Government Printing Office

Future Digital System

Enterprise Application Platform Capability Questions

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This document contains the initial set of questions in support of the Future Digital System (FDsys) Enterprise Application Platform (EAP) discovery process. The EAP provides the basic platform for operating FDsys. The EAP approach is being used to evaluate a complete set of platform hardware and software to simplify the evaluation process and to ensure that a well integrated and operationally compatible set of hardware and software is selected. The EAP may consist solely of a single vendor's products, or may include products from more than one vendor.

The EAP consists of the following hardware and software capabilities:

- Operator and Administrator Workstations
- Servers (Blades, SMP, etc.)
- Operating System Software
- WAN Network Components
- Estimated WAN Bandwidth Requirements
- LAN Network Components
- Firewall Hardware and/or Software
- Antivirus Hardware and/or Software
- User Authentication Software
- System Backup Software (for backing up operational data)
- Data Replication Software (for replicating archived data to backup site)
- SAN and/or NAS Storage Network Components
- Disk Storage Systems
- Tape Library Systems
- Removable Media Input/Output Devices

The expected FDsys solution will include a primary site containing all the hardware and software needed to operate the FDsys together with a warm backup site located >600 miles from the District of Columbia. The backup site will contain a near real time copy of the operational and archive data. The intent is to be able to fail over to the backup site and be operational again in <15 minutes. This implies that the hardware and software components of the EAP will be duplicated between the primary and backup sites. The FDsys sites may be hosted outside the GPO or at GPO at the Government's option.

The following list contains items that are not part of the EAP and will be examined separately, if needed, for FDsys. Vendors submitting capability statements for the EAP may also submit capability statements for the non-EAP items when the capability requests are posted on the GPO website.

- Scanning Hardware or Software
- Optical Character Recognition Software
- Content Management System Software
- Records Management Software
- Data Mining/Reporting Software
- Search Engine Software
- Document Format Conversion Software
- Enterprise Management Software
- Security Management Software
- Intrusion Prevention/Detection Hardware or Software
- Customer Relationship Management Software
- Rule Engine Software
- Workflow Software
- Web or Application Server Software
- SOA or ESB Middleware or Registries
- Software Development or Testing Tools

NOTE: Additional information and clarification questions may be required in the future.

1.0 Requirements Compliance

The accompanying spreadsheet contains selected requirements from the FDsys Requirements Document Version 2.1 that pertain to the EAP. Please evaluate each requirement in the spreadsheet against the capabilities of your offering. Fill in column C with either a 1 (offering meets the requirement) or 0 (offering does not meet the requirement). Please record in column D the name of the product in your offering that meets the requirement. If you have any questions or comments about a requirement then record them in column E. Please limit questions and comments to technical information and refrain from including marketing statements.

2.0 Technical Product Questions

Please answer the following questions as briefly and concisely as possible. Lists of components and diagrams are preferred to lengthy narratives.

(1) Provide a system level diagram of your EAP offering, including WAN, LAN, SAN and/or NAS, servers, disk, tape, and other media devices.

(2) What constraints does your product place on choices for operating system, server type, networking, and storage architecture?

(3) How does your offering support the failover from the primary to backup sites?

(4) How does your offering support the availability requirements for FDsys (see spreadsheet)?

(5) How does your offering support storage scalability? Computing scalability?

(6) How does your offering support the use of new computing and storage technologies?

(7) Describe your approach for outsourcing the hosting of the primary and backup FDsys sites. Describe the proposed facilities including floor space available, power, network carriers available, HVAC, physical security, and staffing.

3.0 Cost and Support Questions

 (1) Provide an itemized list of the hardware and software components in your offering, including software licensing and support costs.

(2) Describe any advantageous licensing arrangements in your offering.

(3) Describe the costing of the outsourcing facilities for the primary and backup sites.