

1 Presentation Services

1.1 Web Browser

1.1.1

1.1.2

1.1.3

2 Environment Services

2.1 Application Services

2.1.1

2.1.2

2.1.3

2.1.4

2.2 Operating System

2.2.1

2.2.2

2.3 Component Framework

2.2.3

3 Business Logic Services

3.1 Interface, Application Logic, Business Logic

3.1.1

3.1.2

4 Information Services

4.1 Database Services

4.1.1

4.1.2

4.1.3

4.1.4

4.1.4.1

4.1.4.2

4.1.5

4.1.6

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5 Communication

5.1 Directory Services, Communication Security

5.1.1

5.1.2

5.1.3

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5.1.5

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5.2 Messaging

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5.2.3

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**6 Communication
Fabric**

6.1

6.2

6.3

7 Base Services

7.1 Web Server Services

7.1.1

7.1.2

8 Miscellaneous

8.1 Performance

8.1.1

8.1.2

8.1.3

8.1.4

8.2 Availability

8.2.1

8.2.2

8.2.3

8.2.4

8.2.5

8.2.6

8.3 Application

8.3.1

8.3.2

8.3.3

8.4 Backup/Recovery

8.4.1

**8.5 Development
Environment**

8.5.1

8.5.2

8.5.3

8.5.4

9 General

9.1

9.2

Requirement Description

The System will support the following Netscape browsers: Netscape Navigator 4.76 (Windows 95/98, Windows NT, Windows 2000, and Macintosh), Netscape Navigator 6.2 (Windows 98, Windows NT)

The System will support the following Microsoft browsers: 5.00.2014.0216 - Internet Explorer 5.0 (Windows 95/98, and Windows NT), 5.00.2314.1003 - Internet Explorer 5.0 (Office 2000), 5.00.2614.3500 - Internet Explorer 5.0 (Windows 98 Second Edition), 5.00.29

The System will support the following America Online default browsers: AOL 5.0 (Windows 95/98), AOL 6.0 (Windows 95/98, Windows NT, and Windows 2000), AOL 7.0 (Windows 98)

The System will use at a minimum the RCS (Reusable Common Services) for Logging, Persistence (DB), Exception Handling and Mail

The System will support browser-based cookies for session management

The System will support configurable session time-outs

The System will terminate sessions after a pre-determined period of inactivity.

The System will run on a Sun Solaris (Unix) platform

The Systems operating system will contain the latest patches and be appropriately "hardened" for increased Security, per FSA standards

The System will utilize the RCS framework based completely on open technology and the Java 2 Enterprise Edition (J2EE)

The System will use Java as the programming logic for interface, application and business logic

The System will support batch processing for emails, i.e. emails will not be sent real-time

The System will support an interface to the local storage DB (Oracle).

The System will support database connection pooling for improved performance when performing data access queries

The System will include a date/time stamp on all versions of data

The System will archive all audits and financial statements submitted.

The system will allow archival access to the current year and prior two years submissions.

The system will store archived submissions for 20 years.

The System will retain and store the institution's original compliance audit submission for legal purposes.

The System will retain and store the institution's original financial statement submission for legal purposes.

The system will retain and store subsequent versions of the compliance audit submitted.

The system will retain and store subsequent versions of the financial statements submitted.

The System will have an entry in DNS (Domain Name Service)

The System will use an LDAP compliant DB for user authentication/authorization

The System will encrypt user passwords and other sensitive data in the LDAP and Oracle DBs

The System security will support user authentication by implementing user IDs and passwords

The System will support user roles maintained in LDAP compliant DB. These roles will determine a users access privileges, i.e. read, read/update

The system will only allow registered users access.

The System will support outbound email messaging for automatic notification based on application logic

The System will share data with external applications via the EAI (Enterprise Application Integration) layer.

The System will support both real-time and batch EAI interfaces

The System will import funding level data for Title IV Schools from Census.

The system will obtain school eligibility status via PEPS interface

The System will obtain fiscal year end date data for all Title IV schools from external system (PEPS)

The System will obtain waiver information from PEPS

The system will provide a weekly file/data feed of audit data to the OCFO (CARS System).??

The system will capture A-133 exemption status from PEPS

The system will obtain the closure date of an institution PEPS

They system will obtain the date that the closure letter is sent to the institution PEPS

The System will use the VDC (Virtual Data Center) network infrastructure and standards

The System will have hardware fault tolerance on all tiers (web server, application server, database server)

The System will have network load balancing for clients accessing the web servers

The System will use IBM HTTP server (IHS) to provide web server services

The System will support SSL (Secure Sockets Layer) connections over port 443 to web server

The System will support 6000 concurrent users as determined by the Mad Dog

The System will support a minimum access speed of 28.8 Kbps for client access

The System will support a minimum screen resolution of 800x600

The System will support response in accordance with FSA standards for Web applications

The system will be available in accordance with FSA guidelines for system up-time

The web hosting vendor (VDC) will provide 24x7 support

The System will support scaling of application at the web server and application server tiers.

The System will support hardware load balancing to the web server and software load balancing to the application server

The system will provide an appropriate response time.

The system shall be compliant with Section 508 standards of the Rehabilitation Act.

The System will support separation of presentation and business logic by using JSPs (Java Server Pages)

Client-side validation will be achieved using JavaScript

The System will use the Java programming language for all application code

The System must be designed to allow for backup and recovery consistent with the FSA backup /recovery procedures

The Systems development architecture will reduce the effort and cost involve with designing, implementing, and maintaining an integrated development environment. This architecture will provide a vehicle to migrate code and content seamlessly between diff

The System will have separate environment for performance testing, with hardware as close to production specification as financially feasible

The System will support local development and unit testing of components

The System will utilize Rational product suite for Configuration Management and Defect Management

The eZ-Audit system shall provide a process of addressing these general security concerns towards establishing a trust infrastructure for FSA eZ-Audit system, not covered by the VDC (See System Security Plans), and should integrate easily with other ED/FS

The system shall render a Risk Assessment to be conducted prior to Program Readiness Review and take corrective action for interim approval to operate or accreditation.

Functional Area

Priority

Notes and Questions

Technical

Critical

Technical

Submission and Receipt

Critical

Critical

Submission and Receipt

Submission and Receipt

Critical

Critical

Submission and Receipt

Critical

Submission and Receipt

Critical

Submission and Receipt

Critical

Submission and Receipt

Technical

Technical

Technical

Technical

Technical

Critical

Technical

Technical

Technical

Technical

Technical	Discussion
Technical	n
Technical	High
Technical	Critical
Technical	Critical
Technical	
Technical	
Technical	
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Technical

Technical