

# ITS/Public Safety Information Exchange Project

***Using technology to create partnerships  
that keep us safe and informed***

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Lt. Joe Balles, Madison WI PD  
Stephen Barger, Intergraph

# *Discussion Content*



**BJA** Bureau of  
Justice Assistance



**IJIS Institute**

## ▶ **Project Overview**

- Background
- Objectives

## ▶ **Deliverables**

- Exchanges
- Industry Validation
- Field Operational Test

# *Value in Sharing Data & Assets*



Incident Info  
Event Info

←→

Traffic Conditions  
Request for Service

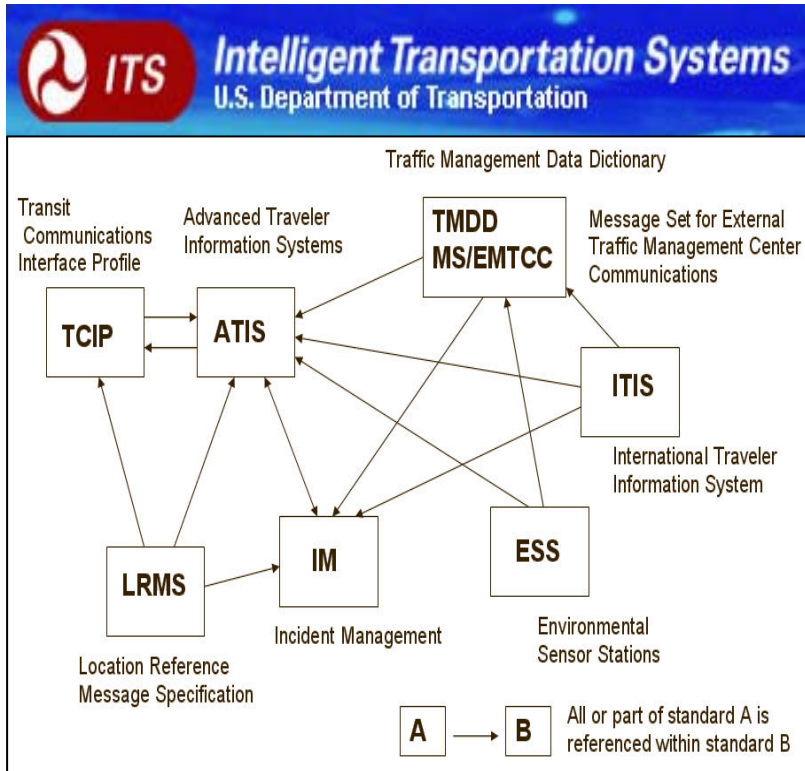


# *Specific Deliverables*

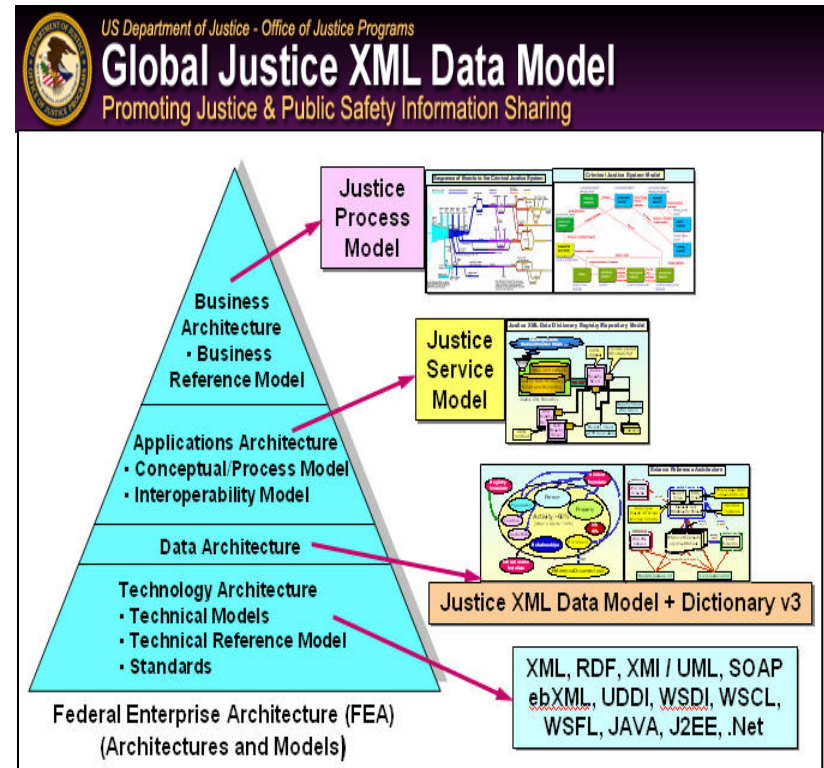
<b>Deliverable</b>	<b>Status / Timeline</b>
National Information Sharing Standards (NISS) Help Desk readiness ( <a href="http://it.ojp.gov/NISS/helpdesk/">http://it.ojp.gov/NISS/helpdesk/</a> )	Completed
GJXDM / IEEE 1512 Compatibility Analysis Report	Completed
Information Exchange Package Documentation (IEPD)	Completed
Project Brochure & Website ( <a href="http://www.its.dot.gov/PS_Transinfoexchange">www.its.dot.gov/PS_Transinfoexchange</a> )	Target Completion May 08
Industry Validation (laboratory testing of exchanges)	Target Completion Jun 08
Field Operational Test (Houston TranStar / Harris County Toll Road Authority)	Target Completion Jun 08
Outreach Activities	Ongoing effort

# Different Standards

## IEEE 1512



## GJXDM



Both are XML, but they have different styles, properties, and structures



# Diversified Team

## DOT Representatives

Ann Lorscheider	NC DOT
Bill Legg	WA DOT
Linda Dodge	ITS JPO, FHWA, DOT
Tom Merkle	CAPWIN
Wayne Gisler	Harris Co TX

## DOJ Representatives

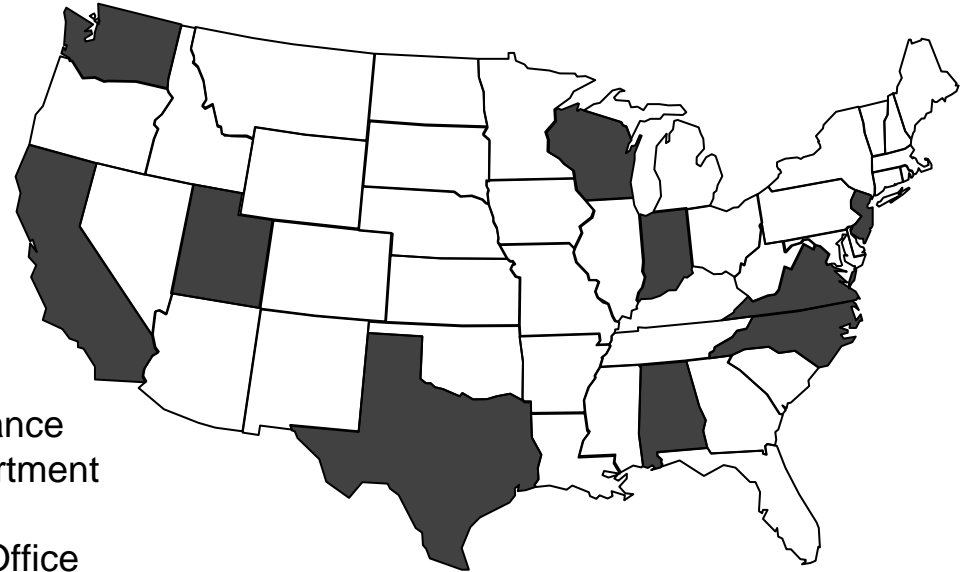
Christopher Traver	Bureau of Justice Assistance
Lt. Joe Balles	Madison WI Police Department
Matthew Malec	Cleveland OH
Lt. Melvina Apodaca	Los Angeles CA Sheriff Office
Mike Sadler	UT Dept of Public Safety

## Industry Representatives

Eric Roecks (Chairman)	MTG Consulting
Chandra Jonelagadda	Tetris
Rob Spilker	Northrop Grumman
Steve Barger	Intergraph
Tom Dewey	Advanced Justice Systems

## Project Manager

Scott Parker	IJIS Project Manager
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## Advisors

Ann Diephaus	Noblis
David Hellman	FWHA, DOT
David Kelley	Sub-Carrier Systems
Patricia Gerdon	IEEE
Richard Glassco	Noblis
Bob Greeves	BJA
Ron Ice	Ron Ice and Associates
Ted Smith	Noblis

## *Current Exchanges*

1. Event Information
2. Event List
3. Request for Event List
4. Request for Specific Event Information
  
5. Incident Notification
6. Incident Status Update
7. Incident Summary
8. Request for Incident List
  
9. Request for Road Conditions
10. Road Conditions
  
11. Request For Service
12. Yes/No Response (Decision Response)

# *Developing an Exchange*

1. Exchange Modeling
2. Domain Modeling
3. Mapping to GJXDM and IEEE 1512
4. Build XML Schema
5. Build Instance
6. Build Transformation Stylesheets
7. Support Documentation (Metadata, Overview, etc)

## *Benefits*

- ▶ Information Exchange
  - Increased Accuracy
  - Timeliness
  - Automated (uses fewer resources)
- ▶ Reuse of Exchanges
  - Time savings
  - Cost savings
- ▶ Enhanced Response
  - Situational Awareness
  - Effective – appropriate equipment
  - Efficient – appropriate response at the right time

## *Pilot Implementation*

- ▶ Houston TranStar and Harris County Toll Road Authority (HCTRA)
- ▶ “Incident Information” and “Incident Status Update” exchanges
- ▶ Targeting Jun 08

## *Industry Validation*

- ▶ Independent laboratory testing of exchanges in a controlled environment
- ▶ Targeting Jun 08

# *About the IJIS Institute*

## **Customers**

- Federal Agencies
- Member Companies
- State, Local and Tribal justice and public safety organizations

## **Services**

- Training
- Technology Assistance
- NISS Help Desk and Knowledge Center
- Program & Project Management Services

For more information contact:

**Scott Parker**

**Project Manager, IJIS Institute**

**[scott.parker@ijis.org](mailto:scott.parker@ijis.org)**