems	ERA27.3.6	1	D	Software	ERA773
ERA27.3.7	The system shall monitor the performance of all its storage systems	ERA27.3.7	1	D	Software	ERA774
ERA27.4.1	The system shall adjust storage allocations	ERA27.4.1	1	T	Software	ERA777
ERA27.4.2	The system shall balance system loads	ERA27.4.2	1	T	Software	ERA778
ERA27.4.3	The system shall allocate resources	ERA27.4.3	1	T	Software	ERA779
ERA27.4.4	The system shall de-allocate resources	ERA27.4.4	1	D	Software	ERA780
ERA27.4.5	The system shall report resources usage	ERA27.4.5	1	D	Software	ERA781
ERA27.4.6	The system shall provide the capability to take resources off line	ERA27.4.6	1	D	Software	ERA782
ERA27.4.7	The system shall provide the capability to bring resources on line	ERA27.4.7	1	D	Software	ERA783
ERA28.1.3	The system shall provide the capability to manage a system-wide inventory of all hardware contained within ERA	ERA28.1.3	1	T	Software	ERA793





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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA28.1.4	The system shall provide the capability to manage a system-wide inventory of all software contained within ERA	ERA28.1.4	1	T	Software	ERA794
ERA28.1.6	The system shall provide the capability to manage a system-wide inventory of the Physical Plant equipment	ERA28.1	1	T	Software	LM1213
ERA28.2	The system shall provide configuration management capabilities	ERA28.2	1	T	Software	ERA795
ERA28.2.1	The system shall provide the capability for configuration management of the operational hardware of ERA	ERA28.2.1	1	I	Software	ERA796
ERA28.2.2	The system shall provide the capability for configuration management of the archival software of ERA	ERA28.2.2	1	T	Software	ERA797
ERA28.2.2.1	The system shall provide the capability for configuration management of the developed software of ERA	ERA28.2.2	1	T	Software	LM3169
ERA28.2.2.2	The system shall provide the capability for configuration management of the COTS software of ERA	ERA28.2.2	1	T	Software	LM3170
ERA28.2.2.3	The system shall provide the capability for configuration management of the configuration files of ERA	ERA28.2.2	1	T	Software	LM3171
ERA28.2.3	The system shall provide the capability for configuration management of the system software of ERA	ERA28.2.3	1	T	Software	ERA798
ERA28.2.4	The system shall provide the capability to migrate hardware upgrades into the operational environment	ERA28.2.4	1	I	Software	ERA799
ERA28.2.5	The system shall provide the capability to migrate software upgrades into the operational environment	ERA28.2.5	1	T	Software	ERA800
ERA28.2.5.1	The system shall provide the capability to schedule the migration of software upgrades into the operational environment	ERA28.2.5	1	T	Software	LM1215
ERA28.2.5.2	The system shall provide the capability to verify the migration of software upgrades into the operational environment	ERA28.2.5	1	T	Software	LM1216
ERA28.2.5.3	The system shall provide the capability to rollback software migration in case of a failure	ERA28.2.5	1	T	Software	LM1217
ERA28.2.6	The system shall provide configuration management to support the testing of ERA	ERA28.2.6	1	I	Software	ERA801
ERA28.2.7	The system shall provide configuration management to support system documentation	ERA28.2	1	I	Software	LM1218
ERA28.2.8	The system shall provide configuration management to support training materials	ERA28.2	1	I	Software	LM1219
ERA30.1	The system shall provide the capability to queue services	ERA30.1	1	T	Software	ERA822
ERA30.2	The system shall provide the capability to monitor services	ERA30.2	1	D	Software	ERA823

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA30.3	The system shall provide the capability to categorize services	ERA30.3	1	D	Software	ERA824
ERA30.5	The system shall provide the capability to preempt services	ERA30.5	1	T	Software	ERA828
ERA30.6	The system shall provide the capability to suspend services	ERA30.6	1	D	Software	ERA829
ERA30.6.1	The system shall provide the capability to suspend a service at the category level	ERA30.6.1	1	D	Software	ERA830
ERA30.6.2	The system shall provide the capability to suspend an individual service's execution within a category of service	ERA30.6.2	1	D	Software	ERA831
ERA30.6.3	The system shall provide the capability to resume any type of service that has been suspended	ERA30.6.3	1	D	Software	ERA832
ERA30.12	The system shall provide APIs for all developed services	ERA30.12	1	I	Software	ERA843
ERA30.12.1	The system shall provide service based interfaces for developed services	ERA30.12	1	I	Software	LM843
ERA30.13	The system shall provide the capability for a service registry	ERA30	1	D	Software	LM3172
ERA30.14	The system shall provide the capability to terminate a service	ERA30	1	D	Software	LM3173
ERA30.15	The system shall provide the capability to start a service	ERA30	1	D	Software	LM3174
ERA31	The system shall meet or exceed specified performance requirements	ERA31	1	A	Hardware, Software	ERA844
ERA31.1	The system shall accommodate loads as specified in Appendix B, Table B-2, ERA Record Volume Requirements	ERA31.1	1	A	Hardware, Software	ERA845
ERA31.2	The system shall be scalable to one exabyte of total storage without major design changes	ERA31.2	1	A	Software	ERA846
ERA31.3	The system shall be scalable to ten teraobjects without major design changes	ERA31.3	1	A	Hardware, Software	ERA847
ERA31.4	The system shall provide response time performance as specified in Appendix B, Table B-3, ERA System Performance Requirements	ERA31.4	1	T	Hardware, Software	ERA848
ERA32.2	The system shall have no single point of failure	ERA32.2	1	I	Hardware, Software	ERA851
ERA33	The system shall be designed in the context of NARA's Enterprise Architecture	ERA33	1	A	Hardware, Software	ERA852
ERA33.1	The system shall comply with section 508 of the Rehabilitation Act of 1973	ERA33.1	1	T	Software	ERA853
ERA33.1.1	The system shall comply with section 508 of the Rehabilitation Act of 1973, as specified in the Human Factors Specification	ERA33.1	1	T	Software	LM853

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA1	The system shall manage the disposition of records	ERA1	2D	D	Software	ERA1
ERA1.1.1	The system shall provide the capability to manage disposition agreements	ERA1.1.1	2D	D	Software	ERA2
ERA1.1.1	The system shall provide the capability for users to create disposition agreements	ERA1.1.1	2D	D	Software	ERA3
ERA1.1.1.4	The system shall create suggested dispositions based on a series of questions answered by the user	ERA1.1.1.4	2D	D	Software	ERA7
ERA1.1.1.4.1	The system shall recommend a workflow for records based on their suggested disposition	ERA1.1.1.4.1	2D	D	Software	ERA8
ERA1.1.1.4.2	The system shall indicate the level of confidence in the suggested disposition to the user	ERA1.1.1.4.2	2D	D	Software	ERA9
ERA1.1.1.4.3	The system shall indicate to the user the level of confidence that the suggested workflow is appropriate	ERA1.1.1.4	2D	D	Software	LM856
ERA1.1.1.4.3	The system shall provide the capability for a user to override the suggested disposition instruction	ERA1.1.1	2D	D	Software	LM1356
ERA1.1.1.4.4	The system shall create suggested dispositions based on user responses to system generated questions	ERA1.1.1.4	2D	D	Software	LM7
ERA1.1.18	The system shall provide the capability for ERA users to collaborate on disposition agreements	ERA1.1	2D	D	Software	LM890
ERA1.4	The system shall provide the capability to export any electronic record from ERA to other entities	ERA1.4	2T	T	Software	ERA55
ERA1.4.1	The system shall provide the capability to export individual electronic records from ERA to other entities	ERA1.4.1	2T	T	Software	ERA56
ERA1.4.1.1	The system shall provide the capability to export individual electronic records from ERA to other entities, in accordance with the Interface Requirements Specification	ERA1.4.1	2T	T	Software	LM56
ERA1.4.2	The system shall provide the capability to export sets of electronic records from ERA to other entities	ERA1.4.2	2T	T	Software	ERA57
ERA1.4.2.1	The system shall provide the capability to export sets of electronic records from ERA to other entities, in accordance with the Interface Requirements Specification	ERA1.4.2	2T	T	Software	LM57
ERA1.4.3	The system shall remove the exported electronic records from ERA	ERA1.4.3	2T	T	Software	ERA58
ERA1.4.3.1	The system shall delete the exported electronic records from ERA upon confirming success of the export to the other entity	ERA1.4.3	2T	T	Software	LM58

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA1.4.4	The system shall provide the capability to export all versions of any electronic record stored in ERA	ERA1.4.4	2	T	Software	ERA59
ERA1.4.4.1	The system shall provide the capability to export all versions of an electronic record stored in ERA, in accordance with the Interface Requirements Specification	ERA1.4.4	2	T	Software	LM59
ERA1.4.5	The system shall preserve the structure of all digital components when electronic records are exported	ERA1.4.5	2	T	Software	ERA60
ERA1.4.5.1	The system shall preserve the structure of an electronic record's digital components when that record is exported	ERA1.4.5	2	T	Software	LM60
ERA1.4.6	The system shall preserve the content of all digital components when electronic records are exported	ERA1.4.6	2	T	Software	ERA61
ERA1.4.6.1	The system shall preserve the content of an electronic record's digital components when that record is exported	ERA1.4.6	2	T	Software	LM61
ERA1.4.7	The system shall provide the capability to export electronic records with the records' lifecycle data	ERA1.4.7	2	T	Software	ERA62
ERA1.4.7.1	The system shall provide the capability to export electronic records without the records' lifecycle data	ERA1.4.7.1	2	T	Software	ERA63
ERA1.4.7.1.1	The system shall provide the capability to export electronic records without the records' lifecycle data, in accordance with the Interface Requirements Specification	ERA1.4.7.1	2	T	Software	LM63
ERA1.4.7.2	The system shall provide the capability to export electronic records with the records' lifecycle data, in accordance with the Interface Requirements Specification	ERA1.4.7	2	T	Software	LM62
ERA1.4.8	The system shall provide the capability to export electronic records with the records' associated descriptions	ERA1.4.8	2	T	Software	ERA64
ERA1.4.8.1	The system shall provide the capability to export electronic records without the records' associated descriptions	ERA1.4.8.1	2	T	Software	ERA65
ERA1.4.8.1.1	The system shall provide the capability to export electronic records without the records' associated descriptions, in accordance with the Interface Requirements Specification	ERA1.4.8.1	2	T	Software	LM65
ERA1.4.8.2	The system shall provide the capability to export electronic records with the records' associated descriptions, in accordance with the Interface Requirements Specification	ERA1.4.8	2	T	Software	LM64
ERA1.5.1.1	The system shall provide the capability to select a date on which to destroy electronic records based on disposition instructions	ERA1.5.1	2	T	Software	LM67

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA1.5.2.1	The system shall provide the capability for a user to select a date on which to destroy electronic records	ERA1.5.2	2T		Software	LM68
ERA1.5.9.1	The system shall provide the capability to destroy electronic records such that the electronic records cannot be recovered according to the standards defined by the transferring entity	ERA1.5.9	2A		Software, Operations	LM77
ERA1.5.10	The system shall provide the capability to destroy electronic records in accordance with DOD5220.22-M	ERA1.5.10	2T		Software	ERA78
ERA1.6	The system shall automate the implementation of disposition instructions for electronic records	ERA1.6	2D		Software	ERA81
ERA1.6.1	The system shall provide the capability for users to suspend automatic implementation of any disposition instruction	ERA1.6.1	2D		Software	ERA82
ERA1.6.2	The system shall provide the capability for users to resume automatic implementation of any suspended disposition instruction	ERA1.6.2	2D		Software	ERA83
ERA1.6.3	The system shall provide the capability to implement changed disposition instructions	ERA1.6.3	2D		Software	ERA84
ERA1.6.3.1	The system shall recognize when a disposition instruction contained in a disposition agreement has been changed	ERA1.6.3.1	2D		Software	ERA85
ERA1.6.3.2	The system shall identify all records affected by a changed disposition instruction	ERA1.6.3.2	2D		Software	ERA86
ERA1.6.3.3	The system shall implement a changed disposition instruction against all records affected by the disposition instruction change	ERA1.6.3.3	2D		Software	ERA87
ERA1.6.4	The system shall provide the capability for a disposition instruction to be executed on a specified date	ERA1.6	2T		Software	LM878
ERA1.6.4.1	The system shall provide the capability for a user to assign a specific date to an event in a disposition instruction	ERA1.6	2D		Software	LM880
ERA1.6.4.2	The system shall use specified event dates to determine when to execute disposition instructions	ERA1.6	2T		Software	LM881
ERA1.6.5	The system shall provide the capability for a disposition instruction to be executed on a specified event	ERA1.6	2T		Software	LM879
ERA1.10	The system shall provide the capability to exchange records with records management applications that comply with DOD-STD 5015.2	ERA1.10	2D		Software	ERA91
ERA1.10.2	The system shall provide the capability to send records to records management applications that comply with DOD-STD 5015.2 according to the Interface Requirements Specification	ERA1.10	2D		Software	LM910
ERA1.11	The system shall provide capabilities for appraisal	ERA1.11	2D		Software	ERA92

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA1.11.1	The system shall provide the capability for users to create appraisal reports	ERA1.11.1	2 D		Software	ERA93
ERA1.11.1.1	The system shall create a new version of an approved appraisal report to allow it to be modified	ERA1.11.1.1	2 D		Software	LM93
ERA1.11.2	The system shall provide the capability for users to access appraisal reports	ERA1.11.2	2 D		Software	ERA94
ERA1.11.2.1	The system shall provide the capability to output a version of an appraisal report	ERA1.11.2	2 D		Software	LM3300
ERA1.11.2.2	The system shall provide the capability to present a version of an appraisal report	ERA1.11.2	2 D		Software	LM94
ERA1.11.3	The system shall provide the capability for users to modify appraisal reports	ERA1.11.3	2 D		Software	ERA95
ERA1.11.3.1	The system shall provide the capability for a user to modify versions of an appraisal report	ERA1.11.3	2 D		Software	LM95
ERA1.11.4	The system shall provide the capability for users to delete appraisal reports	ERA1.11.4	2 D		Software	ERA96
ERA1.11.4.1	The system shall provide the capability for a user to delete a version of an appraisal report	ERA1.11.4	2 D		Software	LM96
ERA1.11.5	The system shall provide the capability to associate appraisal reports with disposition agreements	ERA1.11.5	2 D		Software	ERA97
ERA1.11.5.1	The system shall provide the capability to associate appraisal reports with items in disposition agreements	ERA1.11.5.1	2 D		Software	ERA98
ERA1.11.6	The system shall capture lifecycle data from appraisal reports	ERA1.11.6	2 T		Software	ERA99
ERA1.11.6.1	The system shall extract lifecycle data from appraisal reports	ERA1.11.6	2 T		Software	LM99
ERA1.11.6.2	The system shall store lifecycle data extracted from appraisal reports	ERA1.11.6	2 T		Software	LM911
ERA1.11.7	The system shall provide the capability to collaborate on appraisal reports	ERA1.11	2 D		Software	LM912
ERA1.11.7.1	The system shall provide the capability to capture comments on appraisal reports	ERA1.11	2 D		Software	LM3301
ERA1.11.7.2	The system shall provide the capability to access comments on appraisal reports	ERA1.11	2 D		Software	LM3302
ERA1.11.7.3	The system shall provide the capability to update comments on appraisal reports	ERA1.11	2 D		Software	LM3303
ERA1.11.7.4	The system shall provide the capability to delete comments on appraisal reports	ERA1.11	2 D		Software	LM3304
ERA1.11.7.5	The system shall provide the capability to capture responses to comments on appraisal reports	ERA1.11	2 D		Software	LM3305
ERA1.11.7.6	The system shall provide the capability to access responses to comments on appraisal reports	ERA1.11	2 D		Software	LM3306

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA1.11.7.7	The system shall provide the capability to update responses to comments on appraisal reports	ERA1.11	2D		Software	LM3307
ERA1.11.7.8	The system shall provide the capability to delete responses to comments on appraisal reports	ERA1.11	2D		Software	LM3308
ERA1.11.8	The system shall maintain the version history of an appraisal report	ERA1.11	2D		Software	LM913
ERA1.11.9	The system shall assign a constant unique identifier to each version of an appraisal report	ERA1.11	2D		Software	LM914
ERA1.11.10	The system shall provide capabilities to appraise records	ERA1.11	2D		Software	LM92
ERA2.4	The system shall provide the capability for dynamic manipulation of workflows	ERA2.4	2D		Software	ERA121
ERA2.4.5	The system shall provide the capability to adjust the priority of a workflow	ERA2.4.5	2T		Software	ERA126
ERA2.4.6	The system shall provide the capability to set the priority of a workflow	ERA2.4	2T		Software	LM1055
ERA2.9	The system shall provide the capability to prioritize any queue	ERA2.9	2T		Software	ERA146
ERA2.9.2	The system shall provide the capability to prioritize objects within a queue	ERA2.9	2T		Software	LM1064
ERA2.10	The system shall manage FOIA requests	ERA2.10	2D		Software, Operations	ERA147
ERA2.10.1	The system shall provide the capability for a user to create a FOIA request	ERA2.10	2D		Software	LM1226
ERA2.10.1.1	The system shall assign a constant unique identifier for each FOIA request	ERA2.10	2D		Software	LM1227
ERA2.10.1.2	The system shall provide the capability to queue FOIA requests	ERA2.10	2D		Software	LM1228
ERA2.10.2	The system shall provide the capability for a user to update a FOIA request	ERA2.10	2D		Software	LM1229
ERA2.10.3	The system shall provide the capability for a user to delete a FOIA request	ERA2.10	2D		Software	LM1230
ERA2.10.4	The system shall provide the capability for a user to view a FOIA request	ERA2.10	2D		Software	LM1231
ERA2.10.5	The system shall provide the capability for a user to enter a FOIA Review Determination	ERA2.10	2D		Software, Operations	LM1232
ERA2.10.6	The system shall provide the capability to acknowledge FOIA requests	ERA2.10	2D		Software	LM1233
ERA2.10.7	The system shall provide the capability to assign the status of a FOIA request	ERA2.10	2D		Software	LM1234
ERA2.10.8	The system shall provide the capability for a user to initiate an Access Review process on assets retrieved for a FOIA request	ERA2.10	2D		Operations	LM1236
ERA2.10.9	The system shall generate reports on the status of FOIA requests	ERA2.10	2D		Software	LM1237
ERA2.10.10	The system shall generate reports on the disposition of FOIA requests	ERA2.10	2D		Software	LM3310
ERA2.10.11	The system shall provide the capability to track the status of FOIA appeals	ERA2.10	2D		Software	LM1238
ERA2.10.12	The system shall provide the capability to validate FOIA requests.	ERA2.10	2D		Software	LM3311
ERA2.10.13	The system shall monitor the aging of FOIA requests.	ERA2.10	2D		Software	LM3312
ERA2.10.14	The system shall report aged FOIA requests	ERA2.10	2D		Software	LM3313
ERA3	The system shall provide the capability for descriptions	ERA3	2D		Software	ERA149

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ERA3.1	The system shall provide the capability for description of records at multiple levels	ERA3.1	2D		Software	ERA150
ERA3.1.1	The system shall provide the capability for users to describe sets of records	ERA3.1.1	2D		Software	ERA151
ERA3.1.1.1	The system shall provide the capability to describe collections	ERA3.1.1.1	2D		Software	ERA152
ERA3.1.1.2	The system shall provide the capability to describe record groups	ERA3.1.1.2	2D		Software	ERA153
ERA3.1.1.3	The system shall provide the capability to describe series	ERA3.1.1.3	2D		Software	ERA154
ERA3.1.1.4	The system shall provide the capability to describe file units	ERA3.1.1.4	2D		Software	ERA155
ERA3.1.1.5	The system shall provide the capability to describe any set of records defined by NARA	ERA3.1.1.5	2A		Software	ERA156
ERA3.1.2	The system shall provide the capability for item level descriptions	ERA3.1.2	2D		Software	ERA157
ERA3.2	The system shall provide the capability for hierarchical descriptions	ERA3.2	2D		Software	ERA158
ERA3.2.1	The system shall provide the capability for hierarchical descriptions of sets of records	ERA3.2.1	2D		Software	ERA159
ERA3.2.2	The system shall provide the capability for hierarchical descriptions of organizations	ERA3.2.2	2D		Software	ERA160
ERA3.2.3	The system shall provide the capability for users to define new hierarchical description levels	ERA3.2.3	2D		Software	ERA161
ERA3.2.4	The system shall impose no practical limit on the number of hierarchical description levels that may be defined	ERA3.2.4	2D		Software	ERA162
ERA3.2.4.1	The system shall support at least one hundred hierarchical description levels	ERA3.2.4	2D		Software	LM162
ERA3.2.5	The system shall provide the capability to define hierarchical relationships for descriptions	ERA3.2	2D		Software	LM158
ERA3.3	The system shall provide the capability to create descriptions for all records	ERA3.3	2D		Software	ERA163
ERA3.3.1	The system shall provide the capability to create descriptions by users	ERA3.3.1	2D		Software	ERA164
ERA3.3.1.1	The system shall provide the capability to create new descriptions by users	ERA3.3.1.1	2D		Software	ERA165
ERA3.3.1.2	The system shall provide the capability for users to modify existing descriptions to create new descriptions	ERA3.3.1.2	2D		Software	ERA166
ERA3.3.1.2.1	The system shall provide the capability for users to create new versions of existing descriptions to be able to modify the descriptions	ERA3.3.1.2	2D		Software	LM166
ERA3.3.1.3	The system shall provide users with all previously collected records lifecycle data regarding the records to support creation of descriptions	ERA3.3.1.3	2D		Software	ERA167
ERA3.3.2	The system shall generate descriptions using information gathered throughout the records lifecycle	ERA3.3.2	2D		Software	ERA168

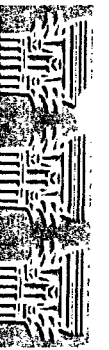
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ERA3.3.2.1	The system shall provide the capability for users to select whether or not to have the system create system generated descriptions	ERA3.3.2.1	2	D	Software	ERA169
ERA3.3.2.2	The system shall provide the capability for users to select the hierarchical level of system generated descriptions	ERA3.3.2.2	2	D	Software	ERA170
ERA3.3.2.3	The system shall provide the capability to integrate information provided by approved sources into system generated descriptions	ERA3.3.2.3	2	D	Software	ERA171
ERA3.3.2.4	The system shall provide the capability to integrate information provided by other functions of ERA into system generated descriptions	ERA3.3.2.4	2	D	Software	ERA172
ERA3.3.2.5	The system shall check the quality of system generated descriptions against NARA-defined standards	ERA3.3.2.5	2	D	Software	ERA173
ERA3.3.2.5.1	The system shall use a grammar for verifying the quality of descriptions	ERA3.3.2.5	2	D	Software	LM917
ERA3.3.2.5.2	The system shall provide the capability to implement rules that conform to the grammar for verifying the quality of descriptions	ERA3.3.2.5	2	D	Software	LM918
ERA3.4	The system shall provide the capability to link descriptions at all levels with the assets they describe	ERA3.4	2	D	Software	ERA174
ERA3.4.1	The system shall provide the capability to link descriptions at a hierarchical level with the assets they describe	ERA3.4	2	D	Software	LM174
ERA3.5	The system shall provide the capability to import previously created descriptions from other systems	ERA3.5	2	D	Software	ERA175
ERA3.5.1	The system shall provide the capability for users to select from which systems to import	ERA3.5	2	D	Software	LM919
ERA3.5.2	The system shall provide the capability to accept an imported description	ERA3.5	2	D	Software	LM920
ERA3.5.3	The system shall delete all versions of a rejected imported description	ERA3.5	2	D	Software	LM921
ERA3.5.4	The system shall provide the capability to import descriptions from other systems, in accordance with the Interface Requirements Specification	ERA3.5	2	D	Software	LM175
ERA3.6	The system shall provide the capability to export descriptions	ERA3.6	2	D	Software	ERA176
ERA3.6.1	The system shall provide the capability to output descriptions according to the Interface Requirements Specification	ERA3.6	2	D	Software	LM923
ERA3.6.2	The system shall provide the capability to export descriptions according to the Interface Requirements Specification	ERA3.6	2	D	Software	LM176
ERA3.7	The system shall provide the capability to update descriptions	ERA3.7	2	D	Software	ERA177
ERA3.7.1	The system shall provide capability for users to update descriptions	ERA3.7.1	2	D	Software	ERA178
ERA3.7.1.1	The system shall provide capability for users to modify versions of a description	ERA3.7.1	2	D	Software	LM178

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ERA3.7.2	The system shall update set-level descriptions in response to accretions of additional records to a set	ERA3.7.2	2	D	Software	ERA179
ERA3.7.3	The system shall provide the capability to report the records affected when updating a description	ERA3.7	2	D	Software	LM924
ERA3.8	The system shall provide the capability to approve descriptions	ERA3.8	2	D	Software	ERA180
ERA3.9	The system shall provide the capability to manage versioning of descriptions	ERA3.9	2	D	Software	ERA181
ERA3.9.1	The system shall maintain the version history of a description	ERA3.9	2	D	Software	LM925
ERA3.9.2	The system shall provide the capability for users to create a new version of an approved description to allow it to be modified	ERA3.9	2	D	Software	LM926
ERA3.9.3	The system shall provide the capability for a user to view versions of a description	ERA3.9	2	D	Software	LM927
ERA3.10	The system shall provide the capability to assign a status to descriptions to indicate where the description is in the approval process	ERA3.10	2	D	Software	ERA182
ERA3.11	The system shall provide the capability to delete descriptions	ERA3.11	2	D	Software	ERA183
ERA3.11.1	The system shall provide the capability to delete any version of a description	ERA3.11.1	2	D	Software	ERA184
ERA3.12	The system shall provide the capability to associate related materials with descriptions	ERA3.12	2	D	Software	ERA185
ERA3.12.1	The system shall provide the capability to link to related resources from within descriptions	ERA3.12.1	2	D	Software	ERA186
ERA3.13	The system shall accept description information about records provided in electronic forms	ERA3.13	2	D	Software	ERA187
ERA3.14	The system shall provide the capability to include notes fields in descriptions	ERA3.14	2	D	Software	ERA188
ERA3.14.1	The system shall provide the capability for a user to create notes on descriptions	ERA3.14	2	D	Software	LM929
ERA3.14.2	The system shall provide the capability for a user to view notes on descriptions	ERA3.14	2	D	Software	LM930
ERA3.14.3	The system shall provide the capability for a user to modify notes on descriptions	ERA3.14	2	D	Software	LM931
ERA3.14.4	The system shall provide the capability for a user to delete notes on descriptions	ERA3.14	2	D	Software	LM932
ERA3.14.5	The system shall provide the capability to capture notes on descriptions	ERA3.14	2	D	Software	LM188
ERA3.15	The system shall provide the capability to describe things other than records	ERA3.15	2	D	Software	ERA189
ERA3.15.1	The system shall provide the capability to describe user defined things	ERA3.15	2	D	Software	LM3314
ERA3.15.2	The system shall provide the capability for users to define things to be described	ERA3.15	2	D	Software	LM189



LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA3.16	The system shall provide the capability to annotate records	ERA3.16	2 D		Software	ERA190
ERA3.16.1	The system shall provide the capability for a user to create record annotations	ERA3.16	2 D		Software	LM933
ERA3.16.2	The system shall provide the capability for a user to view record annotations	ERA3.16	2 D		Software	LM934
ERA3.16.3	The system shall provide the capability for a user to modify record annotations	ERA3.16	2 D		Software	LM935
ERA3.16.4	The system shall provide the capability for a user to delete record annotations	ERA3.16	2 D		Software	LM936
ERA3.17	The system shall provide the capability to collaborate on descriptions	ERA3	2 D		Software	LM937
ERA3.18	The system shall assign a constant unique identifier to each version of a description	ERA3	2 D		Software	LM940
ERA3.19	The system shall provide the capability to create descriptions with access restrictions that are different from the access restrictions of the assets being described	ERA3.15	2 D		Software	LM3315
ERA4	The system shall manage authority sources	ERA4	2 D		Software	ERA191
ERA4.1	The system shall provide the capability to create authority sources within ERA	ERA4.1	2 D		Software	ERA192
ERA4.2	The system shall provide the capability to access authority sources	ERA4.2	2 D		Software	ERA193
ERA4.2.1	The system shall provide the capability to output authority sources	ERA4.2	2 D		Software	LM3316
ERA4.2.2	The system shall provide the capability to present authority sources	ERA4.2	2 D		Software	LM193
ERA4.3	The system shall provide the capability to delete authority sources	ERA4.3	2 D		Software	ERA194
ERA4.4	The system shall provide the capability to update authority sources	ERA4.4	2 D		Software	ERA195
ERA4.5	The system shall provide the capability to link to authority sources	ERA4.5	2 D		Software	ERA196
ERA4.6	The system shall provide the capability to import authority sources	ERA4.6	2 D		Software	ERA197
ERA4.6.1	The system shall provide the capability for users to review results from importing authority sources	ERA4.6	2 D		Software	LM942
ERA4.6.2	The system shall provide the capability for a user to accept imported authority sources	ERA4.6	2 D		Software	LM943
ERA4.6.3	The system shall provide the capability for a user to reject imported authority sources	ERA4.6	2 D		Software	LM944
ERA4.6.4	The system shall provide the capability to import authority sources according to the Interface Requirements Specification	ERA4.6	2 D		Software	LM197
ERA4.7	The system shall provide the capability to use authority sources	ERA4.7	2 D		Software	ERA198
ERA4.7.1	The system shall provide the capability to use authority sources during creation of descriptions	ERA4.7.1	2 D		Software	ERA199
ERA4.7.2	The system shall provide the capability to use authority sources during searches	ERA4.7.2	2 D		Software	ERA200



LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA4.7.3	The system shall provide the capability to link to authority sources during creation of descriptions	ERA4.7.2	2 D		Software	LM3317
ERA4.8	The system shall manage complex thesauri	ERA4.8	2 D		Software	ERA201
ERA4.9	The system shall provide the capability to combine authority sources	ERA4.9	2 D		Software	ERA202
ERA4.10	The system shall impose no practical limit on the number of authority sources	ERA4.10	2 T		Software	ERA203
ERA4.10.1	The system shall support at least ten thousand authority sources	ERA4.10	2 T		Software	LM203
ERA4.11	The system shall provide the capability for ERA users to collaborate on authority sources	ERA4	2 D		Software	LM945
ERA4.12	The system shall maintain the version history of an authority source	ERA4	2 D		Software	LM946
ERA4.12.1	The system shall provide the capability for a user to view authority source versions	ERA4	2 D		Software	LM951
ERA4.12.2	The system shall provide the capability for a user to modify authority source versions	ERA4	2 D		Software	LM952
ERA4.12.3	The system shall provide the capability for a user to delete authority source versions	ERA4	2 D		Software	LM953
ERA4.13	The system shall create a new version of an authority source to allow it to be modified	ERA4	2 D		Software	LM947
ERA4.14	The system shall assign a constant unique identifier to each version of an authority source	ERA4	2 D		Software	LM948
ERA6.6	The system shall check the authenticity of sample electronic records	ERA6.6	2 D		Software	ERA221
ERA6.6.1	The system shall report the results of checking sample electronic records	ERA6.6.1	2 D		Software	ERA222
ERA6.6.1.1	The system shall report the results of the essential characteristics verification to the user	ERA6.6.1	2 D		Software	LM222
ERA6.6.3	The system shall verify the essential characteristics of sample electronic records	ERA6.6	2 D		Software	LM221
ERA7	The system shall provide the capability to manage templates	ERA7	2 D		Software	ERA223
ERA7.11	The system shall provide the capability to import templates from external systems' template repositories into the ERA template repository	ERA7.11	2 D		Software	ERA260
ERA7.11.1	The system shall provide the capability to import templates from external systems' template repositories into the ERA template repository, in accordance with the Interface Requirements Specification	ERA7.11	2 D		Software	LM260
ERA7.12	The system shall provide the capability to output templates	ERA7.12	2 D		Software	ERA261
ERA7.12.1	The system shall provide the capability to output templates, in accordance with the Interface Requirements Specification	ERA7.12	2 D		Software	LM261
ERA7.13	The system shall provide the capability for users to collaborate on templates	ERA7	2 D		Software	LM965

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA8	The system shall provide capabilities for preserving electronic records	ERA8	2	D	Software	ERA262
ERA8.1	The system shall manage the preservation process of electronic records	ERA8.1	2	D	Software	ERA263
ERA8.1.1	The system shall provide the capability for preservation assessment of electronic records	ERA8.1.1	2	D	Software	ERA264
ERA8.1.1.1	The system shall provide the capability for preservation assessments of electronic records scheduled for transfer to NARA	ERA8.1.1.1	2	D	Software	ERA265
ERA8.1.1.1.1	The system shall provide the capability for preservation assessments of electronic records planned for transfer to NARA but not scheduled	ERA8.1.1.1.1	2	D	Software	ERA266
ERA8.1.1.2	The system shall provide the capability for preservation assessment of electronic records at the time of ingest	ERA8.1.1.2	2	D	Software	ERA267
ERA8.1.1.3	The system shall provide the capability for preservation assessment of electronic records already stored in ERA	ERA8.1.1.3	2	D	Software	ERA268
ERA8.1.1.4	The system shall provide the capability to apply templates in preservation assessment	ERA8.1.1.4	2	D	Software	ERA269
ERA8.1.1.5	The system shall maintain the version history of preservation assessments	ERA8.1.1	2	D	Software	LM968
ERA8.1.1.6	The system shall assign a constant unique identifier to each preservation assessment	ERA8.1.1	2	T	Software	LM969
ERA8.1.1.7	The system shall create a new version of an approved preservation assessment to allow it to be modified	ERA8.1.1	2	T	Software	LM972
ERA8.1.1.8	The system shall provide the capability to view versions of a preservation assessment	ERA8.1.1	2	T	Software	LM973
ERA8.1.1.9	The system shall provide the capability to modify versions of a preservation assessment	ERA8.1.1	2	T	Software	LM974
ERA8.1.1.10	The system shall provide the capability to delete versions of a preservation assessment	ERA8.1.1	2	T	Software	LM975
ERA8.1.1.11	The system shall provide the capability to create a preservation assessment	ERA8.1.1	2	D	Software	LM3320
ERA8.1.2	The system shall provide the capability to schedule the automatic execution of preservation processing	ERA8.1.2	2	D	Software	ERA270
ERA8.1.2.1	The system shall provide the capability to queue automatic execution of preservation processing via workflow	ERA8.1.2	2	D	Software	LM270
ERA8.1.3	The system shall provide the capability to use the user interface to initiate transformation of electronic records by the system	ERA8.1.3	2	D	Software	ERA271
ERA8.1.3.1	The system shall provide the capability for the user to initiate digital adaptation of electronic records by the system	ERA8.1.3	2	D	Software	LM271

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA8.1.4	The system shall provide the capability to mass process sets of electronic records	ERA8.1.4	2T		Software	ERA272
ERA8.1.4.1	The system shall provide the capability to mass process sets of data files	ERA8.1.4.1	2T		Software	ERA273
ERA8.1.4.1.1	The system shall provide the capability to perform preservation processing on sets of data files	ERA8.1.4.1	2T		Software	LM273
ERA8.1.4.2	The system shall provide the capability to perform preservation processing on sets of electronic records	ERA8.1.4	2T		Software	LM272
ERA8.1.5	The system shall maintain an audit trail of all preservation processing	ERA8.1.5	2T		Software	ERA274
ERA8.1.5.1	The system shall include the preservation audit trail within the records lifecycle data	ERA8.1.5.1	2D		Software	ERA275
ERA8.1.5.1.1	The system shall include a preservation audit log within the records lifecycle data	ERA8.1.5.1	2D		Software	LM275
ERA8.1.5.2	The system shall maintain an audit log for preservation processing	ERA8.1.5	2T		Software	LM274
ERA8.1.6	The system shall preserve the integrity of records throughout the preservation processes	ERA8.1.6	2D		Software	ERA276
ERA8.1.6.1	The system shall ensure that relationships among records are not altered in preservation processing	ERA8.1.6.1	2I		Software	ERA277
ERA8.1.6.1.1	The system shall ensure that relationships among records are retained in preservation processing	ERA8.1.6.1	2I		Software	LM277
ERA8.1.6.2	The system shall ensure that all data files stored in the system are associated with the records they constitute	ERA8.1.6.2	2D		Software	ERA278
ERA8.1.6.2.1	The system shall ensure that all data files stored in the system are associated with the sets of electronic records they constitute	ERA8.1.6.2.1	2D		Software	ERA279
ERA8.1.6.3	The system shall maintain electronic record content across preservation processes	ERA8.1.6.3	2D		Software	ERA280
ERA8.1.6.4	The system shall ensure that all specified behavior associated with an electronic record is maintained across preservation processes	ERA8.1.6.4	2A		Software	ERA281
ERA8.1.6.4.1	The system shall provide the capability to specify which behaviors of electronic records must be maintained across preservation processes	ERA8.1.6.4.1	2D		Software	ERA282
ERA8.1.6.4.1.1	The system shall provide the capability to specify in the preservation and service plan which behaviors of electronic records must be maintained across preservation processes	ERA8.1.6.4.1	2D		Software	LM282
ERA8.1.6.4.2	The system shall maintain the behavior of an electronic record across preservation processes as specified in the preservation and service plan for that record	ERA8.1.6.4	2A		Software	LM281

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA8.1.6.5	The system shall maintain electronic record context across preservation processes	ERA8.1.6.5	2	T	Software	ERA283
ERA8.1.6.6	The system shall maintain specified electronic record structure across preservation processes	ERA8.1.6.6	2	T	Software	ERA284
ERA8.1.6.6.1	The system shall maintain electronic record structure across preservation processes as specified in the preservation and service plan	ERA8.1.6.6	2	T	Software	LM284
ERA8.1.6.7	The system shall maintain specified electronic record presentation across preservation processes	ERA8.1.6.7	2	D	Software	ERA285
ERA8.1.6.7.1	The system shall maintain electronic record presentation across preservation processes as specified in the preservation and service plan	ERA8.1.6.7	2	D	Software	LM285
ERA8.5	The system shall provide the capability to transform any ingested data file to a different format	ERA8.5	2	D	Software	ERA293
ERA8.5.1	The system shall have the capability to check that a file output from a transformation retains specified attributes of the input data	ERA8.5.1	2	T	Software	ERA294
ERA8.5.1.1	The system shall provide the capability to verify that the result of a digital adaptation retains attributes of the original digital item as specified in the preservation and service plan for that item	ERA8.5.1	2	T	Software	LM294
ERA8.5.2	The system shall have the capability to check that a file output from a transformation retains the specified behaviors of the input data	ERA8.5.2	2	T	Software	ERA295
ERA8.5.2.1	The system shall provide the capability to verify that the result of a digital adaptation retains behavior of the original digital item as specified in the preservation and service plan for that item	ERA8.5.2	2	T	Software	LM295
ERA8.5.3	The system shall specify the relationship of each transformed data file to an electronic record	ERA8.5.3	2	D	Software	ERA296
ERA8.5.3.1	The system shall specify the relationship of each transformed data file to a set of electronic records	ERA8.5.3.1	2	T	Software	ERA297
ERA8.5.3.1.1	The system shall identify the relationship of each digitally adapted data file to a set of electronic records	ERA8.5.3.1	2	T	Software	LM297
ERA8.5.3.2	The system shall identify the relationship of each digitally adapted data file to an electronic record	ERA8.5.3	2	D	Software	LM296
ERA8.5.4	The system shall provide the capability to perform digital adaptation on an ingested data file	ERA8.5	2	D	Software	LM293
ERA8.6	The system shall provide the capability to transform electronic records into persistent formats	ERA8.6	2	A	Software	ERA298





LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA8.6.1	The system shall provide the capability to transform electronic record/data types into a hardware and software independent format	ERA8.6.1	2A		Hardware	ERA299
ERA8.6.1.1	The system shall check the results of transformations for conformance with assigned templates	ERA8.6.1.1	2D		Software	ERA300
ERA8.6.1.1.1	The system shall validate the results of digital adaptations for conformance with associated templates	ERA8.6.1.1	2D		Software	LM300
ERA8.6.1.2	The system shall provide the capability to report the results of transformations	ERA8.6.1.2	2D		Software	ERA301
ERA8.6.1.2.1	The system shall provide the capability to report on the documented effects on content from digital adaptations	ERA8.6.1.2	2D		Software	LM981
ERA8.6.1.2.2	The system shall provide the capability to report on the documented effects on presentation from digital adaptations	ERA8.6.1.2	2D		Software	LM982
ERA8.6.1.2.3	The system shall provide the capability to report on the documented effects on behavior from digital adaptations	ERA8.6.1.2	2D		Software	LM983
ERA8.6.1.2.4	The system shall provide the capability to report on the detected effects on content from digital adaptations	ERA8.6.1.2	2D		Software	LM984
ERA8.6.1.2.5	The system shall provide the capability to report on the detected effects on presentation from digital adaptations	ERA8.6.1.2	2D		Software	LM985
ERA8.6.1.2.6	The system shall provide the capability to report on the detected effects on behavior from digital adaptations	ERA8.6.1.2	2D		Software	LM986
ERA8.6.1.2.7	The system shall provide the capability to report the results of digital adaptations	ERA8.6.1.2	2D		Software	LM301
ERA8.6.1.3	The system shall provide the capability to flag records that have undergone incomplete transformations	ERA8.6.1.3	2D		Software	ERA302
ERA8.6.1.3.1	The system shall provide the capability to identify records that have undergone incomplete digital adaptations	ERA8.6.1.3	2D		Software	LM302
ERA8.6.1.4	The system shall provide the capability to flag records that have undergone incorrect transformations	ERA8.6.1.4	2T		Software	ERA303
ERA8.6.1.4.1	The system shall provide the capability to identify records that have undergone incorrect digital adaptations	ERA8.6.1.4	2T		Software	LM303
ERA8.6.1.5	The system shall provide the capability to correct problems with transformations	ERA8.6.1.5	2D		Software	ERA304
ERA8.6.1.5.1	The system shall provide the capability for users to manually correct problems with digital adaptation processes	ERA8.6.1.5	2D		Software	LM987
ERA8.6.1.5.2	The system shall provide the capability to deprecate a digital adaptation process	ERA8.6.1.5	2T		Software	LM988

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA8.6.1.5.3	The system shall notify users when a digital adaptation process is deprecated	ERA8.6.1.5	2 D		Software	LM989
ERA8.6.1.5.4	The system shall provide the capability to correct problems with digital adaptations	ERA8.6.1.5	2 D		Software	LM304
ERA8.6.1.6	The system shall provide the capability to reinsert corrected transformations	ERA8.6.1.6	2 D		Software	ERA305
ERA8.6.1.6.1	The system shall provide the capability to reinsert corrected digital items into electronic records	ERA8.6.1.6	2 D		Software	LM305
ERA8.6.1.7	The system shall provide the capability to digitally adapt electronic records into a hardware/software independent format	ERA8.6.1	2 A		Hardware	LM299
ERA8.6.2	The system shall provide the capability to digitally adapt electronic records into persistent formats	ERA8.6	2 A		Software	LM298
ERA8.7	The system shall store the files output from preservation processes	ERA8.7	2 D		Software	ERA306
ERA8.7.1	The system shall store the files output from format transformation	ERA8.7.1	2 D		Software	ERA307
ERA8.7.1.1	The system shall store the resulting digital items from transforming digital adaptation processes	ERA8.7.1	2 D		Software	LM307
ERA8.7.2	The system shall store the files output from transformation to a persistent format	ERA8.7.2	2 D		Software	ERA308
ERA8.7.2.1	The system shall store the resulting digital items from digital adaptation processes that produce persistent objects	ERA8.7.2	2 D		Software	LM308
ERA8.7.3	The system shall store the digital items output from preservation processes	ERA8.7	2 D		Software	LM306
ERA8.8	The system shall provide foreign language extensibility such that foreign language electronic records may be preserved in the future without the need for major redesign	ERA8.8	2 I		Software	ERA309
ERA8.9	The system shall provide the capability for preservation planning	ERA8.9	2 D		Software	ERA310
ERA8.9.1	The system shall provide the capability for users to create preservation and access plans	ERA8.9.1	2 D		Software	ERA311
ERA8.9.1.1	The system shall provide the capability for users to create a new version of an approved preservation and service plan to allow it to be modified	ERA8.9.1	2 D		Software	LM311
ERA8.9.2	The system shall provide the capability to access preservation and access plans	ERA8.9.2	2 D		Software	ERA312
ERA8.9.2.1	The system shall provide the capability to output versions of a preservation and service plan	ERA8.9.2	2 D		Software	LM3321
ERA8.9.2.2	The system shall provide the capability to present versions of a preservation and service plan	ERA8.9.2	2 D		Software	LM312
ERA8.9.3	The system shall provide the capability for users to update preservation and access plans	ERA8.9.3	2 D		Software	ERA313

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM Allocation	LM ID
ERA8.9.3.1	The system shall provide the capability for users to modify versions of a preservation and service plan	ERA8.9.3	2 D	Software	LM313
ERA8.9.4	The system shall provide the capability for users to delete preservation and access plans	ERA8.9.4	2 D	Software	ERA314
ERA8.9.4.1	The system shall provide the capability for users to delete versions of a preservation and service plan	ERA8.9.4	2 D	Software	LM314
ERA8.9.5	The system shall provide the capability for users to associate a preservation and service plan with electronic records	ERA8.9.5	2 D	Software	ERA315
ERA8.9.6	The system shall provide the capability for users to associate a preservation and service plan with an item in a disposition agreement	ERA8.9.6	2 D	Software	ERA316
ERA8.9.7	The system shall provide the capability for the preservation and service plan to define the preservation level for the electronic records to which it is associated	ERA8.9.7	2 D	Software	ERA317
ERA8.9.8	The system shall provide the capability for the preservation and service plan to define the access methods for the electronic records to which it is associated	ERA8.9.8	2 D	Software	ERA318
ERA8.9.9	The system shall provide the capability for users to collaborate on preservation and service plans	ERA8.9	2 D	Software	LM991
ERA8.9.10	The system shall maintain the version history of a preservation and service plan	ERA8.9	2 D	Software	LM992
ERA8.9.11	The system shall assign a constant unique identifier to each version of a preservation and service plan	ERA8.9	2 D	Software	LM994
ERA8.9.12	The system shall provide the capability for a user to approve preservation and service plans	ERA8.9	2 D	Software	LM995
ERA8.9.13	The system shall provide the capability to create a preservation and service plan	ERA8.9	2 D	Software	LM3322
ERA8.13	The system shall provide a registry of digital adaptation descriptors	ERA8	2 D	Software	LM1012
ERA8.13.1	The system shall provide the capability to add digital adaptation descriptors to the digital adaptation descriptor registry	ERA8	2 D	Software	LM1014
ERA8.13.2	The system shall provide the capability to update digital adaptation descriptors in the digital adaptation descriptor registry	ERA8	2 D	Software	LM1015
ERA8.13.3	The system shall provide the capability to delete digital adaptation descriptors from the digital adaptation descriptor registry	ERA8	2 D	Software	LM1016
ERA8.13.4	The system shall provide the capability to access digital adaptation descriptors from the digital adaptation descriptor registry	ERA8	2 D	Software	LM1017
ERA8.13.5	The system shall provide the capability to search digital adaptation descriptors contained in the digital adaptation descriptor registry	ERA8	2 D	Software	LM1018



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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA8.13.6	The system shall provide the capability to list all digital adaptation descriptors contained in the digital adaptation descriptor registry	ERA8	2	I	Software	LM1019
ERA8.13.7	The system shall maintain the version history of digital adaptation descriptors	ERA8	2	D	Software	LM1020
ERA8.13.8	The system shall assign a constant unique Identifier to each version of a digital adaptation descriptor	ERA8	2	D	Software	LM1021
ERA8.14	The system shall provide the capability to associate digital adaptation descriptors with data type descriptors	ERA8	2	D	Software	LM1013
ERA8.15	The system shall create a new version of an approved digital adaptation descriptor to allow it to be modified	ERA8	2	D	Software	LM1022
ERA8.16	The system shall provide the capability to view versions of a digital adaptation descriptor	ERA8	2	D	Software	LM1023
ERA8.17	The system shall provide the capability to modify versions of a digital adaptation descriptor	ERA8	2	D	Software	LM1024
ERA8.18	The system shall provide the capability to delete versions of a digital adaptation descriptor	ERA8	2	D	Software	LM1025
ERA8.19	The system shall provide the capability to associate digital adaptation processors with digital adaptation descriptors	ERA8	2	T	Software	LM1027
ERA8.20	The system shall capture a user's certification of authenticity of digital adaptation processors	ERA8	2	T	Software	LM1028
ERA9	The system shall provide the capability for arrangements of electronic records	ERA9	2	D	Software	ERA319
ERA9.1	The system shall provide the capability to provide electronic records to users in accordance with any defined arrangement	ERA9.1	2	T	Software	ERA320
ERA9.2	The system shall provide the capability for users to input data defining an arrangement of records	ERA9.2	2	D	Software	ERA321
ERA9.2.1	The system shall provide the capability to use information provided by the transferring entity to determine the arrangement	ERA9.2.1	2	D	Software	ERA322
ERA9.2.2	The system shall provide the capability to use templates provided by the transferring entity to determine the arrangement	ERA9.2.2	2	D	Software	ERA323
ERA9.3	The system shall provide the capability to recreate the arrangement of electronic records as defined in information provided by the transferring entity	ERA9.3	2	D	Software	ERA324
ERA9.4	The system shall provide the capability for multiple arrangements	ERA9.4	2	D	Software	ERA325
ERA9.4.1	The system shall manage versions of arrangements	ERA9.4.1	2	D	Software	ERA326
ERA9.4.1.1	The system shall assign a constant unique identifier to each version of an arrangement	ERA9.4.1	2	D	Software	LM1029

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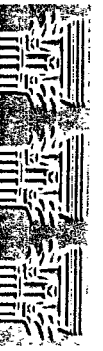
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LM Tag	LM Requirements	R/D Trace Tag	Incr.	VM	Allocation	LM ID
ERA9.4.1.2	The system shall create a new version of an approved arrangement to allow it to be modified	ERA9.4.1	2 D		Software	LM1030
ERA9.4.1.3	The system shall provide the capability to view versions of an arrangement	ERA9.4.1	2 D		Software	LM1031
ERA9.4.1.4	The system shall provide the capability to modify versions of an arrangement	ERA9.4.1	2 D		Software	LM1033
ERA9.4.1.5	The system shall maintain the version history of an arrangement	ERA9.4.1	2 D		Software	LM326
ERA9.4.2	The system shall provide the capability to define arrangements of electronic records in addition to the original order	ERA9.4.2	2 D		Software	ERA327
ERA9.4.3	The system shall provide the capability to implement arrangements of electronic records in addition to the original order	ERA9.4.3	2 D		Software	ERA328
ERA9.4.4	The system shall provide the capability to present arrangements of electronic records in addition to the original order	ERA9.4.4	2 D		Software	ERA329
ERA9.4.5	The system shall provide the capability to define the relationship between an electronic record in one arrangement and an electronic record in another arrangement	ERA9.4.5	2 D		Software	ERA330
ERA9.5	The system shall provide the capability to delete arrangements	ERA9.5	2 D		Software	ERA331
ERA9.5.1	The system shall provide the capability for users to delete versions of arrangements that are not the original order	ERA9.5	2 D		Software	LM331
ERA9.6	The system shall provide the capability to associate electronic records with a defined arrangement	ERA9.6	2 D		Software	ERA332
ERA9.7	The system shall provide the capability to define the position of an electronic record in an arrangement	ERA9.7	2 D		Software	ERA333
ERA9.8	The system shall provide the capability for hierarchical grouping of sets of electronic records within an arrangement	ERA9.8	2 D		Software	ERA334
ERA9.9	The system shall provide the capability to associate additional electronic records with an arrangement over time	ERA9.9	2 D		Software	ERA335
ERA9.9.1	The system shall provide the capability to add electronic records to an arrangement	ERA9.9	2 D		Software	LM335
ERA9.10	The system shall provide the capability to associate additional sets of electronic records with an arrangement over time	ERA9.10	2 D		Software	ERA336
ERA9.10.1	The system shall provide the capability to add electronic record sets to an arrangement	ERA9.10	2 D		Software	LM336
ERA9.11.1	The system shall provide the capability to designate a defined arrangement as the original order of a set of records	ERA9.11.1	2 D		Software	ERA338
ERA9.11.2	The system shall permit only one arrangement to be defined as the original order for any set of records in the system	ERA9.11.2	2 D		Software	ERA339

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA9.12	The system shall provide the capability for ERA users to collaborate on arrangements	ERA9	2	D	Software	LM1035
ERA9.13	The system shall provide the capability to remove electronic records from an arrangement	ERA9	2	D	Software	LM3144
ERA9.14	The system shall provide the capability to remove electronic record sets from an arrangement	ERA9	2	D	Software	LM3176
ERA9.15	The system shall provide the capability to create an arrangement	ERA9	2	D	Software	LM3323
ERA10.1.2	The system shall store a copy of the electronic records produced as a result of preservation processing	ERA10.1.2	2	D	Software	ERA343
ERA10.2.1.1	The system shall provide the capability to export self-describing media containing assets from the ERA data storage repository in accordance with the Interface Requirements Specification	ERA10.2.1	2	D	Hardware, Software	LM347
ERA10.2.3.2	The system shall provide the capability to recover an electronic record by retrieving a copy from another ERA instance	ERA10.2.3	2	D	Software	LM1118
ERA12	The system shall provide media management	ERA12	2	A	Hardware, Software	ERA361
ERA12.9	The system shall manage refreshment of archive media	ERA12.9	2	I	Hardware, Software	ERA370
ERA12.9.3	The system shall provide the capability to determine when the media has reached end-of-life based on age	ERA12.9	2	I	Hardware	LM1132
ERA12.9.4	The system shall provide the capability to determine when the media has reached end-of-life based on usage	ERA12.9	2	I	Hardware	LM1133
ERA16.5	The system shall use templates to check the archival properties of transferred electronic records	ERA16.5	2	T	Software	ERA461
ERA16.5.1	The system shall use templates to check the structure of transferred electronic records	ERA16.5.1	2	T	Software	ERA462
ERA16.5.2	The system shall use templates to check the representation information of transferred electronic records	ERA16.5.2	2	T	Software	ERA463
ERA16.5.3	The system shall use templates to check the arrangement of an aggregate of transferred electronic records	ERA16.5.3	2	T	Software	ERA464
ERA16.6.2	The system shall provide the capability for inclusion of DOD-STD 5015.2 record profiles for records in a transfer	ERA16.6.2	2	A	Software	ERA467
ERA16.6.2.1	The system shall provide the capability for inclusion of DOD-STD 5015.2 record profiles for records in a transfer, in accordance with the Interface Requirements Specification	ERA16.6.2	2	A	Software	LM467

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA17	The system shall provide the capability for access review of the assets it contains	ERA17	2D		Software	ERA468
ERA17.1	The system shall assist with review determinations	ERA17.1	2D		Software	ERA469
ERA17.1.1	The system shall provide the capability to identify differences in access review determinations applied to copies of the same asset	ERA17.1.1	2D		Software	ERA470
ERA17.1.1.1	The system shall provide the capability to notify the access reviewer of differences in access review determinations applied to copies of the same asset	ERA17.1.1	2D		Software	LM1254
ERA17.1.2	The system shall provide the capability to identify differences in classifications applied to copies of the same asset	ERA17.1.2	2D		Software	ERA471
ERA17.1.2.1	The system shall provide the capability to notify the access reviewer of differences in classifications applied to copies of the same asset	ERA17.1.2	2D		Software	LM1255
ERA17.1.3	The system shall provide the capability to recognize potentially access restricted assets	ERA17.1.3	2D		Software	ERA472
ERA17.1.4	The system shall notify the access reviewer of the existence of potentially access restricted electronic records	ERA17.1.4	2D		Software	ERA473
ERA17.1.4.1	The system shall notify the access reviewer of the existence of potentially access restricted electronic records within a unit of work	ERA17.1.4	2D		Software	LM473
ERA17.1.5	The system shall provide the capability to assist in determining whether the same electronic records have been released previously	ERA17.1.5	2D		Software	ERA474
ERA17.1.6	The system shall provide the capability to assist in determining whether the same assets have been released previously	ERA17.1.6	2D		Software	ERA475
ERA17.1.7	The system shall provide a reference capability containing statutes and guidance relevant to the access review process	ERA17.1.7	2D		Software	ERA476
ERA17.1.8	The system shall provide the capability to assign access review requests to a user group	ERA17.1	2D		Software	LM1256
ERA17.1.9	The system shall provide the capability to collaborate with equity holders	ERA17.1	2D		Software	LM1257
ERA17.1.9.1	The system shall provide the capability to identify equity holders for assets undergoing access review	ERA17.1	2D		Software	LM1258
ERA17.1.9.2	The system shall provide the capability to create a review request to equity holders for assets undergoing access review	ERA17.1	2D		Software	LM1259
ERA17.1.9.3	The system shall provide the capability to track the status of requests to equity holders in an access review process	ERA17.1	2D		Software	LM1260
ERA17.1.9.4	The system shall provide the capability to capture proposed equity holder feedback	ERA17.1	2D		Software	LM1261



LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA17.1.9.5	The system shall provide the capability for a user to collate the guidance and proposed reductions from equity holder reviewers	ERA17.1	2D		Software	LM1262
ERA17.1.9.6	The system shall provide the capability to terminate a request to equity holders in an access review process	ERA17.1	2D		Software	LM1263
ERA17.1.9.7	The system shall provide the capability to modify a review request to equity holders for assets undergoing access review	ERA17.1	2D		Software	LM3151
ERA17.2	The system shall capture the results of the access review	ERA17.2	2D		Software	ERA477
ERA17.2.1	The system shall capture the review determination	ERA17.2.1	2D		Software	ERA478
ERA17.2.2	The system shall capture the reason for the review determination	ERA17.2.2	2D		Software	ERA479
ERA17.2.2.1	The system shall capture the reasons for the review determination as provided by the reviewers	ERA17.2.2	2D		Software	LM479
ERA17.2.3	The system shall link the review determination to the affected electronic record	ERA17.2.3	2D		Software	ERA480
ERA17.2.4	The system shall capture the identity of the authors of the review determination	ERA17.2	2D		Software	LM1264
ERA17.2.5	The system shall capture the date and time when the review determination was finalized	ERA17.2	2D		Software	LM1265
ERA17.2.6	The system shall capture the status of an access review	ERA17.2	2D		Software	LM1266
ERA17.3	The system shall produce notifications that additional reviewers need to perform a review	ERA17.3	2D		Software	ERA481
ERA17.3.1	The system shall provide the capability for a user to identify additional equity holders	ERA17.3	2D		Software	LM1267
ERA17.3.2	The system shall provide the capability for a user to add additional equity holders to a review list	ERA17.3	2D		Software	LM1268
ERA17.4	The system shall provide the capability to change a review determination over time	ERA17.4	2D		Software	ERA482
ERA17.4.1	The system shall display the review determination history of an electronic record upon request	ERA17.4.1	2D		Software	ERA483
ERA17.5	The system shall provide the capability to declassify assets	ERA17.5	2D		Software	ERA484
ERA17.5.1	The system shall provide the capability to declassify individual records	ERA17.5.1	2D		Software	ERA485
ERA17.5.2	The system shall provide the capability to declassify sets of records	ERA17.5.2	2D		Software	ERA486
ERA17.5.3	The system shall capture declassification information	ERA17.5.3	2D		Software	ERA487
ERA17.5.4	The system shall provide the capability to identify assets eligible for update of their classification as determined by their disposition agreement	ERA17.5	2D		Software	LM1269
ERA17.5.5	The system shall provide the capability to identify assets eligible for update of their classification as determined by their transfer agreement	ERA17.5	2D		Software	LM3178



LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA17.5.6	The system shall provide the capability to identify assets eligible for update of their classification as determined by legislation	ERA17.5	2	D	Software	LM3179
ERA17.5.7	The system shall provide the capability to identify assets eligible for update of their classification as determined by regulations	ERA17.5	2	D	Software	LM3180
ERA17.5.8	The system shall provide the capability to identify assets eligible for update of their classification as determined by the originating entity	ERA17.5	2	D	Software	LM3328
ERA17.6	The system shall manage review determinations	ERA17.6	2	D	Software	ERA488
ERA17.6.1	The system shall provide the capability to define new review determinations	ERA17.6.1	2	D	Software	ERA489
ERA17.6.2	The system shall provide the capability to update available review determinations	ERA17.6.2	2	D	Software	ERA490
ERA17.6.3	The system shall provide the capability to delete available review determinations	ERA17.6.3	2	D	Software	ERA491
ERA17.6.4	The system shall provide the capability for a review determination of "fully release"	ERA17.6.4	2	D	Software	ERA492
ERA17.6.5	The system shall provide the capability for a review determination of "partially release"	ERA17.6.5	2	D	Software	ERA493
ERA17.6.6	The system shall provide the capability for a review determination of "redact"	ERA17.6.6	2	D	Software	ERA494
ERA17.6.7	The system shall provide the capability for a review determination of "withhold"	ERA17.6.7	2	D	Software	ERA495
ERA17.6.7.1	The system shall provide the capability to create a placeholder for withheld electronic records indicating reasons for withholding	ERA17.6.7.1	2	D	Software	ERA496
ERA17.6.8	The system shall provide the capability for a review determination of "withdraw"	ERA17.6.8	2	D	Software	ERA497
ERA17.6.9	The system shall provide the capability to view available review determination types	ERA17.6	2	D	Software	LM1270
ERA17.7	The system shall provide the capability to manage an access review process on an access review case	ERA17	2	D	Software	LM1271
ERA17.7.1	The system shall provide the capability to capture the status of each item within an access review case	ERA17	2	D	Software	LM1272
ERA17.7.2	The system shall provide the capability to apply a review determination at the item level in an access review case	ERA17	2	D	Software	LM1273
ERA17.7.3	The system shall provide the capability to capture the status of the access review case	ERA17	2	D	Software	LM1274
ERA18	The system shall provide the capability for redaction of the assets it contains	ERA18	2	D	Software	ERA498
ERA18.1	The system shall provide the capability for the user to produce redacted versions of the assets it contains	ERA18.1	2	D	Software	ERA499

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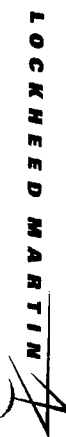


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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA18.1.1	The system shall provide the capability to remove any content from an asset to produce a redacted version of the asset	ERA18.1.1	2D		Software	ERA500
ERA18.1.1.1	The system shall provide the capability to delete content from an asset to produce a redacted version of the asset	ERA18.1.1	2D		Software	LM500
ERA18.1.2	The system shall provide the capability to replace any content from an asset to produce a redacted version of the asset	ERA18.1.2	2D		Software	ERA501
ERA18.1.3	The system shall provide the capability to indicate where redaction has occurred	ERA18.1.3	2D		Software	ERA502
ERA18.2	The system shall manage redacted versions of assets	ERA18.2	2D		Software	ERA503
ERA18.2.1	The system shall assign a constant unique identifier to the redacted version of an asset	ERA18.2	2D		Software	LM1275
ERA18.2.2	The system shall associate an asset with all redacted versions of that asset	ERA18.2	2D		Software	LM1276
ERA18.2.3	The system shall associate the disposition agreement to a redacted version of an asset from which it was derived	ERA18.2	2D		Software	LM1277
ERA18.2.4	The system shall associate the description information to a redacted version of an asset from which it was derived	ERA18.2	2D		Software	LM1278
ERA18.2.5	The system shall provide the capability to associate new description information to a redacted version of an asset	ERA18.2	2D		Software	LM3191
ERA18.2.6	The system shall associate the lifecycle data to a redacted version of an asset from which it was derived	ERA18.2	2D		Software	LM3192
ERA18.2.7	The system shall provide the capability to associate new lifecycle data to a redacted version of an asset	ERA18.2	2D		Software	LM1279
ERA18.3	The system shall provide the capability to present the redacted version of the assets it contains	ERA18.3	2D		Software	ERA504
ERA18.4	The system shall create a copy of the assets for redaction	ERA18.4	2D		Software	ERA505
ERA18.5	The system shall prohibit redaction of any preservation copy of an electronic record	ERA18.5	2D		Software	ERA506
ERA18.5.1	The system shall prohibit redaction of any electronic record digital component maintained for preservation	ERA18.5.1	2D		Software	ERA507
ERA18.6	The system shall provide the capability to capture redaction information	ERA18.6	2D		Software	ERA508
ERA18.6.1	The system shall capture the reason(s) for the redaction	ERA18.6.1	2D		Software	ERA509
ERA18.6.1.1	The system shall provide the capability to link the reasons for redaction to each version of the redaction of an asset	ERA18.6.1.1	2D		Software	ERA510
ERA18.6.1.2	The system shall provide the capability to display information concerning the redaction during display of the redacted asset	ERA18.6.1.2	2D		Software	ERA511

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA18.6.2	The system shall capture the identity of the individual who performed a redaction	ERA18.6.2	2 D		Software	ERA512
ERA18.6.3	The system shall capture the date of a redaction	ERA18.6.3	2 D		Software	ERA513
ERA18.6.3.1	The system shall capture the date and time of a redaction	ERA18.6.3	2 D		Software	LM513
ERA18.7.1	The system shall provide the capability to redact text	ERA18.7	2 D		Software	LM1280
ERA18.7.2	The system shall provide the capability to redact still images	ERA18.7	2 D		Software	LM1281
ERA18.7.6	The system shall provide the capability to redact structured data	ERA18.7	2 D		Software	LM3183
ERA18.9	The system shall provide the capability to display the disposition agreement for the electronic record being redacted	ERA18.9	2 D		Software	ERA516
ERA18.10	The system shall provide the capability to identify the redacted versions of assets	ERA18.10	2 D		Software	ERA517
ERA19.1.2	The system shall provide the capability to search by geographic information	ERA19.1.2	2 D		Software	ERA521
ERA19.1.3	The system shall provide the capability to search by subject	ERA19.1.3	2 D		Software	ERA522
ERA19.1.3.1	The system shall provide the capability for a free text search against a controlled list of subjects	ERA19.1.3	2 D		Software	LM522
ERA19.1.4	The system shall provide the capability to search by time period	ERA19.1.4	2 D		Software	ERA523
ERA19.1.4.1	The system shall provide the capability to search by range of dates	ERA19.1.4	2 D		Software	LM523
ERA19.1.7	The system shall provide the capability to search by government function	ERA19.1.7	2 D		Software	ERA526
ERA19.1.8	The system shall provide the capability to search by government line of business	ERA19.1.8	2 D		Software	ERA527
ERA19.1.12	The system shall provide the capability to search by media type	ERA19.1.12	2 D		Software	ERA531
ERA19.1.12.1	The system shall provide the capability for a search against a controlled list of input media types	ERA19.1.12	2 D		Software	LM531
ERA19.1.13	The system shall provide the capability to search by record type	ERA19.1.13	2 D		Software	ERA532
ERA19.1.13.1	The system shall provide the capability for a search against a controlled list of record types	ERA19.1.13	2 D		Software	LM532
ERA19.1.14	The system shall provide the capability to search descriptions by description unique identifier	ERA19.1.14	2 D		Software	ERA533
ERA19.1.15	The system shall provide the capability to search by title	ERA19.1.15	2 D		Software	ERA534
ERA19.1.20	The system shall provide the capability for proximity searching	ERA19.1.20	2 D		Software	ERA539
ERA19.1.20.1	The system shall provide the capability to use proximity operators within search criteria	ERA19.1.20	2 D		Software	LM539
ERA19.1.21	The system shall provide the capability to search based on the frequency of access to assets by other researchers doing similar searches	ERA19.1.21	2 D		Software	ERA540





LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA19.1.21.1	The system shall provide the capability to order search results on the basis of frequency of access	ERA19.1.21	2D		Software	LM1292
ERA19.1.21.2	The system shall capture information about how frequently an asset is accessed	ERA19.1.21	2D		Software	LM1293
ERA19.1.21.3	The system shall provide the capability to search on the basis of frequency of access to assets by similar searches	ERA19.1.21	2D		Software	LM540
ERA19.1.23	The system shall provide the capability to search only for descriptions that refer to electronic records	ERA19.1.23	2D		Software	ERA542
ERA19.1.26	The system shall provide the capability for searching authority sources for people	ERA19.1.26	2D		Software	ERA545
ERA19.1.26.1	The system shall provide the capability for searching authority sources for names	ERA19.1.26	2D		Software	LM1300
ERA19.1.26.2	The system shall provide the capability for searching authority sources for titles	ERA19.1.26	2D		Software	LM1301
ERA19.1.27	The system shall provide the capability for searching authority sources for organizations	ERA19.1.27	2D		Software	ERA546
ERA19.1.28	The system shall provide the capability for the use of designated "stop words" that are disregarded during searches	ERA19.1.28	2D		Software	ERA547
ERA19.1.28.1	The system shall provide the capability for a user to view the stop word list	ERA19.1.28	2D		Software	LM1302
ERA19.1.28.2	The system shall provide the capability for a user to update the stop word list	ERA19.1.28	2D		Software	LM1303
ERA19.1.28.3	The system shall provide the capability to apply an index of "stop words" that are disregarded during searches	ERA19.1.28	2D		Software	LM547
ERA19.1.30	The system shall provide the capability to search by organizations	ERA19.1	2D		Software	LM3329
ERA19.1.31	The system shall provide the capability to use the results of an authority source search within the search criteria of a search against assets	ERA19.1	2D		Software	LM3330
ERA19.1.32	The system shall be extensible to search against new authority source types	ERA19.1	2A		Software	LM3331
ERA19.2.1	The system shall provide the capability to perform content-based searches within a selected set of assets	ERA19.2	2D		Software	LM1307
ERA19.2.2	The system shall provide the capability to perform content-based searches within supported data types	ERA19.2	2D		Software	LM1308
ERA19.2.3	The system shall provide the capability to manage content-based search processing independently of other system functions	ERA19.2	2D		Software	LM1310
ERA19.3	The system shall provide the capability to search through hierarchies of information	ERA19.3	2D		Software	ERA550
ERA19.3.1	The system shall provide the capability to navigate from a description to an individual electronic record	ERA19.3.1	2D		Software	ERA551

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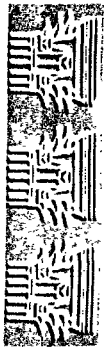


LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA19.3.1.1	The system shall provide the capability to navigate from a description to an individual electronic record the description describes	ERA19.3.1	2 D		Software	LM551
ERA19.3.2	The system shall provide the capability to navigate from an individual electronic record to an associated description	ERA19.3.2	2 D		Software	ERA552
ERA19.3.2.1	The system shall provide the capability to navigate from an individual electronic record to descriptions which describe the record	ERA19.3.2	2 D		Software	LM552
ERA19.3.3	The system shall provide the capability to navigate from a description to a set of electronic records	ERA19.3.3	2 D		Software	ERA553
ERA19.3.3.1	The system shall provide the capability to navigate from a description to sets of records the description describes	ERA19.3.3	2 D		Software	LM553
ERA19.3.4	The system shall provide the capability to navigate from a set of electronic records to a description of the set	ERA19.3.4	2 D		Software	ERA554
ERA19.3.7	The system shall provide the capability to navigate from a description to a description of the description's creator	ERA19.3.7	2 D		Software	ERA557
ERA19.4	The system shall provide NARA-created default searches	ERA19.4	2 D		Software	ERA558
ERA19.4.1	The system shall provide the capability for users to select a NARA default search from among available searches	ERA19.4.1	2 D		Software	ERA559
ERA19.4.2	The system shall run the user-selected NARA default search	ERA19.4.2	2 D		Software	ERA560
ERA19.4.3	The system shall provide the capability for authorized users to create default searches	ERA19.4	2 D		Software	LM1311
ERA19.4.4	The system shall provide the capability for authorized users to update default searches	ERA19.4	2 D		Software	LM1312
ERA19.4.5	The system shall provide the capability for authorized users to delete default searches	ERA19.4	2 D		Software	LM1313
ERA19.6	The system shall provide the capability to control search run times	ERA19.6	2 A		Software	ERA562
ERA19.6.1	The system shall limit search run times in a pre-emptive manner	ERA19.6.1	2 A		Software	ERA563
ERA19.6.1.1	The system shall provide the capability to refuse execution of a search when the estimated run time exceeds the limit for the run time	ERA19.6.1	2 D		Software	LM1317
ERA19.6.2.2	The system shall provide the capability for a user to set a run time limit on a search that is lower than the default value	ERA19.6.2	2 D		Software	LM1320
ERA19.7.1	The system shall provide a search progress indicator	ERA19.7.1	2 D		Software	ERA566
ERA19.7.1.1	The system shall provide the capability to assess the progress of a search process	ERA19.7	2 D		Software	LM1322
ERA19.7.3	The system shall provide an estimate to the user of how long the search will take to execute	ERA19.7.3	2 D		Software	ERA568

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA19.7.3.1	The system shall estimate how long the search will take to execute	ERA19.7.3	2D		Software	LM1323
ERA19.8.3	The system shall exclude from display assets whose existence cannot be disclosed to the requesting user	ERA19.8.3	2D		Software	ERA573
ERA19.8.7	The system shall provide the capability to rank the results of the search by relevance	ERA19.8.7	2D		Software	ERA577
ERA19.8.7.1	The system shall provide the capability to assign each result a relevancy score	ERA19.8.7	2D		Software	LM3152
ERA19.8.8	The system shall present the search results set at user-selectable levels of detail	ERA19.8.8	2D		Software	ERA578
ERA19.8.9	The system shall indicate different versions of a record included in the search result set	ERA19.8.9	2D		Software	ERA579
ERA19.9	The system shall provide the capability for a user to refine a search	ERA19.9	2D		Software	ERA580
ERA19.9.1.1	The system shall provide a "more like this" capability to refine a search for more assets similar to those returned by the search	ERA19.9.1.1	2D		Software	ERA582
ERA19.9.1.1.1	The system shall provide the capability to refine a search by looking for assets similar to those selected in a result set	ERA19.9.1.1	2D		Software	LM582
ERA19.11	The system shall provide the capability to save a search	ERA19.11	2D		Software	ERA586
ERA19.11.1	The system shall provide the capability for the user to select a saved search from their saved searches	ERA19.11.1	2D		Software	ERA587
ERA19.11.1.1	The system shall provide the capability for users to select a saved search from a list of their saved searches	ERA19.11.1	2D		Software	LM587
ERA19.11.2	The system shall provide the capability to run saved searches	ERA19.11.2	2D		Software	ERA588
ERA19.11.3	The system shall provide the capability for users to save the set of criteria that defines a search	ERA19.11	2D		Software	LM586
ERA19.12	The system shall provide the capability for users to store results sets over time	ERA19.12	2D		Software	ERA589
ERA19.12.1	The system shall provide the capability to store search results	ERA19.12.1	2D		Software	ERA590
ERA19.12.2	The system shall provide the capability to save selected portions of results sets	ERA19.12.2	2D		Software	ERA591
ERA19.12.3	The system shall maintain a search results set for a specified period of time	ERA19.12.3	2D		Software	ERA592
ERA19.13	The system shall manage mediated searches	ERA19.13	2D		Software	ERA593
ERA19.13.1	The system shall provide the capability to request a mediated search	ERA19.13.1	2D		Software	ERA594
ERA19.13.2	The system shall provide the capability for mediated searchers to dialog with search requestors about their mediated search	ERA19.13.2	2D		Software	ERA595
ERA19.13.3	The system shall provide the capability to manage mediated search request responses	ERA19.13.3	2D		Software	ERA596



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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA19.13.3.1	The system shall provide the capability to capture a mediated search request response	ERA19.13.3	2	D	Software	LM1332
ERA19.13.3.2	The system shall provide the capability to retrieve a mediated search request response	ERA19.13.3	2	D	Software	LM1333
ERA19.13.3.3	The system shall provide the capability to refine a mediated search request response	ERA19.13.3	2	D	Software	LM1334
ERA19.13.3.4	The system shall provide the capability to delete a mediated search request response	ERA19.13.3	2	D	Software	LM1335
ERA19.13.3.5	The system shall provide the capability to forward the results of a mediated search request to the requestor	ERA19.13.3	2	D	Software	LM3193
ERA19.13.3.6	The system shall provide the capability for a requestor to view the results of a mediated search	ERA19.13.3	2	D	Software	LM3194
ERA19.13.4	The system shall provide the capability to prioritize mediated searches	ERA19.13.4	2	D	Software	ERA597
ERA19.13.4.1	The system shall provide the capability to schedule a mediated search request	ERA19.13.4	2	D	Software	LM1336
ERA19.13.4.2	The system shall provide the capability to set the prioritization of a mediated search request	ERA19.13.4	2	D	Software	LM597
ERA20.1.1	The system shall provide the capability for a user to select a presentation of a record from among available formats	ERA20.1	2	D	Software	LM1360
ERA20.1.2	The system shall provide the capability to provide tools to the user to present records in selected formats	ERA20.1	2	T	Software	LM1363
ERA20.1.6	The system shall provide the capability to present digital audio	ERA20.1	2	D	Software	LM1367
ERA20.1.7	The system shall provide the capability to present digital video	ERA20.1	2	D	Software	LM1368
ERA20.1.8	The system shall provide the capability to present line vector images	ERA20.1	2	D	Software	LM1369
ERA20.1.9	The system shall provide the capability to present structured data	ERA20.1	2	D	Software	LM1370
ERA20.2.1	The system shall provide the capability for a user to create an order for copies of assets	ERA20.2	2	D	Software	LM1342
ERA20.3	The system shall provide the capability to output copies of all assets	ERA20.3	2	D	Software	ERA601
ERA20.3.1	The system shall provide the capability to output all assets to media	ERA20.3.1	2	D	Software	ERA602
ERA20.3.1.1	The system shall print address labels for media orders	ERA20.3.1.1	2	D	Software	ERA603
ERA20.3.1.2	The system shall print packing lists for media orders	ERA20.3.1.2	2	D	Software	ERA604
ERA20.3.2	The system shall provide the capability to print all printable assets	ERA20.3.2	2	D	Software	ERA605
ERA20.3.2.1	The system shall provide the capability to print assets identified by the system as printable	ERA20.3.2	2	D	Software	LM605

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA20.4	The system shall provide access to assets independently of the hardware with which they were created	ERA20.4	2D		Software	ERA606
ERA20.4.2	The system shall provide the capability to electronically present assets independently of the hardware with which they were created	ERA20.4.2	2D		Software	ERA608
ERA20.4.2.2	The system shall provide the capability to electronically present assets, as required by the relevant preservation and service plan, independently of the hardware with which they were created	ERA20.4.2	2D		Software	LM608
ERA20.5.2	The system shall provide the capability to electronically present assets independently of the software with which they were created	ERA20.5.2	2D		Software	ERA611
ERA20.10	The system shall provide the capability to output assets in formats selected by the user from available choices	ERA20.10	2D		Software	ERA616
ERA20.10.1	The system shall provide the capability for users to select the output format of selected assets from among available formats	ERA20.10.1	2D		Software	ERA617
ERA20.10.2	The system shall output certified copies of electronic records in formats selectable by the user from available choices	ERA20.10.2	2D		Software	ERA618
ERA20.10.2.1	The system shall provide the capability for a user to assess the authenticity of a record	ERA20.10.2	2D		Operations	LM1346
ERA20.10.2.1.1	The system shall assist in determining the authenticity of a copy of a record	ERA20.10.2	2D		Software	LM1347
ERA20.10.2.2	The system shall provide the capability to apply a certificate of authenticity	ERA20.10.2	2D		Software	LM1348
ERA20.10.3	The system shall output certified copies of electronic records on media selectable by the user from available choices	ERA20.10.3	2D		Software	ERA619
ERA20.11	The system shall maintain the authenticity of an electronic record during access	ERA20.11	2A		Software	ERA621
ERA20.11.1	The system shall maintain electronic record content during access	ERA20.11.1	2D		Software	ERA622
ERA20.11.2	The system shall maintain electronic record specified behavior during access	ERA20.11.2	2D		Software	ERA623
ERA20.11.3	The system shall maintain electronic record context during access	ERA20.11.3	2D		Software	ERA624
ERA20.11.4	The system shall maintain electronic record structure during access	ERA20.11.4	2D		Software	ERA625
ERA20.11.5	The system shall maintain electronic record presentation during access	ERA20.11.5	2D		Software	ERA626
ERA20.11.10	The system shall provide the capability to maintain the essential attributes that support the authenticity of an electronic record during access	ERA20.11	2A		Software	LM621
ERA22.2.3	The system shall collect security clearance information from the user during registration	ERA22.2.3	2D		Software	ERA654
ERA23.3	The system shall provide help desk support functions	ERA23.3	2D		Software	ERA679

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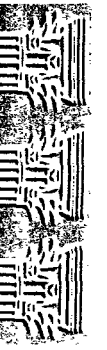
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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA23.3.1	The system shall provide the capability to interface with the NARA Help Desk to receive a ticket according to the the Interface Requirements Specification	ERA23.3	2	D	Software	LM1162
ERA23.3.2	The system shall provide the capability to escalate a ticket between the ERA Help Desk tiers	ERA23.3	2	D	Software	LM1163
ERA23.3.3	The system shall provide the capability to track ticket escalations	ERA23.3	2	D	Software	LM1164
ERA23.3.8	The system shall provide the capability to notify the NARA Help Desk of changes to the ticket status	ERA23.3	2	D	Software	LM1169
ERA23.3.10	The system shall provide the capability for users to create a Help Desk Request that will be routed to the Help Desk	ERA23.3	2	D	Software	LM1171
ERA23.5	The system shall provide the capability to link to NARA resources from within ERA	ERA23.5	2	D	Software	ERA683
ERA23.6	The system shall provide the capability to define specific user assistance products to specific groups of users	ERA23.6	2	D	Software	ERA684
ERA24	The system shall provide the capability for communications with users	ERA24	2	D	Software	ERA687
ERA24.1.3	The system shall provide the capability to categorize communications	ERA24.1.3	2	D	Software	ERA691
ERA24.1.4	The system shall provide the capability to respond to communications	ERA24.1.4	2	T	Software	ERA692
ERA24.1.5	The system shall provide the capability to prioritize communications	ERA24.1.5	2	T	Software	ERA693
ERA24.2	The system shall provide the capability for dialoguing between NARA and users	ERA24.2	2	D	Software	ERA694
ERA24.2.1	The system shall provide the capability to create team collaboration spaces	ERA24.2	2	D	Software	LM1092
ERA24.2.2	The system shall provide the capability to modify team collaboration spaces	ERA24.2	2	D	Software	LM1093
ERA24.2.3	The system shall provide the capability to delete team collaboration spaces	ERA24.2	2	D	Software	LM1094
ERA24.2.4	The system shall provide the capability to control access to team collaboration spaces	ERA24.2	2	T	Software	LM1095
ERA24.2.5	The system shall provide the capability to limit the total storage allocated to a team collaboration space	ERA24.2	2	T	Software	LM3195
ERA24.2.6	The system shall provide the capability to persistently store collaboration objects	ERA24.2	2	D	Software	LM1096
ERA24.2.7	The system shall provide the capability to edit persistently stored collaboration objects	ERA24.2	2	D	Software	LM1097
ERA24.2.8	The system shall provide the capability to control versions of persistently stored objects	ERA24.2	2	D	Software	LM1098
ERA24.2.9	The system shall provide the capability for persistently stored collaboration objects to be addressed using Uniform Resource Identifier links	ERA24.2	2	D	Software	LM1099

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA24.2.10	The system shall provide the capability for users to modify the status of persistently stored collaboration objects	ERA24.2	2	D	Software	LM1100
ERA24.2.11	The system shall provide the capability to add entries to a contact registry	ERA24.2	2	D	Software	LM1101
ERA24.2.12	The system shall provide the capability to modify entries in a contact registry	ERA24.2	2	D	Software	LM1102
ERA24.2.13	The system shall provide the capability to delete users from a contact registry	ERA24.2	2	D	Software	LM1103
ERA24.2.14	The system shall provide the capability for threaded discussions	ERA24.2	2	D	Software	LM1104
ERA24.2.15	The system shall provide the capability for a calendar	ERA24.2	2	D	Software	LM1105
ERA24.2.16	The system shall provide the capability to post events to a calendar	ERA24.2	2	D	Software	LM1106
ERA24.2.17	The system shall provide the capability to update a calendar event	ERA24.2	2	D	Software	LM1107
ERA24.2.18	The system shall provide the capability to delete events from a calendar	ERA24.2	2	D	Software	LM1108
ERA24.2.19	The system shall provide the capability to control access to a calendar	ERA24.2	2	D	Software	LM1109
ERA24.2.20	The system shall provide the capability to post a message to a Bulletin Board	ERA24.2	2	D	Software	LM1110
ERA24.2.21	The system shall provide the capability to subscribe to a Bulletin Board	ERA24.2	2	D	Software	LM1111
ERA24.2.22	The system shall provide the capability to unsubscribe to a Bulletin Board	ERA24.2	2	D	Software	LM1112
ERA25.3	The system shall provide the capability for NARA to define categories of event log information	ERA25.3	2	T	Software	ERA719
ERA25.3.1	The system shall provide the capability to define categories of COTS event log information	ERA25.3	2	T	Software	LM1173
ERA25.3.2	The system shall provide the capability to define categories of event log information for ERA services	ERA25.3	2	T	Software	LM1174
ERA25.4	The system shall provide the capability for NARA to define the retention period for categories of event log information	ERA25.4	2	T	Software	ERA720
ERA25.4.2	The system shall provide the capability to delete event log information by categories according to retention period	ERA25.4	2	T	Software	LM1175
ERA26	The system shall provide reporting capability	ERA26	2	D	Software	ERA729
ERA26.1	The system shall provide the capability to manage reports	ERA26.1	2	D	Software	ERA730
ERA26.1.1.2	The system shall provide the capability to create ad hoc reports	ERA26.1.1	2	D	Software	LM1176
ERA26.1.2	The system shall provide the capability to modify reports	ERA26.1.2	2	D	Software	ERA733
ERA26.1.2.1	The system shall provide the capability for users to modify ad hoc reports	ERA26.1.2	2	D	Software	LM1177
ERA26.2	The system shall provide the capability to select reports	ERA26.2	2	D	Software	ERA739
ERA26.2.2	The system shall provide the capability to select saved ad hoc reports	ERA26.2	2	D	Software	LM1181
ERA26.3	The system shall provide the capability to select report contents	ERA26.3	2	D	Software	ERA740
ERA26.3.1	The system shall provide the capability to include any log event in a report	ERA26.3.1	2	D	Software	ERA741

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA26.3.2	The system shall provide the capability to include the results of any system service in a report	ERA26.3.2	2 T		Software	ERA742
ERA26.3.3	The system shall provide the capability to include electronic records in a report	ERA26.3.3	2 D		Software	ERA743
ERA26.3.3.1	The system shall provide the capability for a user to attach an electronic record file to a report	ERA26.3.3	2 D		Software	LM1182
ERA26.3.3.2	The system shall provide the capability for a user to insert text from an electronic record into a predefined text report	ERA26.3.3	2 D		Software	LM1183
ERA26.3.3.3	The system shall provide the capability for a user to insert graphics from an electronic record into a report	ERA26.3.3	2 D		Software	LM1184
ERA26.3.3.4	The system shall provide the capability for a user to insert references to assets into a report	ERA26.3.3	2 D		Software	LM3177
ERA26.3.4	The system shall provide the capability to combine report contents	ERA26.3.4	2 D		Software	ERA744
ERA26.3.5	The system shall provide the capability to customize report formats	ERA26.3.5	2 T		Software	ERA745
ERA26.3.5.1	The system shall provide the capability for users to customize ad hoc report formats	ERA26.3.5	2 T		Software	LM1185
ERA26.3.6	The system shall provide the capability to graphically represent report results	ERA26.3.6	2 D		Software	ERA746
ERA26.3.6.1	The system shall provide the capability to graphically represent numerically based report results	ERA26.3.6	2 D		Software	LM746
ERA26.3.7	The system shall provide the capability to present report results in tables	ERA26.3.7	2 D		Software	ERA747
ERA26.4	The system shall provide the capability to output report results	ERA26.4	2 D		Software	ERA748
ERA26.4.3	The system shall provide the capability to output reports to other systems	ERA26.4.3	2 D		Software	ERA751
ERA26.4.3.1	The system shall provide the capability to output report files to other systems in accordance with the the Interface Requirements Specification	ERA26.4.3	2 D		Software	LM751
ERA26.5	The system shall provide the capability to make reports available to other users	ERA26.5	2 D		Software	ERA752
ERA26.5.1	The system shall provide the capability to allow users to share ad hoc report definitions	ERA26.5	2 D		Software	LM752
ERA27.2	The system shall manage system failures	ERA27.2	2 T		Software	ERA760
ERA27.2.2	The system shall isolate failures	ERA27.2.2	2 T		Software	ERA762
ERA27.2.2.1	The system shall isolate failures to a site	ERA27.2.2	2 T		Software	LM1190
ERA27.2.2.2	The system shall isolate failures to an instance	ERA27.2.2	2 T		Software	LM1191
ERA28.1	The system shall provide inventory management	ERA28.1	2 T		Software	ERA786
ERA28.1.1	The system shall provide spare parts inventory management	ERA28.1.1	2 T		Software	ERA787
ERA28.1.1.1	The system shall provide the capability to monitor the spare parts inventory	ERA28.1.1.1	2 T		Software	ERA788

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA28.1.1.2	The system shall provide the capability to manage the replenishment of the spare parts inventory	ERA28.1.1.2	2 T		Software	ERA789
ERA28.1.2	The system shall provide consumables inventory management	ERA28.1.2	2 T		Software	ERA790
ERA28.1.2.1	The system shall provide the capability to monitor all the consumables inventories for ERA operations	ERA28.1.2.1	2 T		Software	ERA791
ERA28.1.2.2	The system shall provide the capability to manage the replenishment of the consumables inventories	ERA28.1.2.2	2 T		Software	ERA792
ERA28.1.5	The system shall provide the capability to manage a system-wide inventory of all accountable office equipment within ERA	ERA28.1	2 T		Software	LM1212
ERA29.1.1	The system shall provide the capability for the user to create subscriptions	ERA29.1.1	2 D		Software	ERA805
ERA29.1.1.1	The system shall provide the capability for a user to select characteristics for a subscription	ERA29.1.1	2 D		Software	LM1349
ERA29.1.1.2	The system shall allocate a constant unique identifier for each subscription	ERA29.1.1	2 D		Software	LM1350
ERA29.1.2	The system shall provide the capability for the user to modify subscriptions	ERA29.1.2	2 D		Software	ERA806
ERA29.1.3	The system shall provide the capability for the user to delete subscriptions	ERA29.1.3	2 D		Software	ERA807
ERA29.1.6	The system shall provide the capability for the System Administrator to execute all subscription management functions on behalf of the user	ERA29.1.6	2 D		Software	ERA810
ERA29.1.7	The system shall provide the capability to display a list of a user's subscriptions	ERA29	2 D		Software	LM1354
ERA29.2	The system shall provide the capability to manage subscription processing independently of other system performance functions	ERA29.2	2 T		Software	ERA811
ERA29.2.1	The system shall provide the capability to limit system resources available to a user for subscription processing	ERA29.2	2 D		Software	LM1351
ERA29.3	The system shall provide the capability to execute any combination of services in response to any combination of events	ERA29.3	2 D		Software	ERA812
ERA29.3.1	The system shall provide the capability for any service to be eligible for subscription	ERA29.3.1	2 D		Software	ERA813
ERA29.3.1.1	The system shall provide the capability to allow a user to identify services eligible for subscription	ERA29.3.1	2 D		Software	LM1352
ERA29.3.2	The system shall provide the capability for any system event to be eligible for subscription	ERA29.3.2	2 D		Software	ERA814
ERA29.3.2.1	The system shall provide the capability to allow an administrative user to identify events eligible for subscription	ERA29.3.2	2 D		Software, Operations	LM1353
ERA29.3.3	The system shall provide the capability to execute a combination of services from a list of eligible services in response to a combination of events from a list of eligible events	ERA29.3	2 D		Software	LM812

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA29.4	The system shall provide the capability to execute a subscription a specified number of times	ERA29.4	2	D	Software	ERA815
ERA29.4.1	The system shall provide the capability for the user to specify the number of times a subscription is to be executed	ERA29.4.1	2	D	Software	ERA816
ERA29.4.1.1	The system shall provide the capability for a user to specify the number of times a subscription is to be executed when the subscription is created	ERA29.4.1	2	D	Software	LM816
ERA29.4.1.2	The system shall provide the capability for a user to specify the number of times a subscription is to be executed when the subscription is modified	ERA29.4.1	2	D	Software	LMNEW1
ERA29.4.2	The system shall delete subscriptions after they have been run the number of times specified by the user	ERA29.4.2	2	D	Software	ERA817
ERA30.4	The system shall provide the capability to prioritize services	ERA30.4	2	T	Software	ERA825
ERA30.4.1	The system shall provide the capability to prioritize different categories of services	ERA30.4.1	2	T	Software	ERA826
ERA30.4.2	The system shall provide the capability to prioritize individual service executions within a category of service	ERA30.4.2	2	T	Software	ERA827
ERA30.7	The system shall provide the capability to limit service execution times	ERA30.7	2	T	Software	ERA833
ERA30.7.1	The system shall limit individual service execution run times in a pre-emptive manner	ERA30.7.1	2	T	Software	ERA834
ERA30.7.1.1	The system shall provide the capability to limit individual service execution run times in a pre-emptive manner based on user role	ERA30.7.1	2	T	Software	LM1113
ERA30.7.1.2	The system shall provide the capability to limit individual service execution run times in a pre-emptive manner based on fee-for-service	ERA30.7.1	2	T	Software	LM1114
ERA30.7.2	The system shall provide the capability to adjust service execution run time limits	ERA30.7.2	2	D	Software	ERA835
ERA30.8	The system shall provide check-pointing	ERA30.8	2	T	Software	ERA836
ERA30.8.1	The system shall store check-pointed system state information sufficient for full system state recovery	ERA30.8.1	2	T	Software	ERA837
ERA30.8.2	The system shall provide the capability to recover from a check-pointed point in time	ERA30.8.2	2	T	Software	ERA838
ERA30.8.2.1	The system shall provide the capability to recover using check-pointed system state information	ERA30.8.2	2	T	Software	LM838
ERA30.9	The system shall provide the capability for all services to be eligible for fee bearing status	ERA30.9	2	I	Software	ERA839
ERA30.9.1	The system shall interface with external billing systems	ERA30.9.1	2	T	Software	ERA840

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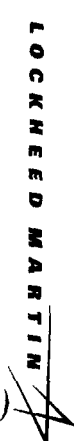
LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA30.9.1.1	The system shall interface with NARA's external billing systems according to the the Interface Requirements Specification	ERA30.9.1	2	T	Software	LM840

Increment 3

LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA2	The system shall provide workflow management	ERA2	3	D	Software	ERA1100
ERA2.5	The system shall estimate resource requirements associated with a workflow	ERA2.5	3	T	Software	ERA127
ERA2.5.1	The system shall make estimated resource requirements associated with a workflow available to other systems	ERA2.5.1	3	T	Software	ERA128
ERA2.5.1.1	The system shall make estimated resource requirements associated with a workflow available to other systems in accordance with the Interface Requirements Specification	ERA2.5.1	3	T	Software	LM128
ERA2.5.2	The system shall provide the capability to collect resource metrics for workflows	ERA2.5	3	T	Software	LM1137
ERA2.11	The system shall manage Privacy Act requests	ERA2.11	3	D	Software, Operations	ERA148
ERA2.11.1	The system shall provide the capability for a user to create a Privacy Act request	ERA2.11	3	D	Software	LM1239
ERA2.11.1.1	The system shall assign a constant unique identifier for each Privacy Act request	ERA2.11	3	D	Software	LM1240
ERA2.11.2	The system shall provide the capability for a user to view a Privacy Act request	ERA2.11	3	D	Software, Operations	LM1242
ERA2.11.3	The system shall provide the capability for a user to update a Privacy Act request	ERA2.11	3	D	Software	LM1243
ERA2.11.4	The system shall provide the capability for a user to delete a Privacy Act request	ERA2.11	3	D	Software	LM1244
ERA2.11.5	The system shall provide the capability to queue Privacy Act requests	ERA2.11	3	D	Software	LM1245
ERA2.11.6	The system shall provide the capability to assign the status of a Privacy Act request	ERA2.11	3	D	Software	LM1246
ERA2.11.7	The system shall provide the capability to validate Privacy Act requests	ERA2.11	3	D	Software	LM1247
ERA2.11.8	The system shall provide the capability to capture disclosure information relating to a Privacy Act request	ERA2.11	3	D	Software, Operations	LM1248
ERA2.11.9	The system shall record Privacy Act appeal requests	ERA2.11	3	D	Software	LM1249

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA2.11.10	The system shall provide the capability to capture amendment information relating to a Privacy Act request	ERA2.11	3 D		Software	LM1250
ERA2.11.11	The system shall monitor the aging of Privacy Act Requests	ERA2.11	3 D		Software	LM1251
ERA2.11.12	The system shall provide the capability for a user to initiate an Access Review process on assets retrieved for a Privacy Act request	ERA2.11	3 D		Operations	LM1252
ERA2.11.13	The system shall report aged Privacy Act requests	ERA2.11	3 D		Software	LM1253
ERA2.11.14	The system shall provide the capability to acknowledge Privacy Act requests	ERA2.11	3 D		Software	LM1241
ERA4.7.4	The system shall provide the capability to update authority sources in linked descriptions when the authority source changes	ERA4.7.2	3 D		Software	LM3318
ERA13	The system shall manage security for electronic records	ERA13	3 D		Software	ERA373
ERA13.2.1	The system shall provide the capability to control data up to the Top Secret Sensitive Compartmented Information (TS/SCI) level	ERA13.2.1	3 D		Software	ERA376
ERA13.2.2	The system shall physically separate records classified as Top Secret or higher from other records	ERA13.2.2	3 I		Hardware, Software	ERA377
ERA18.7	The system shall provide the capability to redact all assets	ERA18.7	3 A		Software	ERA514
ERA18.7.3	The system shall provide the capability to redact digital audio	ERA18.7	3 D		Software	LM1282
ERA18.7.4	The system shall provide the capability to redact digital video	ERA18.7	3 D		Software	LM3181
ERA18.7.5	The system shall provide the capability to redact line vector images	ERA18.7	3 D		Software	LM3182
ERA18.7.7	The system shall provide tools to assist the user in manual redaction of assets	ERA18.7	3 D		Software	LM3189
ERA18.7.8	The system shall provide the capability to be extensible to redact additional digital items	ERA18.7	3 A		Software	LM514
ERA19.1.10	The system shall provide the capability to search by geospatial identifiers	ERA19.1.10	3 D		Software	ERA529
ERA19.1.11	The system shall provide the capability to search by any element defined in the asset's template	ERA19.1.11	3 I		Software	ERA530
ERA19.1.22	The system shall provide the capability for automated question-and-answer searching based on searches performed frequently	ERA19.1.22	3 D		Software	ERA541
ERA19.1.22.1	The system shall provide the capability to recommend search criteria based on frequently performed searches	ERA19.1.22	3 D		Software	LM1294
ERA19.1.22.2	The system shall provide the capability for a user to refine a search by incorporating the recommended search criteria	ERA19.1.22	3 D		Software	LM1295
ERA19.1.22.3	The system shall provide the capability for the user to skip a recommendation in the question-and-answer process	ERA19.1.22	3 D		Software	LM1296
ERA19.1.22.4	The system shall provide the capability for the user to end the question-and-answer process after each search	ERA19.1.22	3 D		Software	LM1297

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA19.2	The system shall provide the capability to search for assets based on their contents	ERA19.2	3	D	Software	ERA549
ERA19.8.10	The system shall provide the capability to generate intermediate result sets for content-based searches without stopping the search	ERA19.8	3	D	Software	LM1309
ERA20.1.1.2	The system shall provide the capability to transform a persistent format into a format for presentation	ERA20.1	3	D	Software	LM1361
ERA20.5	The system shall provide access to assets independently of the software with which they were created	ERA20.5	3	D	Software	ERA609
ERA20.5.2.1	The system shall provide the capability to present assets retained in persistent object formats	ERA20.5.2	3	D	Software	LM1344
ERA20.5.2.2	The system shall provide tools to the user to support electronic presentation of assets independently of the software with which they were created	ERA20.5.2	3	D	Software	LM1345
ERA21.6.2	The system shall provide the capability to present the user interface in foreign languages that are read left to right, top to bottom, and composed of characters	ERA21.6	3	D	Software	LM1089
ERA28	The system shall provide logistics management capabilities	ERA28	3	T	Software	ERA785
ERA28.3	The system shall provide the capability to schedule preventative maintenance for system components	ERA28.3	3	T	Software	ERA802
ERA29.1	The system shall provide the capability to manage user subscriptions	ERA29.1	3	D	Software	ERA804
ERA29.1.4	The system shall provide the capability for the user to suspend subscriptions	ERA29.1.4	3	D	Software	ERA808
ERA29.1.5	The system shall provide the capability for the user to resume suspended subscriptions	ERA29.1.5	3	D	Software	ERA809
ERA30	The system shall provide service management	ERA30	3	D	Software	ERA821
ERA30.10	The system shall estimate resource requirements for any ERA-provided service	ERA30.10	3	D	Software	ERA841
ERA30.10.1	The system shall estimate labor time resources requirement for services	ERA30.10	3	D	Software	LM1222
ERA30.10.2	The system shall estimate system resources requirements for services	ERA30.10	3	D	Software	LM1223
ERA30.11	The system shall estimate execution time for any service	ERA30.11	3	D	Software	ERA842
ERA30.11.1	The system shall estimate labor execution time for services	ERA30.11	3	D	Software	LM1224
ERA30.11.2	The system shall estimate system execution time for services	ERA30.11	3	D	Software	LM1225

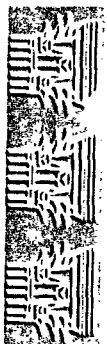
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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
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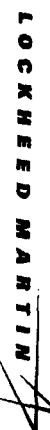


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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM Allocation	LM ID
ERA18.8	The system shall provide tools for automated redaction of assets	ERA18.8	4 D	Software	ERA515
ERA18.8.1	The system shall provide the capability to automatically redact assets based on NARA rules and guidance	ERA18.8	4 D	Software	LM1283
ERA18.8.1.1	The system shall provide the capability to create NARA rules and guidance for the automated redaction of assets	ERA18.8	4 D	Software	LM1284
ERA18.8.1.2	The system shall provide the capability to update NARA rules and guidance for the automated redaction of assets	ERA18.8	4 D	Software	LM1285
ERA18.8.1.3	The system shall provide the capability to delete NARA rules and guidance for the automated redaction of assets	ERA18.8	4 D	Software	LM1286
ERA18.8.2	The system shall provide the capability for a user to assess the automatic redaction of an asset	ERA18.8	4 D	Software, Operations	LM1287
ERA19	The system shall provide the capability to search the assets it contains	ERA19	4 D	Software	ERA518
ERA19.1.18	The system shall provide the capability for concept-based searching	ERA19.1.18	4 D	Software	ERA537
ERA23	The system shall provide user assistance	ERA23	4 D	Software	ERA672
ERA23.4	The system shall provide the capability for user training	ERA23.4	4 D	Software	ERA680
ERA23.4.1	The system shall provide the capability for simulated user sessions	ERA23.4.1	4 D	Software	ERA681
ERA23.4.1.1	The system shall provide the capability for adaptive simulated user training sessions for deployed ERA functions	ERA23.4.1	4 D	Software	LM681
ERA23.4.2	The system shall provide the capability for simulated administrator sessions	ERA23.4.2	4 D	Software	ERA682
ERA23.4.2.1	The system shall provide the capability for Administrative Users to view adaptive simulated administrator training sessions for deployed functions of ERA	ERA23.4.2	4 D	Software	LM682
ERA27	The system shall provide systems administration capabilities	ERA27	4 1	Software	ERA753
ERA27.3	The system shall monitor overall system state in a consolidated manner	ERA27.3	4 D	Software	ERA767
ERA27.3.8	The system shall present system monitoring data via a consistent operations user interface	ERA27.3.8	4 D	Software	ERA775
ERA27.3.8.1	The system shall present system monitoring data for all subsystems using a consistent user interface	ERA27.3.8	4 D	Software	LM775
ERA27.4	The system shall provide the capability to adjust system parameters	ERA27.4	4 D	Software	ERA776
ERA27.4.8	The system shall present the system parameter controls via a consistent operations user interface	ERA27.4.8	4 D	Software	ERA784
ERA27.4.8.1	The system shall present the system parameter controls for all subsystems using a consistent user interface	ERA27.4.8	4 D	Software	LM784
ERA29	The system shall manage user subscriptions to services	ERA29	4 D	Software	ERA803

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA29.5	The system shall provide the capability for subscriptions that are time based	ERA29.5	4 D		Software	ERA818
ERA29.5.1	The system shall provide the capability to execute subscriptions at a specified future time	ERA29.5.1	4 D		Software	ERA819
ERA29.5.2	The system shall provide the capability to execute subscriptions at specified intervals	ERA29.5.2	4 D		Software	ERA820

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LM Tag	LM Requirements	RD Trace Tag	Incr.	VM	Allocation	LM ID
ERA20.1	The system shall provide the capability to electronically present all electronic record types	ERA20.1	5 D		Software	ERA599
ERA21	The system shall provide a user interface	ERA21	5 D		Software	ERA631
ERA21.6.3	The system shall provide the capability to present the user interface in foreign languages that are read left to right, bottom to top, and composed of characters	ERA21.6	5 D		Software	LM3154
ERA21.6.4	The system shall provide the capability to present the user interface in foreign languages that are read right to left, top to bottom, and composed of characters	ERA21.6	5 D		Software	LM3155
ERA21.6.5	The system shall provide the capability to present the user interface in foreign languages that are read right to left, bottom to top, and composed of characters	ERA21.6	5 D		Software	LM3156
ERA21.6.6	The system shall provide the capability to present the user interface in foreign languages that are composed of ideographs	ERA21.6	5 D		Software	LM3157
ERA32	The system shall meet or exceed specified availability requirements	ERA32	5 A		Hardware, Software	ERA849
ERA32.1	The system shall meet or exceed availability requirements as specified in Appendix B, Table B-1, ERA Availability Requirements	ERA32.1	5 A		Hardware, Software	ERA850

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