



Client Agency

California Bureau of Narcotic Enforcement and the Nevada Board of Pharmacy

Participating IJIS Institute Staff

Scott Serich – Project Manager

Participating IJIS Institute Consultants and Firms

Winfield Wagner - Crossflo Systems

Philip Johnson - Optimum Technology

Dates Services Provided

February 6-8, 2006

Overview of Technical Assistance Request

Beginning in FY 2002, Congress appropriated funding to the U.S. Department of Justice to support Prescription Drug Monitoring Programs (PMPs). These programs help prevent and detect the diversion and abuse of pharmaceutical controlled substances, particularly at the retail level where no other automated information collection system exists. States that have implemented PMPs have the capability to collect and analyze prescription data much more efficiently than those without such programs, where the collection of prescription information can require a time-consuming manual review of pharmacy files.

Phase I of this initiative, conducted in 2005, developed 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 the Global Justice XML Data Model (GJXDM) guided the development of a draft Concept of Operations and a prototype Information Exchange Package Document (IEPD). In addition, California and Nevada volunteered to serve as the Phase II sites for development and testing of a pilot exchange capability between existing PMP systems.

The Phase II project leveraged the momentum from Phase I by implementing pilot capabilities in California and Nevada; it demonstrating the feasibility of automated PMP exchanges based on the GJXDM standard.

During Phase II, the California and Nevada PMP decision makers played the role of subject-matter experts seeking to reach agreement on the content and structure of the PMP information exchange (PMIX) document. They used the domain model to serve as a consensus builder by defining the needs of the information content for each exchange document.

The domain model utilized formats and terms known to the PMP decision makers, while remaining cognizant of building a GJXDM-conformant schema that leverages its analytical content as much as possible. Leveraging the GJXDM structures in the domain model eased the transition to the mapping phase.

Mapping associated the domain model concepts and structures with types and elements in the GJXDM, where each domain model class and property is associated with a particular GJXDM type and element. When no such type existed, a new type was created in an extension namespace specific to the PMIX IEPD. The mapping artifact recorded these associations and extensions so that they could easily feed into the schema-building process.

Type of Technical Assistance Services Provided

Leading technology professionals from the IJIS Institute membership provided expertise to the pilot exchange partners in California and Nevada. The experience gained from the pilot project produced a series of reusable artifacts and lessons learned to expedite the implementation of exchanges between other state PMP systems in the future.

Under the current engagement, the IJIS Institute provided consulting services to the California and Nevada PMPs to develop a GJXDM Domain Model and Mapping for the interstate exchange of PMP information.

These important initial steps in the GJXDM development process have laid the foundation for the creation of subsequent IEPDs.

Observations and Recommendations Overview

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

Contact Information

IJIS Institute
Scott Serich
Project Manager
(703) 726-1913
scott.serich@ijis.org

Or

IJIS Institute
staff@ijis.org
703-726-3697