



Client Agency

Alaska MAJIC

Participating IJIS Institute Staff

Redha Morsli - Program Manager

Participating IJIS Institute Consultants and Firms

Christoph Hoashi-Erhardt - MTG Management Consultants

Winfield Wagner - Crossflo Systems, Inc.

Martin Sullivan - Bull Services

Dates Services Provided

April 11-13, 2006

Overview of Technical Assistance Request:

The Multi-Agency Justice Integration Consortium (MAJIC) - a consortium of local and state agencies and organizations seeking to improve justice information sharing in Alaska - requested technology assistance from the IJIS Institute for the development of Information Exchange Package Documentation (IEPD) for criminal charge filing and dispositions.

The TA report documents the recommendations and proposed best practices that were provided to MAJIC during the site visit.

Type of Technical Assistance Services Provided

As part of the TA engagement, the IJIS Institute performed a three-day site visit in Anchorage, Alaska. The site visit consisted of a series of meetings with various MAJIC representatives. Specific topics that were discussed during the meetings included the goals and objectives of IEPDs, the development of a domain model for criminal charge filing and disposition exchanges, GJXDM Mappings, and the development of GJXDM schemas (Subset Schema, Constraint Schema, and Extension Schema).

The IJIS Institute TA Team used a "hands-on tutorial" approach during the site visit to assist MAJIC in defining the various activities and deliverables required to develop reusable IEPDs and to identify the best practices and appropriate methodology for building XML schemas compliant with the Global Justice XML Data Model (GJXDM). The scope of this TA was not to build a complete IEPD, but to review the prerequisites, staffing requirements, best practices, and methodologies required to complete comprehensive IEPDs.

In addition, the IJIS Institute TA Team and MAJIC also developed a preliminary Charge Tracking IEPD that conformed to guidelines published by the XML Structure Task Force (XSTF). The preliminary IEPD represents only a partial set of information required for the charge tracking exchange and is meant to provide MAJIC with a starting point.

At the end of the tutorial session, feedback was solicited and next steps were discussed. One of the major feedback items provided by MAJIC was the need to encapsulate the tutorial process conducted during the workshop into a "primer document." The primer document could be used as a guide for the MAJIC team to finish the Charge Tracking exchange and their other

identified exchanges. It was decided by the TA workshop participants, that the final report about this TA engagement would take the form of an IEPD Development Primer. The sections of this report outline the development approach and review the issues, comments, and best practices discussed during the workshop.

Observations and Recommendations Overview

The following provides a summary list of the best practices recommendations that were made during the domain modeling session.

- ▶ Make sure you have all the right cardinalities for class relationships.
- ▶ Don't just add codes to the model.
- ▶ Use a standard taxonomy for naming attributes.
- ▶ Attribute names should always be compound.
- ▶ Make the words stand out.
- ▶ Document all classes and the attributes.
- ▶ Define well.

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

Contact Information

IJIS Institute
Redha Morsli
Program Manager
(703) 726-3684
redha.morsli@ijis.org

Or

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