

GJXDM Information Exchange Package

Documentation for the

Arizona Citation

March 2006

Version 1.0

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1. Purpose and Scope

1.1. Scope

State of Arizona

1.2. Purpose

The Arizona Criminal Justice Commission Technical Team during the Summer of 2004 created two XML sub teams to develop a Booking and a Citation schema for the state based on the GJXDM guidelines. These schemas would serve as the standard for the entire state. This document covers the Citation schema.

The purpose of the Citation schema is to create a generic e-citation for the state of Arizona. The citation can be used to transmit Citation data issued in the field to intake systems (IE - RMS systems). The field requirements are based on what an Officer in the field is required to complete or may know.

2. List of Artifacts

1. GJXDM Subset
2. Extension Schema
3. Document Schema
4. Data Model Diagram
5. Spreadsheet Mapping
6. XML Mappings
7. XML Sample
8. IEP Document
9. Zipped GJXDM Subset with Documentation

3. XML Schemas

The Arizona Citation is composed of eight components. These are the Citation, CitationIssuedLocation, CitationIssuingOfficial, CitationSubject, Vehicle, DrivingIncident, CitationViolation, and CourtAppearance. This section presents the elements of each component. The Citation, CitationSubject, and DrivingIncident are extensions created for Arizona. The other components are subsets of the GJXDM.

3.1. GJXDM Subset Schema.

The following table lists those components created as a subset of the GJXDM schema

Name	Description
ActivityDate	A date of an activity that occurs at a singular point in time or a start date of an activity that occurs over a period of time.
ActivityDescriptionText	A description or narrative of the activity or process that occurred.
ActivityID	An identifier that uniquely refers to an activity or process that occurred.
ActivityTime	A time of an activity that occurs at a singular point in time or a start time of an activity that occurs over a period of time.

AddressFullText	A complete address.
CaseDocketID	A number used to identify a case docket.
CourtAppearanceDate	A date on which a party must appear in court.
CourtAppearanceTime	A time at which a party must appear in court.
CourtName	A name of a unit of a court.
DispositionDate	A date a disposition occurred.
DispositionTypeText	A type of disposition.
DrivingAccidentSeverityCode	A code identifying a severity level of an accident, based on the most intense injury to any person or, if none were injured, so designating.
DrivingIncidentCollisionIndicator	True if a driving incident involved a collision with another vehicle, person, or object; false otherwise.
DrivingIncidentCMVCode	A code identifying whether the incident occurred while the driver was operating a commercial vehicle.
DrivingIncidentHazMatCode	A code determining whether the incident occurred while the driver was operating a commercial vehicle that was carrying hazardous materials (that required a placard).
DrivingIncidentLaserDetectionIndicator	True if a laser was involved in the detection of an incident; false otherwise.
DrivingIncidentRadarDetectionIndicator	True if radar was involved in the detection of an incident; false otherwise.
DrivingIncidentRecordedSpeedRate	A speed a vehicle was moving at when an incident occurred.
DrivingRestrictionText	A category of a driving restriction.
EnforcementOfficialBadgeID	An identifier used to refer to an enforcement official.
HighwayID	An identifier of a highway, e.g., SR-78
HighwayPositionText	A designation of a specific place on a highway. Sometimes referred to as a mile marker, mile post, exit number.
ID	A value that identifies an entity within the identifier domain.
IDExpirationDate	A date an identifier is no longer valid.
IDIssuingAuthorityText	A name, identifier, or code of an organization or person that has authority over an identifier.
IDJurisdictionCode.ncicLIS	A code identifying an area or region, e.g., state or country, in which an identifier is unique.
IDTypeDescriptionText	A description of a type of identifier.
IntoxicationLevelText	A description of the degree a person is intoxicated or under the influence of a substance.
LocalePoliceJurisdictionID	An identification of a police jurisdiction that encompasses a location.
LocationCityName	A name of a city or town.
LocationCountyName	A name of a county.
LocationDescriptionText	A description of a location.
LocationPostalCodeID	A zip code or postal code.
LocationStateCode.USPostalService	A code identifying a state.
OrganizationID	An identifier of an organization based on the type of organization it is, e.g., for a school, this would be a school identifier, for a lien holder, this would be a lien holder identifier, for a court, this would be a court identifier.
OrganizationName	A name of an organization.
OrganizationORIID	A unique identifier assigned to a justice-related

	organization by the federal government. Sometimes referred to as ORI, ORI code, Originating Agency Code.
PersonBirthDate	A date a person was born.
PersonBirthPlaceCode	A code identifying the state or country of a person's birth.
PersonDigitizedSignatureImage	An image of a person's handwritten signature.
PersonEthnicityCode	A code identifying a person's cultural lineage.
PersonEyeColorCode	A code identifying the color of a person's eyes.
PersonFullName	A complete name of a person.
PersonGivenName	A first name of a person.
PersonHairColorCode	A code identifying the color of a person's hair.
PersonHeightMeasure	A measurement of the height of a person. Using NCIC standard Feet and Inches.
PersonMiddleName	A middle name of a person.
PersonNameInitialIndicator	True if value represents the first letter or initials of a persons name; false otherwise.
PersonRaceCode	A code identifying the race of a person.
PersonSexCode	A code identifying the gender or sex of a person.
PersonSSNID	A 9-digit numeric identifier assigned to a living person by the U.S. Social Security Administration. A social security number of a person. Sometimes referred to as a SSN.
	A last name or family name of a person.
PersonSuffixName	A component that is appended after the family name that distinguishes members of a family with the same given, middle, and last name, (e.g., Jr, Sr, III), or otherwise qualifies the name (e.g., MD, LLD, PhD).
PersonWeightMeasure	A measurement of the weight of a person. Using NCIC standards Pounds.
RelativeLocationDirectionCode	A code identifying a compass direction of the location from a reference point.
SanctionTypeText	A type of sanction, e.g., incarceration, fine, restitution, probation, community service, etc.
StatuteCodeID	An identifier of a set of laws for a particular jurisdiction. Sometimes referred to as a code book, legal code, native state code, or law.
StatuteCodeSectionID	An identifier of a section or category within a code book.
StatusText	A condition or state of something or someone.
StreetFullText	A complete street reference, e.g., 123 Main Street NW.
TelephoneNumberCommentText	An additional comment about a telephone number.
TelephoneNumberFullID	A full length telephone identifier.
VehicleColorPrimaryCode	A code identifying a single, upper-most, front-most, or majority color of a vehicle.
VehicleModelYearDate	A year which is assigned to a vehicle by the manufacturer.

3.2. Constraint Schema

None

3.3. Extension XML Schema.

The following table presents those elements of the components of the ArizonaCitation schema that are extensions.

Name	Description
CitationAgencyCaseNumber	The case or citation number issued by the agency.
CivilAcknowledgeReceiptIndicator	If the citation violations are all civil violations, the defendant's acknowledgment of the citation.
CriminalPromiseToAppearIndicator	If any of the citation's violation are criminal or criminal traffic, the defendant's promise to appear in court.
DrivingIncidentOtherDetectionCode	The means by which the speed of the defendant's vehicle was determined.
DrivingIncidentPaceDetectionCode	The officer used pacing as the means to determine the speed of the defendant's vehicle.
DrivingIncidentSafeSpeedRate	The posted or the officer's opinion of the safe speed of the roadway.
DrivingIncidentSixteenPassengerIndicator	An indicator if the vehicle driven can hold sixteen or more passengers.
DrivingIncidentVascarDetectionCode	The officer used the vascar method to determine the speed of the defendant's vehicle.
DrivingIncidentVisualDetectionCode	The officer visually determined the speed of the defendant's vehicle.
IncidentCivilPettyOffenseIndicator	An indicator that the violation was a petty offense.
IncidentCivilTrafficIndicator	An indicator that the violation is a civil traffic offense.
IncidentCriminalIndicator	An indicator that the violation is a criminal offense.
IncidentCriminalTrafficIndicator	An indicator that the violation is a criminal traffic offense.
IncidentDomesticViolenceIndicator	An indicator that the violation involved domestic violence.
VictimInvolvedNotifiedIndicator	If a victim was involved, an indicator that the victim was notified of the defendant's citing.
VictimInvolvedIndicator	An indicator that a victim was involved in the defendant's violation(s).
ViolationSequenceID	The number of the violation on the citation. Maximum of 5 per citation.

3.4. Document XML Schema

Name	Description
azCite:Citation	Details about an official summons to appear in court or pay a fine given to a subject from a peace official due to a subjects violation or infraction of a law for Arizona
CitationIssuedLocation	A place where a citation is given to a subject.
CitationIssuingOfficial	A peace official who gives a citation to a subject.
CitationSubject	A person who violates a law and receives a citation.

azCite:CitationViolation	An activity that is a violation of a law or ordinance that results in a subject being given a citation for Arizona.
CourtAppearance	Details about an appearance required of a party in a court of law on a certain date.
azCite:DrivingIncident	Details about an incident involving a vehicle, e.g., a traffic accident, speeding, reckless driving for Arizona.
Vehicle	Details about a motor-driven conveyance designed to carry its operator, passengers, and cargo, including trailers, and excepting boats.

4. Additional Provisions

4.1. Additional Property Definitions

4.2. Minimal Property Set

All tags are optional. This is to allow the sending and receiving agencies flexibility in developing the exchange to their business needs. However, the XML mappings spreadsheet and the Data model diagram documents provided do show the recommended cardinality of a property as a reference point for agencies.

4.3. Additional Business Rules

Defined by source and receiving agencies.

4.4. Other Information.

This section provides a graphical view of the ArizonaCitation schema developed by the E-Citation Team. Figure 1 below provides Schema Architecture for the Arizona E-Citation. The complete Data Diagram for this schema is attached as CitationDataDiagram100.ppt.

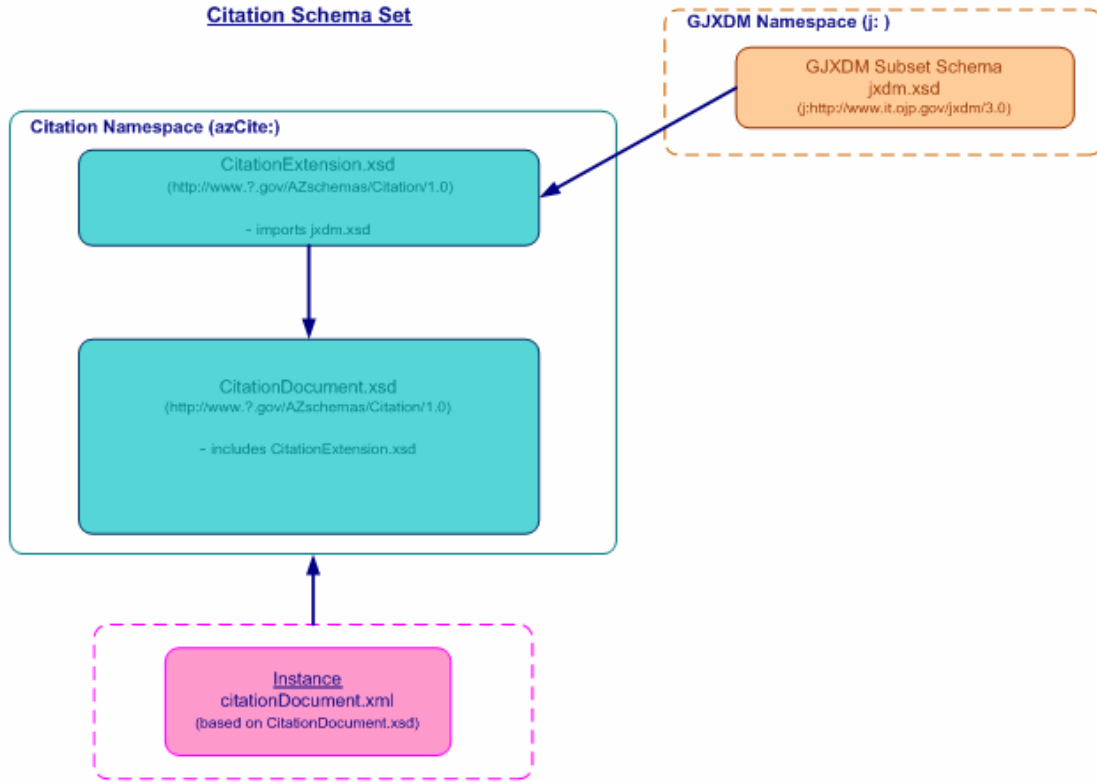


Figure 1– Arizona Citation Schema Architecture

Figure 2 below provides a top-down view of the Arizona Citation Model with the subgroups identified.

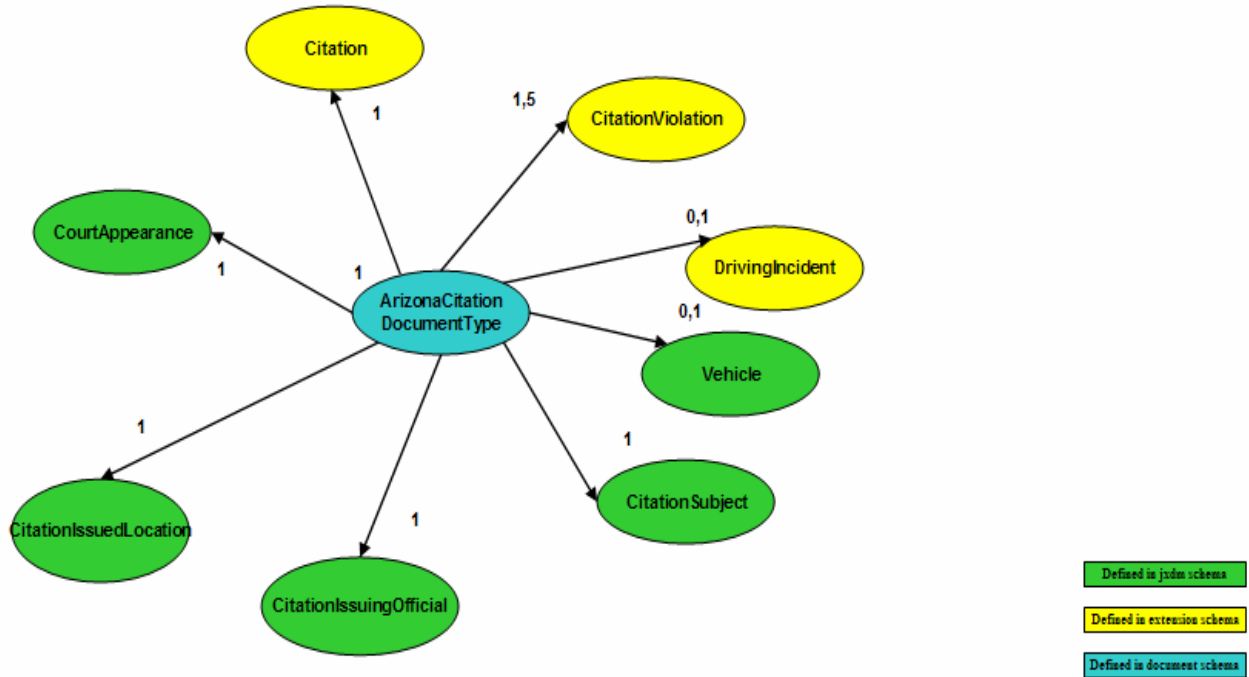


Figure 2– Arizona Citation Data Model

The color coding highlights the subset items from the GJXDM and those specific to the state of Arizona. The complete Data Diagram for this schema is attached as CitationDataDiagram100.ppt

5. Samples

5.1. Sample XML Instances

```
<?xml version="1.0" encoding="utf-8"?>
<ArizonaCitation xmlns="http://localhost/azcitation/1.0"
xmlns:azCite="http://localhost/azcitation/1.0"
xmlns:j="http://www.it.ojp.gov/jxdm/3.0.2"
xmlns:j-xsd="http://www.it.ojp.gov/jxdm/3.0.2/proxy/xsd/1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://localhost/azcitation/1.0 CitationDocument.xsd">
<azCite:Citation>
  <j:ActivityID>
    <j:ID>String</j:ID>
  </j:ActivityID>
  <j:ActivityDescriptionText>String</j:ActivityDescriptionText>
  <j:ActivityDate>2005-09-20</j:ActivityDate>
  <j:ActivityTime>21:46:00</j:ActivityTime>
    <azCite:VictimInvolvedIndicator>true</azCite:VictimInvolvedIndicator>
  <azCite:VictimInvolvedNotifiedIndicator>true</azCite:VictimInvolvedNotifiedIndicator>
  <azCite:CriminalPromiseToAppearIndicator>false</azCite:CriminalPromiseToAppearIndicator>
  <azCite:CivilAcknowledgeReceiptIndicator>true</azCite:CivilAcknowledgeReceiptIndicator>
  <azCite:CitationAgencyCaseID>
    <j:ID>String</j:ID>
  </azCite:CitationAgencyCaseID>
</azCite:Citation>
  <j:CitationIssuedLocation>
    <j:LocationDescriptionText>String</j:LocationDescriptionText>
    <j:LocationAddress>
      <j:LocationCityName >String</j:LocationCityName>
      <j:LocationCountyName>String</j:LocationCountyName>
      <j:LocationStateCode.USPostalService >AZ</j:LocationStateCode.USPostalService>
    </j:LocationAddress>
    <j:LocationHighway>
      <j:HighwayID><j:ID>String</j:ID></j:HighwayID>
      <j:HighwayPositionText>String</j:HighwayPositionText>
    </j:LocationHighway>
    <j:LocationLocale >
      <j:LocalePoliceJurisdictionID >
        <j:ID>String</j:ID>
      </j:LocalePoliceJurisdictionID>
    </j:LocationLocale>
  </j:CitationIssuedLocation>
  <j:CitationIssuingOfficial>
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    </j:PersonName>
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    <j:PersonBiometricDetails>
      <j:EnforcementOfficialBadgeID>
        <j:ID>String</j:ID>
      </j:EnforcementOfficialBadgeID>
    </j:PersonBiometricDetails>
  </j:PersonBiometricDetails>
</j:CitationIssuingOfficial>
</j:PersonName>
</j:PersonBiometricDetails>
</j:EnforcementOfficialBadgeID>
</j:ID>String</j:ID>
```

```

</j:EnforcementOfficialBadgeID>
<j:EnforcementOfficialUnit>
  <j:OrganizationName>String</j:OrganizationName>
  <j:OrganizationID><j:ID>String</j:ID></j:OrganizationID>
</j:EnforcementOfficialUnit>
</j:CitationIssuingOfficial>
<j:CitationSubject>
  <j:PersonName>
    <j:PersonGivenName>String</j:PersonGivenName>
    <j:PersonMiddleName>String</j:PersonMiddleName>
    <j:PersonSurName>String</j:PersonSurName>
    <j:PersonSuffixName>String</j:PersonSuffixName>
    <j:PersonFullName>String</j:PersonFullName>
  </j:PersonName>
  <j:Residence>
    <j:LocationAddress>
      <j:LocationStreet>
        <j:StreetFullText>String</j:StreetFullText>
      </j:LocationStreet>
      <j:LocationCityName>String</j:LocationCityName>
      <j:LocationStateCode.USPostalService>AZ</j:LocationStateCode.USPostalService>
      <j:LocationPostalCodeID><j:ID>String</j:ID></j:LocationPostalCodeID>
    </j:LocationAddress>
  </j:Residence>
  <j:PrimaryContactInformation>
    <j>ContactTelephoneNumber>
      <j:TelephoneNumberFullID>String</j:TelephoneNumberFullID>
      <j:TelephoneNumberCommentText>String</j:TelephoneNumberCommentText>
    </j>ContactTelephoneNumber>
  </j:PrimaryContactInformation>
  <j:Employment>
    <j:EmploymentContactInformation>
      <j>ContactTelephoneNumber>
        <j:TelephoneNumberFullID>String</j:TelephoneNumberFullID>
      </j>ContactTelephoneNumber>
    </j:EmploymentContactInformation>
  </j:Employment>
  <j:PersonBirthDate>1988-09-09</j:PersonBirthDate>
  <j:PersonBirthPlaceCode>AZ</j:PersonBirthPlaceCode>
  <j:PersonAssignedIDDDetails>
    <j:PersonSSNID><j:ID>String</j:ID></j:PersonSSNID>
    <j:PersonStateID><j:ID>String</j:ID></j:PersonStateID>
    <j:PersonOtherID>
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      <j:IDTypeDescriptionText>String</j:IDTypeDescriptionText>
    </j:PersonOtherID>
  </j:PersonAssignedIDDDetails>
  <j:PersonPhysicalDetails>
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    <j:PersonWeightMeasure j:personWeightUnitCode="ncic">175</j:PersonWeightMeasure>
    <j:PersonEyeColorCode> BLU</j:PersonEyeColorCode>
    <j:PersonHairColorCode>BLN</j:PersonHairColorCode>
    <j:PersonSexCode>M</j:PersonSexCode>
    <j:PersonRaceCode>W</j:PersonRaceCode>
  </j:PersonPhysicalDetails>
  <j:PersonSocialDetails>

```

```

    <j:PersonEthnicityCode>H</j:PersonEthnicityCode>
    <j:PersonMilitarySummary>
      <j:MilitaryStatus>
        <j:StatusText>String</j:StatusText>
      </j:MilitaryStatus>
    </j:PersonMilitarySummary>
  </j:PersonSocialDetails>
</j:PersonBiometricDetails>
</j:PersonBiometricDetails>
<j:PersonMedicalDetails>
  <j:PersonIntoxication>
    <j:IntoxicationLevelText>String</j:IntoxicationLevelText>
  </j:PersonIntoxication>
</j:PersonMedicalDetails>
<j:PersonDriversLicense>
  <j:DriverAuthorizationID>
    <j:ID>String</j:ID>
    <j:IDJurisdictionCode.ncicLIS>AZ</j:IDJurisdictionCode.ncicLIS>
  </j:DriverAuthorizationID>
    <j:DriverAuthorizationEndorsementText>String</j:DriverAuthorizationEndorsementText>
    <j:DriverAuthorizationRestriction>
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  </j:PersonDriversLicense>
</j:CitationSubject>
  <azCite:CitationViolation >
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    <azCite:IncidentCriminalIndicator>>false</azCite:IncidentCriminalIndicator>

    <azCite:IncidentCriminalTrafficIndicator>>false</azCite:IncidentCriminalTrafficIndicator>

    <azCite:IncidenCivilTrafficIndicator>>true</azCite:IncidenCivilTrafficIndicator>

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      </j:Disposition>
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        <j:StatuteCodeID><j:ID>String</j:ID></j:StatuteCodeID>
      </j:IncidentViolatedStatute>
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  <j:CourtAppearance >
    <j:CourtAppearanceCourt >

```

```

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    <j:LocationStreet>
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    </j:LocationStreet>
    <j:LocationCityName>String</j:LocationCityName>
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    </j:ContactTelephoneNumber>
    </j:OrganizationPrimaryContact>
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    <j:CourtAppearanceCase>
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    <j:CaseJudge>
    <j:PersonName>
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    <j:DrivingIncidentHazMatCode>2</j:DrivingIncidentHazMatCode>
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    <j:DrivingIncidentLaserDetectionIndicator >>false</j:DrivingIncidentLaserDetectionIndicator>
    <j:DrivingIncidentRadarDetectionIndicator>>false</j:DrivingIncidentRadarDetectionIndicator>
    <j:DrivingAccidentSeverityCode>5</j:DrivingAccidentSeverityCode>
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or>
    <azCite:DrivingIncidentSafeSpeedRate
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    <azCite:DrivingIncidentPaceDetectionIndicator>>false</azCite:DrivingIncidentPaceDetectionIndicator>
    <azCite:DrivingIncidentVisualDetectionIndicator>>false</azCite:DrivingIncidentVisualDetectionIndicator
>
    <azCite:DrivingIncidentVascarDetectionIndicator>>false</azCite:DrivingIncidentVascarDetectionIndicato
r>
    <azCite:DrivingIncidentOtherDetectionIndicator>>true</azCite:DrivingIncidentOtherDetectionIndicator>
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    </j:RelativeLocation>
    </azCite:DrivingIncident>
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    <j:Residence>
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```

```
</j:LocationAddress>
</j:Residence>
</j:PropertyOwner.Person>
<j:VehicleRegistration>
  <j:VehicleRegistrationPlateID>
    <j:ID>String</j:ID>
    <j:IDExpirationDate>2005-09-20</j:IDExpirationDate>
    <j:IDIssuingAuthorityText>String</j:IDIssuingAuthorityText>
  </j:VehicleRegistrationPlateID>
</j:VehicleRegistration>
  <j:VehicleModelYearDate>2000</j:VehicleModelYearDate>
  <j:VehicleColorPrimaryCode>BLK</j:VehicleColorPrimaryCode>
</j:Vehicle>
</ArizonaCitation>
```

6. Development

6.1. Participants

Lisa Bergeron – Pinal County Sheriff's Office
Eddy Cheng – Arizona Criminal Justice Commission
Robert Holtz – Phoenix Police Department
Kevin LaBranche – Coconino County
Pat Nelson – Arizona Criminal Justice Commission
Paul Reeves – Arizona Criminal Justice Commission
Robert Roll – Arizona Supreme Court

6.2. Process

The Arizona Criminal Justice Commission Technical Team during the summer of 2004 created two XML sub teams to develop a Citation schema for the state based on the GJXDM guidelines. This schema would serve as the standard for the entire state.

The Citation is one of the most common forms with a high rate of commonality throughout the state and one of the most common communication data exchanges that are made by law enforcement and court agencies on a daily basis.

The team gathered reference citations forms from Pinal County Sheriff, Northern Arizona University Police, Flagstaff Police, City of Phoenix Police and Arizona Department of Public Safety.

The team extracted the data elements from the forms and created a data mapping spreadsheet with the GJXDM mappings and groupings.

The team then gathered documents from the Arizona Administration Office of the Courts for analyzing the intake requirements of the state court system, AZTEC, and using the NCSC's national traffic citation exchange performed a GAP analysis. Where needed the team added extension elements.

7. Revision History

December 2005 – Version 1.0 Schema developed.

March 2006 – Version 1.0 IEPD developed.