State of Connecticut
Criminal Justice Information System

CISS (Conn. Information Sharing System) Status Update & Technology Workshop – Security (Part 1)

September 5, 2012

Agenda

- Welcome
- CISS Project Status – Overview, Business, Technology
- Methodology for CISS
- Questions & Discussion
- Technology Workshop: Security (Part 1)
- Questions for follow-up

CISS – August Accomplishments

- Mapped individual data fields in OBTS back to the source application databases
- Worked with Agencies to identify field level security restrictions for the following OBTS source applications: CIB, PRAWN, POR, OBIS
- Prototypes for user interface screens for OBTS Search functionality were sent to Agencies for their feedback
- Continued working on business rules for information exchanges
- Finalized the technical architecture design which provides details on hardware and software components for development and production environments
- Conducted technical workshop on Agency data replication (8/23)
- Developed a working project schedule for the first deliverable – Wave 0 (search for OBTS) for the State and Xerox.

CISS – Next 30 days

- Work with Agencies to identify field level security restrictions for the following OBTS source applications: CRMVS, MNI/CCH
- Begin to identify security claims for OBTS source applications & review with Agencies
- Determine which security model will be used for each Agency
- Finalize user interface screens for OBTS Search functionality
- Complete the design of the initial CISS team site
- Distribute RMS Certification package which describes what RMS Vendors need to do in order to become certified for CISS
- Set up Wave 0 test environments
- Sign off on detailed design for System Administrator functionality
- Work with Agencies to identify System Administrator for each Agency
- Xerox will submit detailed Test Plan and Training Plan for Wave 0
- Determine Help Desk operations for CISS
- A technical workshop will be held on September 20 on Security (part 2)
- Purchase & install SAN hardware
- Purchase & install data-sharing software

CISS Business Management

- **Field Observations to Learn Agency Business Processes**
  - Division of Public Defenders Services: August
  - Division of Criminal Justice: September (tentative)

- **RMS Vendors**
  - RMS Certification document for CISS to be distributed – 9/14/2012
  - RMS Certification document vendor review meeting – 9/28/2012

- **Define & Validate Claims-based Security Model**
  - Agency Source System Data Mapping for OBTS: 8/22/2012 – 9/14/2012
  - Determine claims-based security for OBTS: by 9/28/2012
  - Review exceptions with CISS Workflow User Group: by 10/12/2012

CISS Business Management

- **CISS Computer Based Training (CBT)**
  - Define Computer Based Training (CBT) Requirements on Learning Management System (LMS)
  - Identify Agency UAT Testers
  - Communicate CBT Timeline for Agency UAT Tester Training
  - Communicate CBT Timeline for Agency End User Training

- **CISS Screen Mock Ups**
  - Distribute CISS Screen Mock Ups for Feedback – 8/17/2012
  - Receive Agency Feedback – 8/31/2012
  - Consolidate Agency Feedback – 9/12/2012
  - Review Consolidated Feedback with Workflow Committee – by 9/20/2012

CISS Project Methodology

Rolling wave methodology is being used for the CISS project vs. the traditional "waterfall" methodology that many in our partner agencies are more familiar with.

We have chosen the wave approach for very specific reasons that are well-suited to this unique project.

- Traditional "Waterfall" methodology that most managers have been using and are familiar with
  - ▶ Requirements Analysis
  - ▶ Design
  - ▶ Implementation
  - ▶ Testing
 - ▶ Installation
  - ▶ Maintenance

CISS Project Methodology, cont'd

Pros and cons of the Waterfall method	
Pros	**Cons**
Detailed documentation	Slow start
Agreed and signed off requirements	Fixed requirements difficult to change.
Can be delivered using developers with a lower skill set	No customer visibility of software until the development has been completed
Reduced number of defects through thorough design planning	Lack of flexibility making it difficult to change direction
Defined start and end point for each phase, allowing progress to be easily measured	Customers often unclear about their requirements initially

- **Rolling Wave Development Approach**
  - ▶ All Requirements Confirmed in "Sufficient Detail"
  - ▶ Full Requirements Traceability Matrix (RTM) & Work Breakdown Structure (WBS)
  - ▶ Progressive Elaboration
  - ▶ Rinse and Repeat for a Series of Deployments
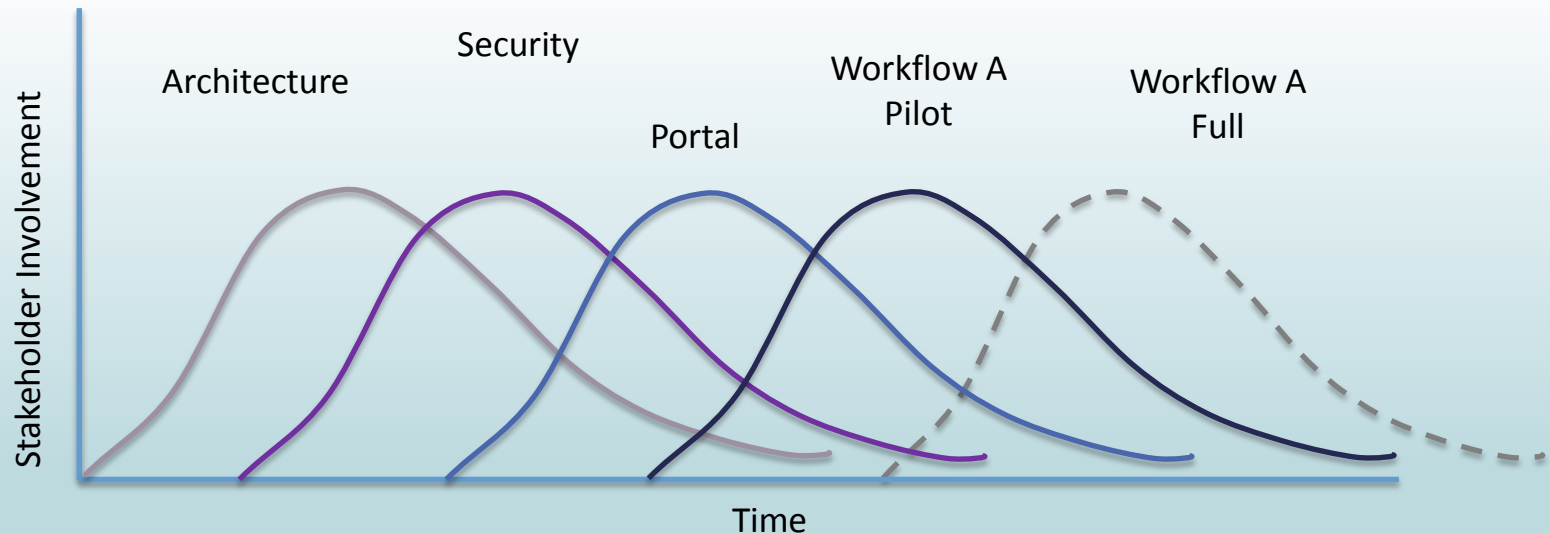
CISS Project Methodology, cont'd

Pros & Cons of the Wave Method	
Pros	Cons
Quick start and delivery of usable system in incremental releases; Immediate customer benefits	Can be misinterpreted as unplanned or undisciplined
Evolution of requirements over time	Needs a high-quality, customer-facing development team
Ability to respond to change quickly	Needs a high-level of customer involvement
Less rework, achieved through continual testing & customer involvement	Lack of long-term detailed plans
Real-time communication between the development team and customer	Produces a lower level of documentation

CISS Project Methodology, cont'd

Progressive Elaboration

- Approved requirements are elaborated in enough detail required for the next wave(s). This makes faster delivery to the stakeholders possible.

- At a certain point closer to the next successive Wave, we take the less precise, high-level plan and:

  ▶ build it out with specific steps and specific sub-deliverables,

  ▶ incorporate any feedback or adjustments recommended from the previous period,

  ▶ Plan and create a timeline for executing the next Wave.

Benefits to the Wave Approach

Several advantages to the wave approach:

- ▶ Quicker stakeholder deliverables that are usable vs. waterfall method; Quicker Return On Investment (ROI)

- ▶ Stakeholders get a close look as the wave deliverables and are able to give feedback to increase chances of customer satisfaction. (By contrast, Waterfall delivery can be years away risking the solution built could be obsolete by then.)

- ▶ CISS is unique in the nation its goal is to connect and share data throughout the entire CJIS community; not just parts of it as other states have done. Because it is such a large project, the wave approach is well-suited for it; it allows for discovery of the best way to build the next wave as we get closer to it.

CISS Technology — August

▶ In process of acquiring Storage platforms to support CISS databases and FileNet

▶ Initiated Replicating of OBTS data for CISS and OBTS Data Purity tasks

▶ Collaborating with Agencies to gather Security Options for integration to CISS

▶ Mapping OBTS to the source agency tables

▶ Continuing to review Xerox Design documents

▶ Developing Technical Architecture Documents to support Development, System Testing, User Acceptance Testing, and Production

▶ Provisioning Xerox planned technologies to support knowledge transfers (WebMethods, Fast, SharePoint, ADFS, FIM)

▶ Configuring Development environment for Xerox and CJIS Technical Teams

▶ Elaborating on System Test, User Acceptance Testing &Production environments with Xerox

▶ Defining processes to streamline Agency integration with CISS for Service-Oriented Architecture (SOA) based messaging

▶ Establishing framework to support CAD/RMS vendors integration with CISS

Phase	MJ	J	A	S	O	N	D	J
Develop logical design	X							
Order hardware/software	X							
Staffing technical group	X							
Develop application life cycle mgmt. methodology	X	X						
Develop software development life cycle	X	X						
Develop Service Level Agreement (SLA)	X	X						
Design and develop CISS success metrics	X	X						
Develop IEPD templates	X	X						
Gather IEPD data elements from agencies	X	X						
Design production architecture		X						
Define storage requirements		X	X					
Define network/security requirements		X	X					
Procure storage and network equipment		X	X	X				
Define certificate authority model		X	X	X				
Configure production environment			X	X				
Develop workshops for Agency stakeholders			X	X	X	X	X	X

Primarily State Team

Questions & Discussion

At our last meeting, we asked you to send us any questions you'd like to discuss with colleagues and other stakeholders in this forum. These are the questions we received, only some of which we will have time to cover. (We will include the answers and pertinent discussion in meeting minutes.)

▶ The Division of Public Defender Services accesses two Domains (Judicial and OCPD*): Those that log into Judicial AD are in the courthouses (approx. 350) and those in our Administrative Offices log into our OCPD domain (approx. 125). Will we have certificates on both ADS for the respective CISS users?

▶ Would the certificate allow access to all data (CRMVS, DOC, DMV) that we're currently allowed to see, but be able to restrict specific uploaded documents that are associated with a docket outside their court?

*OCPD – Office of Chief Public Defender

Questions & Discussion, cont'd

- ► Define "the CJIS Community"

- ► What are the plans for OBTS?

- ► We have heard conflicting information about a couple of things:

    - o who (which agencies) will get to see what information within CISS?

    - o How will those decisions will be made and by whom?

- ► Is CISS a document repository? Discuss the alternatives to access to documents being sent to agencies directly. How are changes to stored/existing documents going to be controlled?

- ► Please clarify security and data access. For instance, the state police send warrants to CISS. CSSD adult probation staff has access to the warrants. Who controls the access to the state police warrants – DESPP administrators or admins for adult probation? Is there going to be court-level security (which has been mentioned in the past)?

- Any other **general** questions you would like us to follow up on?

- Break for anyone who needs to leave

- 2:10-3:30 — Technology Workshop: Security (1)

- September 20 – Technology Workshop: Security (2)

Feedback

We need your feedback —
please send us your comments, questions & suggestions.

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Thank you