

CAIS Centralization and Web Migration

RS Information Systems

October 20, 2004

Centralized CAIS - Environments

- Server has test and production database instances
- CAIS and FIMS are maintained within the same instances
- Test instance used for patches, costing updates, CAISWeb testing
- Switch between instances by modifying the “inspection.ini” file

Centralized CAIS – Backup, Recovery, Availability, Security

- Nightly backups via Oracle exports stored on server
- Weekly backups stored off-site at RSIS offices
- Entire database (including CAIS and FIMS) mirrored to a redundant, “hot-plug” disk drive
- Network traffic encrypted with Oracle Advanced Security (Triple-DES)
- Logs reviewed daily for anomalies

Enhancements to Backup Strategy

- Full tape backups with monthly off-site storage
- Point in time recovery
- Standby database
- Need to discuss upgrade schedules / notifications

Web Migration – Major Tasks and Milestones

- Budget approval
- Selection of J2EE Application Server software and development platform
- Establishment of development and test environments
- Formal design
- Conversion of all CAIS forms to web interface
- Conversion of all PowerBuilder “middle-tier” code to Java/JDBC

Web Migration – Major Tasks and Milestones (continued)

- Development of reports in HTML and PDF format
- Testing (including field testing)
- Establishment of production environment
- Production deployment

Preliminary Schedule

- Selection of Application Server / formal design by January '05
- Prototype demonstration in March '05 (NV meeting)
- Site pilot testing in Summer '05
- Production deployment by end of FY '05