The Justice XML Data Model
Overview and Status
What is the Justice XML?

Purpose: *Facilitate information sharing and integrated justice by reducing impediments, such as standards, cost, and time.*

XML: A set of rules that specify syntax for information exchange.

Justice XML: Extends XML to the justice and public safety communities by providing a standard vocabulary and semantic building blocks that can be reused and extended by practitioner, integrator, and vendor communities.
### What Sources of Requirements Are Being Used?

<table>
<thead>
<tr>
<th>SPONSOR</th>
<th>SOURCE DOCUMENTS / SPECIFICATIONS</th>
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<tbody>
<tr>
<td>Global ISWG</td>
<td>Reconciliation Data Dictionary (RDD) v1.0.0</td>
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<tr>
<td>JTF for ICHTS</td>
<td>Rap Sheet v2.2 schema</td>
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<td>RISS</td>
<td>RISSIntel v2.0 schema</td>
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<td>OASIS</td>
<td>CourtFiling v1.1 DTD</td>
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<td>AAMVA</td>
<td>Driver History v1.02 schema</td>
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<td>NIJ</td>
<td>InfoTech v2.0 Data Dictionary and schema</td>
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<td>LA County CA</td>
<td>Incident Report schema</td>
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<td>SEARCH</td>
<td>Justice Info Exchange Model (JIEM) data sets</td>
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<td>OASIS</td>
<td>Arrest Warrant schema</td>
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<td>OASIS</td>
<td>Charging Document schema</td>
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<td>OASIS</td>
<td>Sentencing Order schema</td>
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<td>Minnesota</td>
<td>CriMNet v1.0 Data Dictionary and schema</td>
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<td>NCSC</td>
<td>Data element spreadsheets (civil, criminal, juvenile)</td>
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<td>Maricopa Co AZ</td>
<td>ICJIS Data Dictionary v1.3</td>
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<tr>
<td>CISA</td>
<td>Southwest Border States DD (TX, AZ, NM)</td>
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<td>NLETS</td>
<td>NCIC 2000 Data Dictionary and Code Tables</td>
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<td>NIBRS</td>
<td>Incident Report schema</td>
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</table>
Justice XML Data Dictionary Schema Evolution

Reference Document Schemas
- RDD 1.0
- DDS 2.0
- DDS 3.0
- DDS 4.0
- JDD 3.0
- JDD 4.0

Document Instances
- DD.rdfs
- DD.xsd
- DD.xml
- DDS.xsd
- DDS.xml
- JDD.xsd
- JDD.xml

Applications
- 1.0 Apps
- 2.0 Apps
- 2.1 Apps
- 3.0 Apps
- 4.0 Apps

Justice XML Structure Task Force
April 2003
Justice XML Data Dictionary Components

Activity ~45%
(Other objects ~55%)
According to one government data consultant, all branches and departments of a typical state government use about 20,000 unique data elements.
What Are Some Benefits?

- It's FREE !!!
- Reduction in implementation cost
- Standards-based
- Increased information sharing and interoperability
- Extensibility and flexibility
- Promotes reusable components
- Broad domain (courts, law enforcement, corrections, and the intelligence community)
### JXDD v3.0 Schedule

#### 2003

<table>
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<tr>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
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<th>Jun</th>
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<td><strong>build prerelease</strong></td>
<td><strong>JXDD Release for Comment v3.0</strong></td>
<td><strong>vet / refine</strong></td>
<td><strong>Review Period</strong></td>
<td><strong>JXDD IOC v3.0 Decision</strong></td>
<td><strong>IOC release</strong></td>
<td><strong>id pilots, test, validate</strong></td>
<td><strong>JXDD FOC v3</strong></td>
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*Justice XML Structure Task Force*

April 2003
Justice XML Registry/Repository Model

Data Requirements, Business Processes, Models, …

Justice XML Repository

Other J/PS artifacts

Justice Data Dictionary Model and Repository

Justice XML Registry/Repository Model

ebXML compliant

LM = Lifecycle Mgt
QM = Query Mgt

ebXML compliant

Justice Registry Server

Registry Client

registry Client

JIEM-MT

Web Server

Browsers

Justice Data Dictionary

Model and Repository

Justice XML Repository

Map

EPA Registry Server

DoD Registry Server

Other J/PS artifacts

Justice XML Structure Task Force

Data Requirements, Business Processes, Models, …

April 2003
Need Additional Information?

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For current release:  http://www.it.ojp.gov/jxdd/
For additional background information:  http://justicexml.gtri.gatech.edu/