



Implementing the Global Justice XML Data Model: Use Case



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Use Case –

Purpose

To improve the seamless sharing of AMBER Alerts between jurisdictions and across multiple communication networks and technologies by recommending a national standard for the minimum information to be included in an AMBER Alert.





Use Case – **AMBER ALERT**

Background

The proposed standard builds on the feedback received from practitioners and industry partners from national conferences and OJP research regarding the information most commonly contained in AMBER Alerts across the nation.





Use Case –

Methodology

- Capture requirements
- Normalize elements
- Map to GJXDM
- Use the Sub Schema Methodology
- Generate AMBERAlertCommon.xsd
- Submit to the Justice Standards Clearinghouse for Comment






Use Case –




Normalize Elements

- Missing Child
- Incident Information
- Suspect Person
- Suspect Vehicle
- Metadata



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Address  http://justicexml.gtri.gatech.edu/jxdd_search/search_results

Global Justice
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The GTRI Justice
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Data Model Search

Search for:

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Properties

- [j:MissingPerson](#)
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Data Model Search

Search for:

Property
Type
Namespace
Facet

Property MissingPerson

MissingPerson

Summary: Details about a person whose whereabouts are unknown.

Object Types:

This property has the following object types. This property *is of* these types.

- [j:MissingPersonType](#)

	A	B	C	D	E	F	G	H	I	J
80		JurorDismissedReasonText				TextType		A reason why a juror was dismissed or excused, e.g., dismissed by prosecution, excused for health reasons.		
81		JurorDismissedDate				j-xsd:date		A date a juror was dismissed from jury service.		
82										
83										
84		MissingPerson				MissingPersonType extends PersonType		Details about a person whose whereabouts are unknown.		
85		MissingPersonID				IDType		A number or string identifying a missing person.		
86		MissingPersonDisappearanceTypeText				TextType		A type of disappearance of a missing person.		
87		MissingPersonDisappearanceTypeCode				j-ncic:MNPTType		A code identifying the type of disappearance of a missing person.		
88		MissingPersonCircumstanceCode				j-ncic:MPCType		A code identifying a circumstance surrounding the disappearance of a person.		
89		MissingPersonCircumstanceText				TextType		A circumstance surrounding the disappearance of a person.		
90		MissingPersonDeclarationDate				j-xsd:date		A date a person was declared or legally assumed to be missing.		
91		MissingPersonDeclarationTime				j-xsd:time		A time a person was declared or legally assumed to be missing.		
92		MissingPersonDeclarationPerson				PersonType		A person who declared another person to be missing.		
93		MissingPersonLastSeenDate				j-xsd:date		A date a missing person was last seen before disappearing.		
94		MissingPersonLastSeenTime				j-xsd:time		A time a missing person was last seen before disappearing.		
95		MissingPersonLastSeenLocation				LocationType		A place a missing person was last seen before disappearing.		
96		MissingPersonLastSeenWitness				WitnessType		A person who last saw a missing person.		
97		MissingPersonFoundIndicator				j-xsd:boolean		True if a missing person has been found; false otherwise.		
98		MissingPersonFoundDate				j-xsd:date		A date a missing person was found.		
99		MissingPersonFoundTime				j-xsd:time		A time a missing person was found.		
100		MissingPersonFoundLocation				LocationType		A location where a missing person was found.		
101		MissingPersonStatus				StatusType		A status of a missing person.		
102						extends SuperType				
103										
		Person				PersonType		Describes inherent and frequently associated characteristics of		



Use Case –



Draft AMBER Alert Standard Data Elements

Note: This spreadsheet identifies and describes the elements of the proposed AMBER Alert Schema. The definitions are in parenthesis.

AMBER Alert ID (The unique id of an AMBER Alert)

Message Sent Date Time (The date and time an AMBER Alert was issued)

Missing Child

- Given Name (a first name of a person)
- Middle Name (a middle name of a person)
- Sur Name (a last name or family name of a person)
- Suffix Name (a component that is added after the family name)
- Moniker Name (an alternative for a first or given name that is used to identify a person)

Physical Description

- Eye Color Code (a code identifying the color of a person's eyes - consistent with the FBI's color coding system)
- Hair Color Code (a code identifying the color of a person's hair - consistent with the FBI's color coding system)
- Skin Tone Code (a code identifying a color or tone of a person's skin - consistent with the FBI's color coding system)
- Height (a description of the height of a person)
 - Feet





Use Case – **AMBER ALERT**

Normalize Codes

- Eye Color – NCIC Eye Type
- Hair Color – NCIC HAIT Type
- Skin Tone – NCIC SKN Type
- Vehicle Make – NCIC VMA Type
- Vehicle Model - NCIC VMO Type
- Vehicle Style – NCIC VST Type
- Vehicle Color - NCIC VCO Type





US Department of Justice - Office of Justice Programs
Justice Standards Clearinghouse
 A Repository for Developing and Established Justice & Public Safety Standards

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Justice Standards Clearinghouse for Information Sharing

The latest version of the Global Justice XML Data Dictionary, Version 3, has been released for comment. Please visit [Global Justice XML Data Dictionary Version 3.0 Prerelease](#) for additional information on this project.

The Justice Standards Clearinghouse for Information Sharing (JSC or Clearinghouse) is a repository of standards and specifications that help practitioners increase the nation's safety. This dynamic Web site was developed as part of the U.S. Department of Justice interoperability effort to facilitate information sharing. The Web site captures existing standards and alerts users of new or emerging standards. It also provides comment areas for users to offer support for the listed standards.

By establishing this Clearinghouse, those involved in the design and implementation of justice system information technology and communication have a place to share technical information so as to facilitate exchange and sharing of information between the various systems. Users will notice ongoing population of the Web site. This dynamic feature encourages users to contribute materials and learn more about standards from all levels of government.

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XML Schemas

A total of 4 standards relate to the Community or Area of Interest you have selected. Of this total, 4 are being displayed.

Status: Sort:

- [AMBER Alert Message Schema \[Based on the operational version 3.0 of the Global Justice XML Data Model\]](#) Comments: 0

Accepted Feb-24-2004

Draft AMBER Alert XML Schema based on the Global Justice XML Data Model. This Schema is proposed as a baseline for developing a national standard for AMBER Alert message sets to promote the seamless sharing of AMBER Alert information and between jurisdictions and the technologies they employ.
- [Arrest/Incident Report -- An XML Schema Example Only](#) Comments: 0

Updated Nov-06-2003

This is a reference document illustrating how the XML schemas were used in authoring an Arrest/Incident record. Note: This is NOT an operational document; it is only a reference document to assist developers with authoring tools to understand XML complex types, etc. When locally required components do not exist in the JXDD, users can use XML Schema's "xsd:extension" construct to add new elements as necessary. This draft contains no implementations or functionality. It is based on real-world documents that are exchanged between systems. It consists of XML code, readable using software such as Notepad.
- [AMBER Alert Message Schema \(draft\)](#) Comments: 6

Accepted Nov-06-2003

Draft AMBER Alert XML Schema based on the Global Justice XML Data Model. This Schema is proposed as a baseline for developing a national standard for AMBER Alert message sets to promote the seamless sharing of AMBER Alert information between jurisdictions and the technologies they employ.

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Benefits of Standard

- Facilitates information sharing
- The proposed AMBER Alert standard will promote a standard set of information to be broadcast and exchanged nationwide to support the safe recovery of America's missing and abducted children.

Relationship to Existing or Proposed Standards

This standard reuses components from the Global Justice XML Data Model version 3.0

Describe Need or Use for Standard

Currently, there is not a nationwide standard for an AMBER Alert message. This inhibits the seamless sharing of AMBER Alerts in a timely fashion.

Communities Impacted by this Standard

- Emergency Management Services
- Law Enforcement
- Public Works
- Technical Practitioners
- Transportation
- Broadcasters

Review and Comment by Communities of Interest

Scheduled

Technical [Help](#)

Patented or Proprietary Technology Required

No

Current Users and/or Industry Support

Supported by the Office of Justice Programs.

Notes

Documents [Help](#)

Title	Size	Date Posted
AmberAlertCommon.xsd	11.8 kb	Oct-30-2003
AmberAlert 3.0 version.zip	37.1 kb	Feb-24-2004



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