



Client Agency

California Bureau of Narcotic Enforcement

Participating IJIS Institute Staff

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Dates Services Provided

June 21-22, 2006

Overview of Technical Assistance Request

The California Bureau of Narcotic Enforcement agreed to receive consulting services from the IJIS Institute to create a web services specification for the California side of the Phase II Pilot Project Prescription Drug Monitoring Information Exchange (PMIX) between the Nevada and California PMP systems.

The objective of the IJIS Institute PMP Phase I initiative was to develop a baseline standard for facilitating automated information exchange between disparate state PMP systems. A steering committee consisting of knowledgeable practitioners and industry participants experienced in the use of GJXDM-based data exchanges guided the development of a Concept of Operations (ConOps) and GJXDM Information Exchange Package Documentation.

Phase II of this initiative is implementing a proof-of-value pilot system to demonstrate the feasibility of automated PMP exchange based on the GJXDM standard. The neighboring states of California and Nevada were chosen as pilot participants, in part because they already have in place automated PMP capabilities that are currently being used to support manual exchanges.

The first Phase II consulting engagement produced a Domain Model and Mapping as the “front-end” portion of the exchange package. A second engagement created a reference architecture and performed a gap analysis to help determine what components were required on the California side of the exchange to fill the gap between the as-is and to-be environments. A third engagement created an IEPD for the exchange.

Type of Technical Assistance Services Provided

Using the ConOps and the Gap Analysis and Implementation Estimates Report as a foundation, the team developed the target specification, design, and traceability artifacts. First, the consulting team performed an onsite survey and discussion with the staff of the California Bureau of Narcotic Enforcement and Hawkins Data Center followed by remote analysis and design work.

Onsite, the California team demonstrated the current CURES PMP database and viewing tools. Then the participants walked through the “CA DOJ Proposed Application, Database and DMZ Design Diagram.” The consulting team walked through the ConOps and the Gap Analysis

Report to identify the subset of features that would be implemented in California as part of the pilot program.

After completion of the onsite review, the IJIS team performed the following offsite activities in order to complete the engagement. A reduced set of workflows from the ConOps and Gap Analysis Report were identified as relevant to the California PMIX system in the pilot project.

The team then developed a Requirements Traceability Matrix (RTM) identifying and enumerating all known requirements, any associated assumptions, and their anticipated satisfaction mechanism. The RTM also includes a preliminary registry of error messages to support the CA-NV PMIX Web Services exchanges.

The team developed mock-ups of the Web interfaces into the California PMIX capability. This process leveraged the RTM material to ensure that all required features were included. It also provided subject matter experts and implementers with an example to help evaluate the usability and effectiveness of the CA PMIX system in supporting PMIX workflows.

The primary workflow for the pilot project is to demonstrate the PMIX system in one state requesting PMP information from a disclosing state and having that information returned to the requesting PMIX system. On the surface, this is a straightforward data exchange between two static parties; however the team was mindful that the design needed to be complete and scalable so other states could easily reuse the pilot artifacts.

The team produced Web Service Description Language (WSDL) specification documents that describe both the Request and Response data exchanges.

Finally, the team reviewed the California DOJ Hawkins Data Center environment and support infrastructure, and reported on its findings as they relate to the pilot project.

A copy of the TA report can be found on the IJIS Institute website at www.ijis.org.

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