



# Citations XML Web Service Technical Guide

Created: June 30, 2010  
Version: 1.0

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# 1 Introduction

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The purpose of the Citations XML Web Services is to define the XML standard for submitting electronic citation data to the County Court records management systems, receiving dispositions on those citations from the County Courts, and transferring all electronically gathered stored citation and warning data to a statewide citations database.

Please note that the term 'citation' includes the Illinois Uniform Traffic Citation, Illinois State Police Overweight Citation, and Dept of Natural Resources Conservation Citation. The term 'warning' includes the Illinois Written Warning and the Dept of Natural Resources Conservation Warning.

The XML standards also define the schemas for any law enforcement agency to manually submit electronic citation and/or warning data into the statewide citations database.

Also note that the XML definition for receiving court dispositions is not intended to replace the AOIC Automated Reporting Data Definition (ADR) specification, and is only intended to provide another alternative for County Courts who wish to implement XML web services.

Each schema defines the XML data element names, data types and statistical codes based on elements defined in the AOIC's ADR document from January 1, 2008 as well as elements defined during the Illinois E-Citations requirements definition project. All received data must pass a relatively stringent validation against a number of business rules contained in the schema in order to provide data that could be matched to the appropriate citation.

In order to start submitting data electronically to the statewide citations databaseISP in the XML format, the agency should first register with ISP to enable the system to authenticate their agency's ORI. The IT staff of the reporting court or the court's RMS vendor or the law enforcement agency need to create the interface between their records application and the Citations XML Web service

## 2 Getting Started

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To get started with electronic XML submission, the court must be registered with ISP. Prior to submitting data to the production system, courts will be required to test their XML submission against the QA environment. To register, contact the **Support Help Desk** by calling xxx.xxx.xxxx or emailing <email>.

### 2.1 QA Environment

During the test phase, you will be submitting XML documents to the QA environment. These URLs will have the following domain name:

<http://mcr.qa.dot.illinois.gov/.....>

In the QA environment, RMS vendors and court agencies will have access to test their submissions. The QA environment will mirror the production environment.

### 2.2 Production Environment

Once you have successfully tested your submissions, you will be able to submit your production data to the State. URLs will have the following domain name:

<http://mcr.dot.illinois.gov/.....>

## 3 Submitting Data

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Before submitting data, the agency must create a web service interface between the agency's RMS and ISP's XML Import web service. Use the information provided in this document as a guide to creating the interface.

### 3.1 Sending the Data

There are <x> methods for submitting data.

- QA: <http://mcr.qa.dot.illinois.gov/CISXMLImport/XMLImport.aspx>
- Production: <http://mcr.dot.illinois.gov/CISXMLImport/XMLImport.aspx>

The web methods are named as follows:

- SubmitDisposition()
- SubmitElectronicCitation()
- SubmitManualCitation()

The web service descriptions may be downloaded from:

- QA: <http://mcr.qa.dot.illinois.gov/CISXMLImport/XMLImport.aspx?WSDL>
- Production: <http://mcr.dot.illinois.gov/CISXMLImport/XMLImport.aspx?WSDL>

### 3.2 Receiving the Response

When data is submitted electronically, you will receive a response similar to one of the following examples:

The message you receive depends on the submission's error status.

- Successful Submission with **no** Errors

```
<?xml version="1.0" encoding="UTF-8"?>
<ImportResults>
  <Success>
    <DispositionControlID>W12345678</DispositionControlID>
    <DispositionControlDate>2007-03-31 09:30:47</DispositionControlDate >
  </Success>
  <Errors />
</ImportResults>
```

- Submission with Errors

```
<?xml version="1.0" encoding="UTF-8"?>
<ImportResults>
  <Success>
    <DispositionControlID />
    <DispositionControlDate />
  </Success>
  <Errors>
    <Error>
      <ErrorType>Validation Error</ErrorType>
      <ErrorMessage>This is a sample validation error.</ErrorMessage>
    </Error>
  </Errors>
</ImportResults>
```

## 4 Web Service Test

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This section of the document explains how to validate your XML data. If you are preparing to submit your data for the first time, or if you are having problems submitting data, use these steps to test your data.

### ***4.1 Logging In***

### ***4.2 Sample Test Files***

### ***4.3 Testing the Web Service – Test Files***

### ***4.4 Testing the Web Service – Schemas***

### ***4.5 Submitting a Case with Valid XML Data***

### ***4.6 Submitting XML Data with Errors***

## 5 Appendices

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This is a list of all the items including in the Appendices. If you are viewing this on your computer, click on the name of the section to jump to that area.

Appendix A – Disposition Schema

Appendix B – Citation and Warning Schemas

Appendix C – TSSS Schema

Appendix D – Manual Citations and Warning Schemas

Appendix E – Court Citations Schemas

## **5.1 Appendix A – Disposition Schema**

The disposition schemas, as well as with the enumerations used, are located at the following URL: <http://mcr.qa.dot.illinois.gov/CISXMLImportTest/schemas.aspx>

Two disposition schemas have been defined.

- DispositionOnly.xsd is modeled after the 87-byte ADR record currently in use.
- FullCitationDisposition.xsd is modeled after the proposed 1100-byte record that has recently been proposed by the AOIC. This record includes all the citation data as well as the disposition, allowing the court agency to submit the citation record as well as the disposition.

Note that since Written Warnings are not submitted to the courts and do not receive dispositions, electronic Written Warning records must be submitted from the law enforcement agencies.

## **5.2 Appendix B – Citation and Warning Schemas**

Five citation and written warning schemas have been defined.

- UTCitations.xsd is modeled after the Uniform Traffic Citation currently on file with the Supreme Court, but also includes metadata collected from the electronic citation collection process such as time of printing, transmission timestamps, etc.
- WrittenWarnings.xsd is modeled after the Written Warning and Stop Card currently on file with the Supreme Court, and includes metadata from the electronic collection process.
- ConservationCitations.xsd is modeled after the Department of Natural Resources Citation currently on file with the Supreme Court, but also includes metadata similar to the UTC Citation.
- ConservationWarnings.xsd is modeled after the DNR Written Warning currently on file with the Supreme Court, and includes metadata from the electronic collection process.
- OverweightCitations.xsd is modeled after the Overweight Citation currently on file with the Supreme Court, and includes metadata from the electronic collection process.

All Citation and Warning schemas support the transmission of IDOT Traffic Stop Statistical Study data, see Appendix C.

## **5.3 Appendix C – TSSS Schema**

Since a stop does not necessarily require the officer to issue a citation or written warning, the TSSS schema can be submitted as a standalone set of data, or may be optionally included on any of the five citation or warning schemas.

- TSSS.xsd is modeled after IDOT's TSSS flat file definition.

## **5.4 Appendix D – Manual Citation and Warning Schemas**

The XML web service environment supports manual data entry of citations and warnings to provide agencies with a method of entering paper citations. Agencies may submit datasets containing multiple records as exports from existing case managements systems, or agencies may choose to directly enter citations via a browser-based online entry form. These schemas only enforce the basic required fields and formatting requirements, and a limited set of metadata. IDOT's TSSS data collection is also supported.

Manual data entry also supports the ability to submit dispositions through manual data entry.

- *ManualCitations.xsd (tbd)*
- *ManualWarnings.xsd (tbd)*
- TSSS.xsd
- DispositionOnly.xsd

(see *Manual Entry eCitations Data Definition.xls*)

## **5.5 Appendix E – Court Citation Schemas**

Electronically collected citations **may** be transmitted directly to the Court's record (or case) management systems. The ability to receive electronic citation data is determined by the Court. Courts that are unable to receive electronic data must perform their own data entry from the printed copies of the citation.

Warnings and TSSS data are **not** submitted to the Court.

- CourtCitations.xsd
- CourtConservationCitations.xsd