



## **ATTACHMENT 11 – PROGRAM WORK BREAKDOWN STRUCTURE (PWBS)**

The following work breakdown structure documents the work within the scope of Electronic Records Archives (ERA) Program. It is a logical decomposition of work, from the program level, to be performed by the ERA Program Management Office (PMO) and its contractors to manage the development, integration, deployment, operation, maintenance, and support of the ERA system. Developers should extend and include this Program Work Breakdown Structure (PWBS) in their CWBS, including maintenance of WBS codes and names. Those codes identified as reserved for Government use should not be used or decomposed by developers. Developers should feel free to decomposed any unreserved codes or add any codes not already identified as reserved to accommodate the work identified in their proposals. Adherence to this structure is necessary in order for the ERA PMO to coordinate contracted work with its planning and reporting to executive management and oversight organizations.

### **1.1 through 1.4 Reserved for Government use only.**

#### **1.5 ERA Systems Analysis and Design**

Includes all ERA PMO and Developer deliverables associated with the Systems Analysis and Design.

### **1.5.1 through 1.5.2 Reserved for Government use only.**

#### **1.5.3 and 1.5.4 Systems Analysis and Design**

Includes all deliverables to be produced by Developers during the base period of the Systems Integration contract. Bidders should use 1.5.3 for numbering in their proposals. One of the two bidders in the design competition will be assigned to 1.5.4 after contract award.

### **1.5.5 through 1.5.8 Reserved for Government use only.**

#### **1.6 Facilities**

Includes all ERA PMO and Developer deliverables associated with real estate and physical infrastructure.

### **1.6.1 through 1.6.2 Reserved for Government use only.**

#### **1.6.3 Developer Project Management (Facilities)**

Includes all Developer project management deliverables associated with real estate and physical infrastructure.

#### **1.6.4 ERA Real Estate**

Includes all work associated with identifying and acquiring facilities to house ERA.

#### **1.6.5 ERA Facilities Infrastructure**

Includes all work associated with building out facilities that house ERA instances.



### **1.7 ERA Increment 1-Initial Operational Capability**

Includes all deliverables associated with ERA Increment 1, the Initial Operational Capability (IOC) of ERA.

#### **1.7.1 through 1.7.2 Reserved for Government use only.**

### **1.7.3 Developer Project Management (Increment 1)**

Includes all Developer project management deliverables during Increment 1.

### **1.7.4 NARA Acceptance Test Infrastructure (Increment 1)**

Includes all hardware/software infrastructure and support for NARA's acceptance testing of developer's deliverables. NARA intends that the developer establish and maintain an independent test infrastructure for Government acceptance testing.

### **1.7.5 Increment 1 Analysis**

Includes all increment-level analysis and design deliverables for Increment 1.

### **1.7.6 Increment 1 Release 1**

Includes all deliverables necessary to implement ERA Increment 1, Release 1. Includes all analysis and design deliverables associated with this release. May include multiple sub-releases proposed by Developer.

### **1.7.7 Increment 1 Release 2**

Includes all deliverables necessary to implement ERA Increment 1, Release 2.

### **1.7.8 Increment 1 Release 3**

Includes all deliverables necessary to implement ERA Increment 1, Release 3. This final release of Increment 1 represents ERA Initial Operational Capability.

### **1.7.9 Increment 1 User Training**

Includes all ERA PMO and Developer deliverables supporting initial user training for Increment 1. Includes training development and delivery.

#### **1.7.10 Reserved for Government use only.**

### **1.7.11 ERA Change Management (Increment 1)**

Includes all developer assistance to NARA PMO change management activities to promote acceptance of ERA by its users.

### **1.7.12 Operations, Support and Maintenance (Increment 1)**

Includes all operations, maintenance, and support activities associated with releases of ERA in operation during development of Increment 1.

#### **1.7.12.1 Systems Operations & Support (Increment 1)**

Includes all systems operations and support activities associated with releases of ERA in operation during development of Increment 1.



**1.7.12.2 Systems Maintenance (Increment 1)**

Includes all systems maintenance activities associated with releases of ERA in operation during development of Increment 1.

**1.7.12.3 Facilities Operations Maintenance & Support (Increment 1)**

Includes all facilities operations, maintenance, and support activities associated with releases of ERA in operation during development of Increment 1.

**1.7.12.4 Physical Infrastructure Security (Increment 1)**

Includes all labor physical infrastructure security activities associated with releases of ERA in operation during development of Increment 1.

**1.8 ERA Increment 2**

Includes all deliverables associated with ERA Increment 2.

**1.8.1 through 1.8.2 Reserved for Government use only.**

**1.8.3 Developer Project Management (Increment 2)**

Includes all Developer project management deliverables during Increment 2.

**NARA Acceptance Test Infrastructure (Increment 2)**

Includes all hardware/software infrastructure and support for NARA's acceptance testing of developer's deliverables. NARA intends that the developer establish and maintain an independent test infrastructure for Government acceptance testing.

**1.8.5 Increment 2 Analysis**

Includes all increment level analysis and design deliverables for Increment 2.

**1.8.6 Increment 2 Release 1**

Includes all deliverables necessary to implement ERA Increment 2, Release 1.

**1.8.7 Increment 2 Release 2**

Includes all deliverables necessary to implement ERA Increment 2, Release 2.  
This constitutes the final release of Increment 2.

**1.8.8 Increment 2 User Training**

Includes all deliverables supporting user training for Increment 2. Includes training development and delivery.

**1.8.9 Reserved for Government use only.**

**1.8.10 ERA Change Management (Increment 2)**

Includes all developer assistance to NARA PMO change management activities to promote acceptance of ERA by its users.



**1.8.11 Operations, Support and Maintenance (Increment 2)**

Includes all operations, maintenance, and support activities associated with releases of ERA in operation during development of Increment 2.

**1.8.11.1 Systems Operations & Support (Increment 2)**

Includes all systems operations and support activities associated with releases of ERA in operation during development of Increment 2.

**1.8.11.2 Systems Maintenance (Increment 2)**

Includes all systems maintenance activities associated with releases of ERA in operation during development of Increment 2.

**1.8.11.3 Facilities Operations Maintenance & Support (Increment 2)**

Includes all facilities operations, maintenance, and support activities associated with releases of ERA in operation during development of Increment 2.

**1.8.11.4 Physical Infrastructure Security (Increment 2)**

Includes all labor physical infrastructure security activities associated with releases of ERA in operation during development of Increment 2.

**1.9 ERA Increment 3**

Includes all deliverables associated with ERA Increment 3.

**1.9.1 and 1.9.2 Reserved for Government use only.**

**1.9.3 Developer Project Management (Increment 3)**

Includes all Developer project management deliverables during Increment 3.

**1.9.4 NARA Acceptance Test Infrastructure (Increment 3)**

Includes all hardware/software infrastructure and support for NARA's acceptance testing of developer's deliverables. NARA intends that the developer establish and maintain an independent test infrastructure for Government acceptance testing.

**1.9.5 Increment 3 Analysis**

Includes all increment level analysis and design deliverables for Increment 3.

**1.9.6 Increment 3 Release 1**

Includes all deliverables necessary to implement ERA Increment 3, Release 1.

**1.9.7 Increment 3 Release 2**

Includes all deliverables necessary to implement ERA Increment 3, Release 2.  
This constitutes the final release of Increment 3.



**1.9.8 Increment 3 User Training**

Includes all deliverables supporting user training for Increment 3. Includes training development and delivery.

**1.9.9 Reserved for Government use only.**

**1.9.10 ERA Change Management (Increment 3)**

Includes all developer assistance to NARA PMO change management activities to promote acceptance of ERA by its users.

**1.9.11 Operations, Support and Maintenance (Increment 3)**

Includes all operations, maintenance, and support activities associated with releases of ERA in operation during development of Increment 3.

**1.9.11.1 Systems Operations & Support (Increment 3)**

Includes all systems operations and support activities associated with releases of ERA in operation during development of Increment 3.

**1.9.11.2 Systems Maintenance (Increment 3)**

Includes all systems maintenance activities associated with releases of ERA in operation during development of Increment 3.

**1.9.11.3 Facilities Operations Maintenance & Support (Increment 3)**

Includes all facilities operations, maintenance, and support activities associated with releases of ERA in operation during development of Increment 3.

**1.9.11.4 Physical Infrastructure Security (Increment 3)**

Includes all labor physical infrastructure security activities associated with releases of ERA in operation during development of Increment 3.

**1.10 ERA Increment 4**

Includes all deliverables associated with ERA Increment 4.

**1.10.1 through 1.10.2 Reserved for Government use only.**

**1.10.3 Developer Project Management (Increment 4)**

Includes all Developer project management deliverables during Increment 4.

**1.10.4 NARA Acceptance Test Infrastructure (Increment 4)**

Includes all hardware/software infrastructure and support for NARA's acceptance testing of developer's deliverables. NARA intends that the developer establish and maintain an independent test infrastructure for Government acceptance testing.

**1.10.5 Increment 4 Analysis**

Includes all increment level analysis and design deliverables for Increment 4.



**1.10.6 Increment 4 Release 1**

Includes all deliverables necessary to implement ERA Increment 4, Release 1.

**1.10.7 Increment 4 Release 2**

Includes all deliverables necessary to implement ERA Increment 4, Release 2.  
This constitutes the final release of Increment 4.

**1.10.8 Increment 4 User Training**

Includes all deliverables supporting user training for Increment 4. Includes training development and delivery.

**1.10.9 Reserved for Government use only.**

**1.10.10 ERA Change Management (Increment 4)**

Includes all developer assistance to NARA PMO change management activities to promote acceptance of ERA by its users.

**1.10.11 Operations, Support and Maintenance (Increment 4)**

Includes all operations, maintenance, and support activities associated with releases of ERA in operation during development of Increment 4.

**1.10.11.1 Systems Operations & Support (Increment 4)**

Includes all systems operations and support activities associated with releases of ERA in operation during development of Increment 4.

**1.10.11.2 Systems Maintenance (Increment 4)**

Includes all systems maintenance activities associated with releases of ERA in operation during development of Increment 4.

**1.10.11.3 Facilities Operations Maintenance & Support (Increment 4)**

Includes all facilities operations, maintenance, and support activities associated with releases of ERA in operation during development of Increment 4.

**1.10.11.4 Physical Infrastructure Security (Increment 4)**

Includes all labor physical infrastructure security activities associated with releases of ERA in operation during development of Increment 4.

**1.11 ERA Increment 5**

Includes all deliverables associated with ERA Increment 5.

**1.11.1 through 1.11.2 Reserved for Government use only.**

**1.11.3 Developer Project Management (Increment 5)**

Includes all Developer project management deliverables during Increment 5.



**1.11.4 NARA Acceptance Test Infrastructure (Increment 5)**

Includes all hardware/software infrastructure and support for NARA's acceptance testing of developer's deliverables. NARA intends that the developer establish and maintain an independent test infrastructure for Government acceptance testing.

**1.11.5 Increment 5 Analysis**

Includes all increment level analysis and design deliverables for Increment 5.

**1.11.6 Increment 5 Release 1**

Includes all deliverables necessary to implement ERA Increment 5, Release 1.

**1.11.7 Increment 5 Release 2**

Includes all deliverables necessary to implement ERA Increment 5, Release 2. This constitutes the final release of Increment 5 and ERA Full Operational Capability.

**1.11.8 Increment 5 User Training**

Includes all deliverables supporting user training for Increment 5. Includes training development and delivery.

**1.11.9 Reserved for Government use only.**

**1.11.10 ERA Change Management (Increment 5)**

Includes all developer assistance to NARA PMO change management activities to promote acceptance of ERA by its users.

**1.11.11 Operations, Support and Maintenance (Increment 5)**

Includes all operations, maintenance, and support activities associated with releases of ERA in operation during development of Increment 5.

**1.11.11.1 Systems Operations & Support (Increment 5)**

Includes all systems operations and support activities associated with releases of ERA in operation during development of Increment 5.

**1.11.11.2 Systems Maintenance (Increment 5)**

Includes all systems maintenance activities associated with releases of ERA in operation during development of Increment 5.

**1.11.11.3 Facilities Operations Maintenance & Support (Increment 5)**

Includes all facilities operations, maintenance, and support activities associated with releases of ERA in operation during development of Increment 5.

**1.11.11.4 Physical Infrastructure Security (Increment 5)**

Includes all labor physical infrastructure security activities associated with releases of ERA in operation during development of Increment 5.



**1.12 Operations, Maintenance and Support**

Includes all operations, maintenance, and support activities and deliverables associated with maintenance of ERA post-FOC.

**1.12.1 through 1.12.2 Reserved for Government use only.**

**1.12.3 Operations, Maintenance, and Support Contractor Management**

Includes all Developer management deliverables associated with operations, maintenance, and support.

**1.12.4 Systems Operations & Support**

Includes all systems operations and support activities.

**1.12.5 Systems Maintenance**

Includes all systems maintenance activities.

**1.12.6 Facilities Operations Maintenance & Support**

Includes all facilities operations, maintenance, and support activities.

**1.12.7 Physical Infrastructure Security**

Includes all labor physical infrastructure security activities.

**1.12.8 ERA Change Management (Operations, Maintenance and Support)**

Includes all ERA PMO and Developer deliverables required to support organizational change management associated with operations, maintenance, and support