

OPEN XML COURT INTERFACE

XML Interface Specifications

October 25, 2004



MTG Management Consultants, L.L.C.
1111 Third Avenue, Suite 2700
Seattle, Washington 98101-3201
206.442.5010 206.442.5011 fax
www.mtgmc.com

TABLE OF CONTENTS

	<u>Page</u>
I. INTRODUCTION	2
A. OBJECTIVES	2
B. CONVENTIONS	3
C. TERMINOLOGY	4
D. APPROACH	6
E. DOCUMENT ORGANIZATION	7
II. COURT FILING SPECIFICATION	10
A. REQUIREMENTS.....	10
B. ELEMENTS.....	12
III. QUERY/RESPONSE SPECIFICATION.....	26
A. REQUIREMENTS.....	26
B. ELEMENTS.....	28
IV. COURT POLICY SPECIFICATION	38
A. REQUIREMENTS.....	38
B. ELEMENTS.....	38
C. LOCAL EXTENSIONS.....	42
V. PAYMENT SPECIFICATION.....	44
A. REQUIREMENTS.....	44
B. ELEMENTS.....	44
VI. IMPLEMENTATION.....	48
A. SOAP W/ ATTACHMENTS MESSAGING SPECIFICATIONS	48
B. SOAP W/ATTACHMENTS MESSAGING STRUCTURE	48
C. EBMS MESSAGING SPECIFICATIONS	49
D. EBMS MESSAGING STRUCTURE.....	49
E. EBMS MESSAGING HEADER EXAMPLE	50
F. EBMS SIGNATURE BLOCK EXAMPLE.....	51

TABLE OF CONTENT
(continued)

APPENDIX A – COURT FILING SCHEMA
APPENDIX B – QUERY/RESPONSE SCHEMA
APPENDIX C – COURT POLICY SCHEMA
APPENDIX D – PAYMENT SCHEMA
APPENDIX E – EXAMPLES
APPENDIX F – LEGALXML COURT FILING 1.1 ELEMENT MAP
APPENDIX G – GLOSSARY
APPENDIX H – REFERENCES
APPENDIX I – REVISION HISTORY

I. INTRODUCTION

I. INTRODUCTION

The Open eXtensible Markup Language (XML) Court Interface (OXCI) consortium of state courts intends to produce a middleware implementation for electronic filing for use within all levels of state courts for the receipt, transmission, and validation of electronic filings, court orders, and associated data. The middleware will provide a uniform open source implementation of an Electronic Filing Manager (EFM), compliant with the specifications developed by the LegalXML Electronic Court Filing Technical Committee (TC) of the Organization for the Advancement of Structured Information Standards (OASIS). However, these interface specifications are still in development and are not a sufficient basis for a complete implementation. This document is intended to define the OXCI XML Interface Specifications for electronic filing.

A. OBJECTIVES

OXCI has identified conflicts between the existing LegalXML court filing architecture and the other technical requirements of the OXCI court filing architecture. For instance, the current Court Filing standard, Version 1.1, is defined as a Document Type Definition (DTD), which is inconsistent with the OXCI requirement that schemas be used rather than DTDs. While the next Court Filing specification, “Blue,” is to be based on schemas, it is still a work in progress.

The purpose of this document is to define the following XML specifications for use in the OXCI architecture:

- *Court Filing Specification* – Supports filing of documents by the Electronic Filing Service Provider (EFSP) into the Case Management System (CMS) and Document Management System (DMS) through the EFM.
- *Query/Response Specification* – Supports queries by the EFSP of the CMS and DMS through the EFM.
- *Court Policy Specification* – Supports the communication of court-specific policies from the EFM to the EFSP.
- *Payment Specification* – Supports payments and receipts of payment of filing fees by the filter or EFSP.

These schemas will provide the interface specifications for OXCI until the Court Filing Blue specification reaches the Committee Recommendation stage:

B. CONVENTIONS

1. Key Words

The key words *must*, *must not*, *required*, *shall*, *shall not*, *should*, *should not*, *recommended*, *may*, and *optional* in this document are to be interpreted as described in Request for Comments (RFC) 2119.

2. Visual Indicators

In this document, fonts are used to indicate distinguish definitions from normal text as follows:

- Arial is used to indicate XML Schema Definitions (XSDs) or instances.
- **Bold** fonts are used to indicate elements and attributes.
- ***Bold, italicized, and underlined*** fonts are used to indicate elements and attribute definitions.
- Attributes begin with an at sign (@) such as **@id**.

3. XML Standards

The XML schemas and examples presented in the appendices conform with the World Wide Web Consortium (W3C) XML 1.0 and XML Schema 1.0 specifications

4. XML Namespaces

Elements and attributes in this specification will be fully qualified using namespace prefixes consistent with the Namespaces in XML 1.0 specification as follows:

Prefix	Namespace Uniform Resource Identifier	Specification
ds:	http://www.w3.org/2000/09/xmldsig#	XML Digital Signature
cf:	http://oxci.sourceforge.net/xml/CourtFiling	OXCI Court Filing
cp:	http://oxci.sourceforge.net/xml/CourtPolicy	OXCI Court Policy
eb:	http://www.oasis-open.org/committees/ebxml-msg/schema/msg-header-2_0.xsd	Electronic Business XML (ebXML) Messaging Service 2.0
eg:	http://www.oasis-open.org/committees/egov-tc	OASIS e-Government Extensions for ebXML Messaging Service (ebMS) (proposed)

Prefix	Namespace Uniform Resource Identifier	Specification
j:	http://www.it.ojp.gov/jxdm/3.0	Global Justice XML Data Model (GJXDM) 3.0
pmt:	http://oxci.sourceforge.net/xml/Payment	OXCI Payment
qr:	http://oxci.sourceforge.net/xml/QueryResponse	OXCI Query Response
ubl:	urn:oasis:names:specification:ubl:schema:xsd:CommonAggregateComponents-1.0	Universal Business Language (UBL) 1.0
xsd:	http://www.w3.org/2001/XMLSchema	XSD
xsi:	http://www.w3c.org/2001/XMLSchema-Instance	XML Schema Instance

5. Element and Type Definitions

Element and type definitions are presented graphically using schema diagrams that illustrate type derivations, required and optional elements, and cardinality. Solid lines indicate required elements. Dashed lines indicate optional elements.

C. TERMINOLOGY

This specification uses the following terminology as defined in the OASIS LegalXML Court Filing 1.1 specification:

Term	Definition
Application	A generic term used to identify a cooperating system (e.g., Electronic Filing Provider [EFP], EFM, CMS).
Authentication	The process of verifying the identity of the user or filer. This process may reside in either the EFP or the EFM. In either case, authentication data is to be included in every envelope.
Binary Document	A document that contains binary characters. Binary documents are often in a proprietary format (e.g., Portable Document Format [PDF] file, Word document, WordPerfect document). This may also be called a Binary Large Object (BLOB). It may include XML that is nonnormative (to this standard).
Case Management System (CMS)	Software that records and manages court cases, records, calendars, financial transactions, and other information. Depending on the implementation, this could include more than one application.

Term	Definition
Document Management System (DMS)	A DMS manages, retrieves, and stores documents electronically.
CMS/DMS	CMS with an embedded DMS. Depending on the implementation, this could be a single application.
Docket Entry	The recording in a docket or register of actions of a filing, event, or activity that the court makes part of its official record.
Docketing	The process invoked when a CMS receives a pleading, order, or notice; when no errors in transmission or in presence of required content have occurred; and when the pleading, order, or notice is recorded as a part of the official record.
Document	An XML document instance.
Electronic Filing	Documents and data submitted to the court electronically by means of an XML-based protocol.
Electronic Filing Manager (EFM)	An EFM (or Electronic Filing Management system) is middleware that receives, presents, and manages electronic filings; the EFM is also considered a server in the electronic filing process.
Electronic Filing Provider (EFP)	An EFP is a front-end application that prepares and submits filings. The EFP is the application on the filer's side of the electronic filing architecture, and it is also called the client.
Filing	The set of electronic documents and associated metadata included in a submission intended to be docketed by the court. This document or collection of documents is either accepted or rejected by the court. It should be noted that, in some courts, "filing" means acceptance of a packet of associated documents. Filing is understood as opposed to "docketing," which is the recording in a docket or register of actions of a filing, event, or activity that the court makes part of its official record
Filing Data	All data that is necessary to provide a useful and complete electronic filing and to support electronic access.
Filing Metadata	Data about the documents within a filing. For every electronic submission, metadata flows from an EFP into a CMS/DMS.
Party	For the purposes of this document, "party" refers only to those persons directly affected by the outcome of the court case: defendants, plaintiffs, etc. In particular, judges and attorneys representing the parties are not considered parties to the case.
Placeholder	An element name reserved for future expansion of the standard.

Term	Definition
Submission	A filing or group of filings delivered to the court.
User	The person sitting at the keyboard of the remote machine (i.e., who is preparing and submitting a filing).

APPENDIX G includes a glossary of acronyms used in this document.

D. APPROACH

The OXCI EFM Architecture document includes design decisions that define all aspects of the system architecture. The following table summarizes the design decisions that directly impact the application-level interface data structures:

Design Issue	Candidate Solutions	OXCI Decision
Messaging Protocols	Simple Object Access Protocol (SOAP) 1.2 With Attachments and WS-Security, ebXML Messaging 2.0	ebMS 2.0
Authentication Protocols	Secure Sockets Layer (SSL), XML Signature	EFSP: SSL as Needed; Filer: None
Encryption Protocols	SSL, XML Encryption	SSL; ebMS Extensions for XML Encryption
Application Data Structure Definitions	XML DTD, XML Schema, Resource Description Framework (RDF)	XML Schema
Application Envelope Schema	Court Filing 1.1 legalEnvelope Element, New GJXDM 3.0-Based FilingSubmissions Element, None	Court Filing Blue When Available; New GJXDM 3.0-Based FilingSubmissions Element
Application Object Schema	Court Filing 1.1, New GJXDM 3.0-Based Court Filing, Query/Response, and Court Policy Objects	Court Filing Blue When Available; GJXDM 3.0-Based Court Filing, Query/Response, and Court Policy Objects in the Interim

Refer to the OXCI EFM Architecture document for descriptions of each design issue, comparisons of the candidate solution, and the reasoning behind the selected solution. The key implications for development of an interim XML Schema for the OXCI Court Filing, Query/Response, and Court Policy interfaces are:

- XML data structures are defined using XML Schema.
- Message Service Handlers (MSHs) compliant with the ebMS Specification 2.0 provide all messaging services including transport, routing and packaging (TRP) between the EFSP and the EFM. XML Signatures and Encryption, implemented using the OASIS e-Government TC messaging extensions for ebXML, provide data integrity, confidentiality, and non-repudiation.
- The GJXDM 3.0 operational release provides a primary data dictionary for most elements in the Court Filing, Query/Response, and Court Policy schemas. GJXDM elements are included by creating subset schemas according to the guidance in the “Rules for Creating Subset Schema” document provided by GTRI.
- Other elements not found in the Justice XML Data Model are defined consistent with the naming and structural conventions of the GJXDM.

E. DOCUMENT ORGANIZATION

As stated above, this specification documents the XML interface specifications for the public filing, Query/Response, policy, and payment interfaces to the OXCI EFM. The rest of the system architecture is defined in the OXCI EFM Architecture document. The remainder of this document is organized as follows:

- Section II describes the OXCI Court Filing specification.
- Section III describes the OXCI Query/Response specification.
- Section IV describes the OXCI Court Policy specification.
- Section V describes the OXCI Payment specification.
- Section VI describes an implementation of the OXCI interface specifications using ebMS 2.0, XML Signatures and XML Encryption.

There are also several appendices, as follows:

- APPENDIX A includes the full Court Filing XSD file.
- APPENDIX B includes the full Query/Response XSD file.
- APPENDIX C includes the full Court Policy XSD file.
- APPENDIX D includes the full Payment XSD file.

- APPENDIX E includes examples of each of the above schemas.
- APPENDIX F includes a map of each element from the LegalXML Court Filing 1.1 DTD to the corresponding element or elements in the OXCI Court Filing schema.
- APPENDIX G is a glossary of terms used in this specification.
- APPENDIX H is a list of references used for this specification.
- APPENDIX I includes the revision history of this specification.

II. COURT FILING SPECIFICATION

II. COURT FILING SPECIFICATION

This section defines the OXCI Court Filing specification in the following subsections:

- *Requirements* describes the interface requirements for the Court Filing specification.
- *Elements* defines the elements that make up the Court Filing XML schema.

A. REQUIREMENTS

The Court Filing 1.1 specification, developed in collaboration with Consortium of State Court Administrators (COSCA) and the National Association of Court Managers (NACM), is an OASIS Proposed Standard. The specification includes a DTD defining a **legalEnvelope** structure for encapsulating legal filings. The DTD also defines elements for submitting and confirming filings with a court and placeholders for query and response elements to be defined in the Query/Response specification. The data elements in the Court Filing 1.1 specification have been reconciled with elements in the Record of Arrest and Prosecution (RAP) Sheet, Regional Information Sharing Systems (RISSs), and American Association of Motor Vehicle Administrators (AAMVA) XML through the Justice XML initiative.

Because XML Schemas were designed to replace DTDs, it should be possible to convert the Court Filing DTD to a schema with little or no loss of interoperability. However, the DTD also includes elements that overlap with elements in the Web service protocols that are described below in subsection II.B. Therefore, at a minimum, OXCI should modify the Court Filing schema to minimize or eliminate the overlap of elements. Unfortunately, this results in incompatibility with strict implementations of the current Court Filing specification. Consequently, the OXCI EFM will not attempt to maintain compatibility with the Court Filing 1.1 specification.

The Court Filing TC is currently developing a follow-on specification code-named Court Filing Blue. According to the working definition originally developed at the December 2003 meeting of the TC, "OASIS LegalXML Court Filing Blue is a set of specifications that provides the ability to electronically exchange information between and among the courts, their partners, and customers." The requirements for Court Filing standard Blue are still in development but, as of February 2004, they included the following principles:

1. Leverage existing XML standards.

1.a. XML Schemas.

- 1.b. XML Namespace.
- 1.c. XML Signature.

2. Support emerging Justice System data structures.
 - 2.a. GJXDM.

3. Support court-specific data.
 - 3.a. Specific XML schemas.
 - 3.b. FlatFile.

4. Define Basic Court Filing Envelope and methods of embedding information.
 - 4.a. GJXDM.
 - 4.b. Binary Objects.
 - 4.c. Implementation Specific extensions.
 - 4.d. XML Signatures.

5. Support all Binary types.
 - 5.a. PDF.
 - 5.b. TIFF.
 - 5.c. XML Documents (Court Document).
 - 5.d. Others.

6. Define Methods of publishing Court Specific requirements.
 - 6.a. Court Policy.

7. Define methods of conforming to and or recognizing levels of interoperability.
 - 7.a. Level 1: Court Filing envelope (conformance required).
 - 7.b. Level 2: + messaging (e.g., ebXML envelope) + server authentication (recognized).
 - 7.c. Level 3: + user authentication + access controls (recognized).

8. Identify standards for messaging and communication that are recognized.
 - 8.a. HTTP synchronous and asynchronous responses.
 - 8.b. Web services (SOAP, WSDL, UDDI).
 - 8.c. ebXML/ebMS.

9. Identify recognized methods to implement security usage.
 - 9.a. XMLSig (signatures, document integrity).
 - 9.b. XML Encryption (sealed documents).
 - 9.c. SAML.
 - 9.d. Certificates.

- 9.e. Privacy (payment information).
- 9.f. Define in Court Policy whether it is proprietary or public.

- 10. Comply with governmental standards.
 - 10.a. FIPS.
 - 10.b. NCIC.
 - 10.c. HIPAA? (Are the courts covered entities?)

- 11. Support court functional standards.
 - 11.a. COSCA/NACM.

- 12. Support all court types and court filing types.

- 13. Define methods of certifying compatibility of layers of interoperability.
 - 13.a. Support version control of the envelope.
 - 13.b. Court specific schemas.
 - 13.c. Court policies.
 - 13.d. Publish methods of utilizing recognized messaging and communication standards.

The OXCI EFM must support the Court Filing Blue specification when it reaches the Proposed Recommendation stage. In the interim, OXCI has developed the OXCI Court Filing specification. OXCI will submit the specification to LegalXML for review, comment, and consideration in future specifications. Ultimately, OXCI will target Level 2 interoperability with other Court Filing Blue implementations.

B. ELEMENTS

1. Elements Derived From the GJXDM

The OXCI Court Filing schemas include the following types defined as subsets of types defined in the GJXDM 3.0:

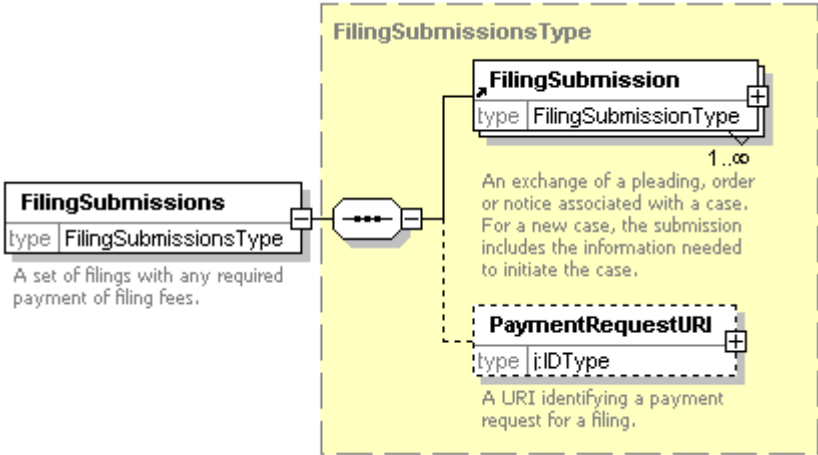
GJXDM 3.0 Type
j:ArrestType
j:BailType
j:BookingType
j:CaseType
j:CourtEventType

GJXDM 3.0 Type
j:CaseParticipantsType
j:SubmissionType
j:CourtType
j:DispositionType
j:DocumentDescriptionMetadataType
j:DrivingIncidentType
j:IDType
j:IncidentType
j:ChargeType
j:SubjectType

2. Filing Submissions Elements

cf:FilingSubmissions

This element encapsulates one or more filings and includes an optional payment request. The **cf:PaymentRequestURI** *must* refer to an attached or Web-accessible **pmt:Payment** or **pmt:PaymentRequest** document.



cf:FilingSubmission

This element extends from the **j:SubmissionType**, which includes the individuals or organizations submitting and receiving the document and the dates and times submitted. Additional elements include identifiers for the submission, court, case, and case initiation information.

The **cf:FilingSubmission** element *must* include the following elements:

- **j:SubmissionSubmittedDate**
- **j:SubmissionSubmittedTime**
- **cf:FilingSubmissionID**
- **j:Court**
- **j:Case**
- **cf:DocumentSubmission**

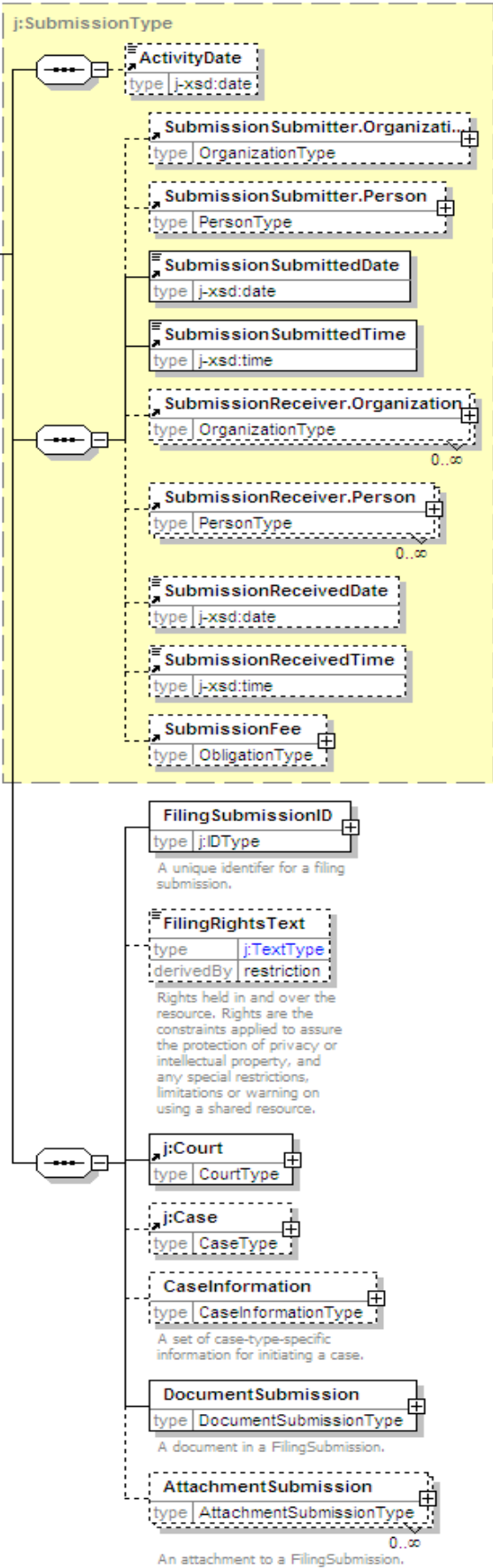
The **cf:DocumentSubmission** describes the lead document. The **cf:FilingSubmission** element *must* also include a **cf:AttachmentSubmission** element for each document attached to the lead document.

The **j:Case** element includes the identifiers, participants, and status of a case. If the filing is part of an existing case, **j:Case** *must* include the case number in **j:CaseTrackingID**.

If the filing is initiating a new case, **j:Case** *must* include the **j:CaseClassification** and **j:CaseParticipants** elements. The **j:CaseParticipants** element contains the actors (persons, organizations, or property) associated with the case. Each actor that is also a subject of a criminal filing *must* be described using the **j:Subject** element (part of **cf:CriminalFiling**) and **j:CaseParticipants** *must* include a **j:CaseDefendentPartyReference.Person** element which references the **j:Subject** element using the **@ref** attribute. All other actors in the case should be described with the appropriate elements in **j:CaseParticipants**.

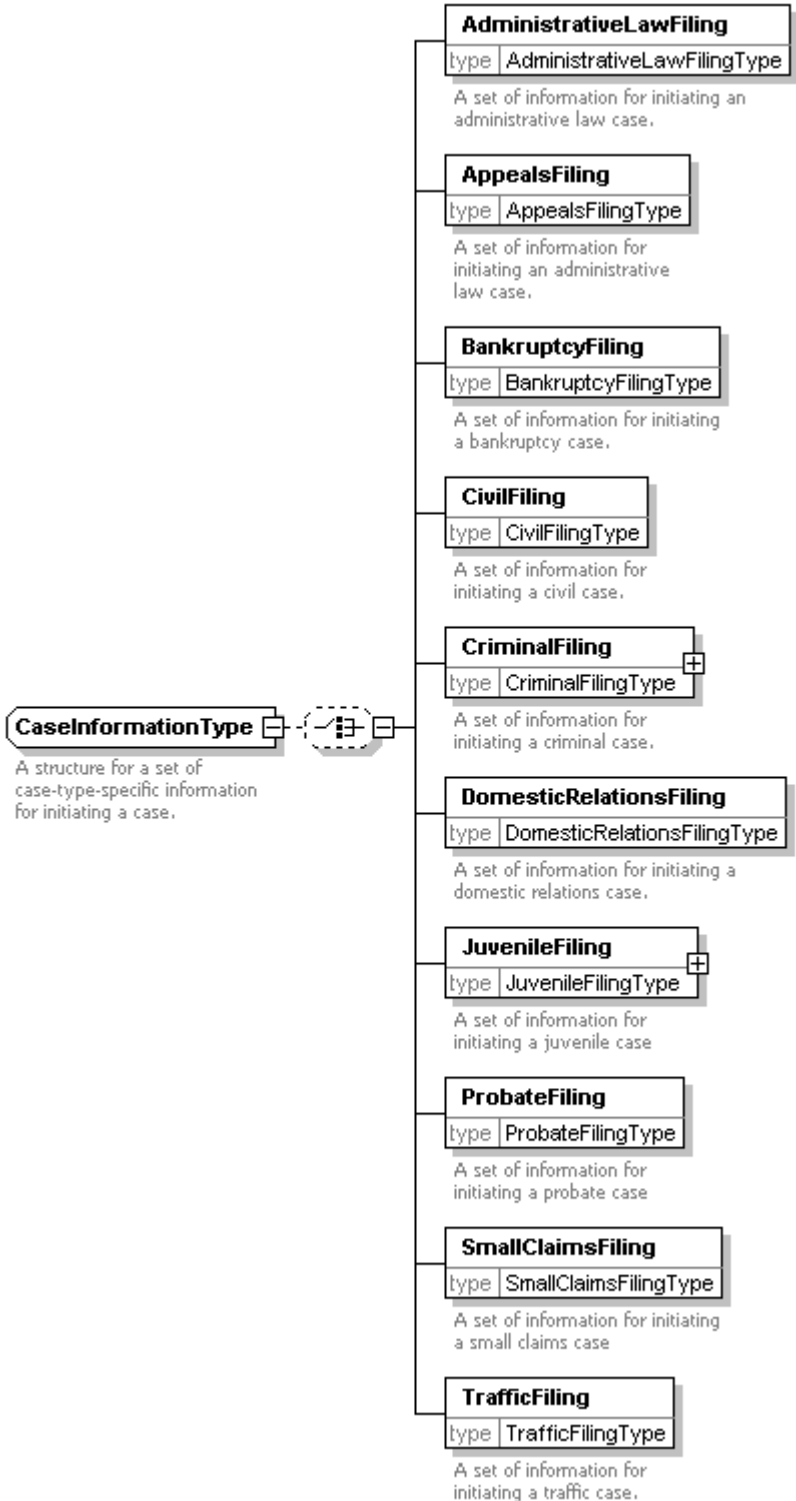
The **cf:FilingRightsText** element describes any special access restrictions associated with the filing. The allowable values are “sealed” for sealed filings, “redacted” for filings that have been edited, or “none” for all other filings.

FilingSubmissionType
 A structure for an exchange of a pleading, order or notice associated with a case. For a new case, the submission includes the information needed to initiate the case.



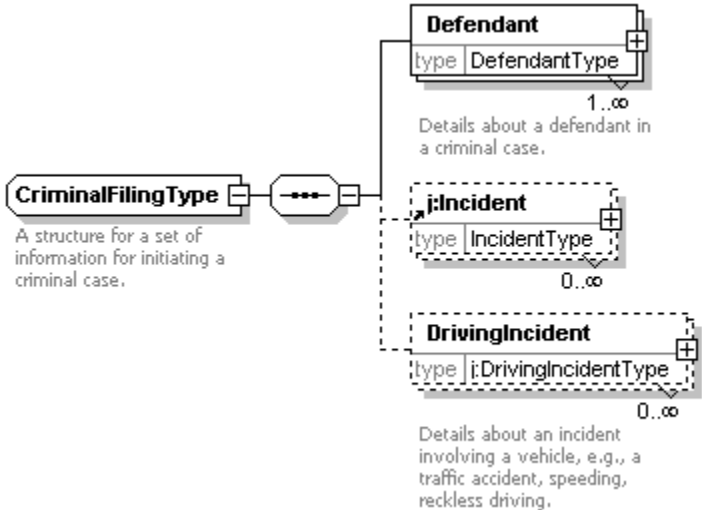
cf:CaseInformation

This element includes case-type-specific information for initiating a case or for adding information to an existing case. If the filing initiates a new case, **cf:CaseInformation** *must* be included.



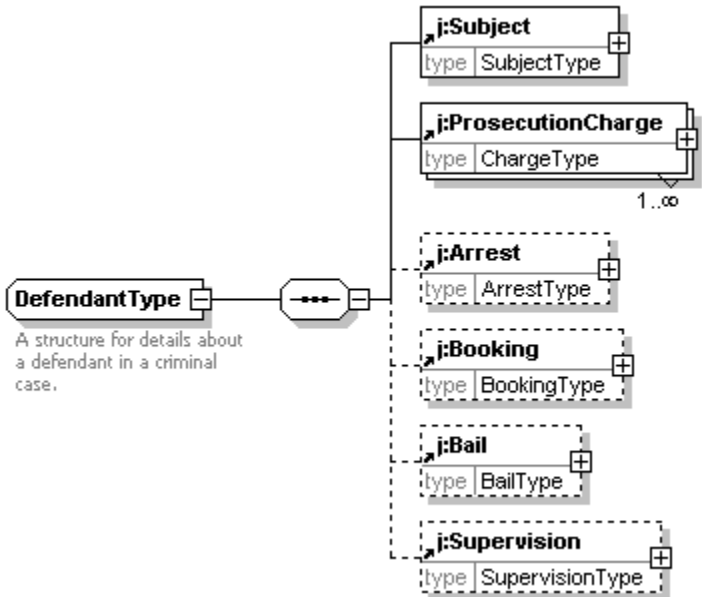
cf:CriminalFiling

This element includes information specific to criminal cases, including information for each defendant and optional information regarding an incident or incidents related to the case.



cf:Defendant

This element includes identification information for the subject, prosecution charges against the subject, and optional information regarding the arrest, booking, bail, or custody supervision of the subject. The **j:Subject** element *must* include the `@id` attribute to uniquely identify the subject in the filing.



cf:DocumentSubmission

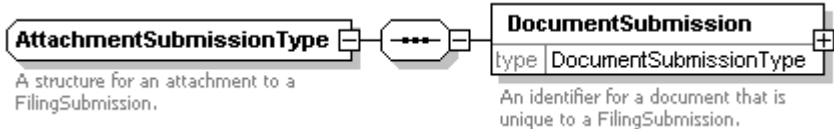
This element extends from the **j:DocumentDescriptiveMetadataType**, including the document title, description, and creation date of the lead document. **cf:DocumentSubmission** *must* include the **cf:DocumentSubmissionID** element to provide a unique identifier for each document in the **cf:FilingSubmission**.

The **j:DocumentRightsText** element describes any special access restrictions associated with the document. The allowable values are “sealed” for sealed documents, “redacted” for documents that have been edited, or “none” for all other documents.



cf:AttachmentSubmission

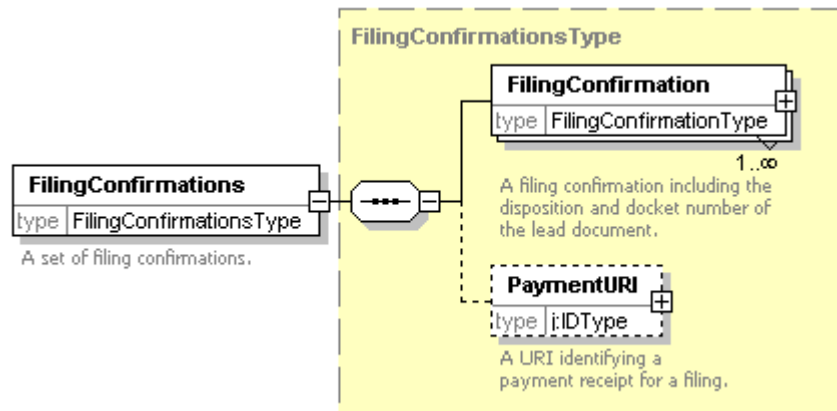
This element includes **cf:DocumentSubmission** information for each attachment.



3. Filing Confirmations Elements

cf:FilingConfirmations

This element encapsulates one or more filing confirmations and includes an optional reference to a receipt of payment. If the **cf:FilingSubmissions** element contained a **cf:PaymentRequest** document, the **cf:PaymentURI** *must* refer to an attached or Web-accessible **pmt:Payment** document.



cf:FilingConfirmation

This element is a confirmation of a **cf:FilingSubmission**. This element extends from the **j:SubmissionType**, which includes the individuals or organizations submitting and receiving the document and the dates and times submitted and received. Additional elements include identifiers for the submission, case, and disposition information for the lead document and each attached document.

The **cf:FilingConfirmation** element *must* include the following elements:

- **j:SubmissionSubmittedDate**
- **j:SubmissionSubmittedTime**
- **j:SubmissionReceivedDate**
- **j:SubmissionReceivedTime**
- **cf:FilingSubmissionID**
- **j:CaseTrackingID**

- **cf:FilingDisposition**
- **cf:DocumentConfirmation**

In the OXCI EFM Architecture, **cf:FilingSubmission** and **cf:FilingConfirmation** elements are used to send filings and update filing status between the EFSP and EFM, as well as between the EFM and the CMS and DMS adapters.

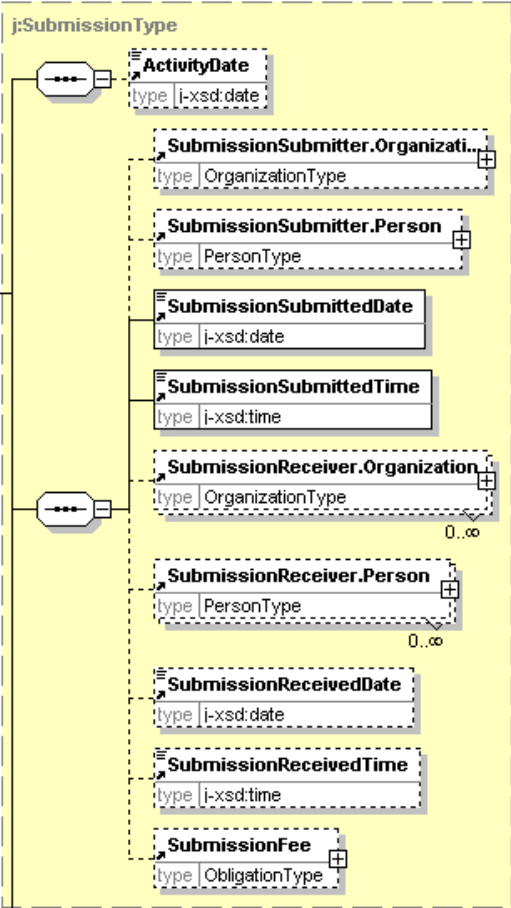
For each **cf:FilingSubmission** received from the EFSP, the EFM *must* send the following **cf:FilingConfirmation** elements to the EFSP:

- Upon successfully receiving a **cf:FilingSubmission**, the EFM *must* send a **cf:FilingConfirmation** to the EFSP with a **cf:FilingDisposition** of “received.”
- If the clerk accepts the filing, the EFM *must* send a **cf:FilingConfirmation** to the EFSP with a **cf:FilingDisposition** of “accepted.”
- If the clerk rejects the filing, the EFM *must* send a **cf:FilingConfirmation** to the EFSP with a **cf:FilingDisposition** of “rejected.”
- Once the filing is docketed in the CMS and DMS, the EFM *must* send a **cf:FilingConfirmation** to the EFSP with a **cf:FilingDisposition** of “accepted.”

For each **cf:FilingSubmission** received from the EFM, the CMS and DMS adapters *must* send the following **cf:FilingConfirmation** elements to the EFM:

- Upon successfully receiving a **cf:FilingSubmission**, the CMS or DMS adapter *must* send a **cf:FilingConfirmation** to the EFM with a **cf:FilingDisposition** of “received.”
- Once the filing is docketed in the CMS or DMS, the CMS or DMS adapter *must* send a **cf:FilingConfirmation** to the EFSP with a **cf:FilingDisposition** of “filed.”

FilingConfirmationType
 A structure for a filing confirmation including dispositions and docket numbers for the lead document and attachments.



FilingSubmissionID
 type |i:IDType
 A unique identifier for a FilingSubmission.

FilingRights Text
 type |i:TextType
 Rights held in and over the resource. Rights are the constraints applied to assure the protection of privacy or intellectual property, and any special restrictions, limitations or warning on using a shared resource.

CaseTrackingID
 type |i:IDType
 A number used to track a case.

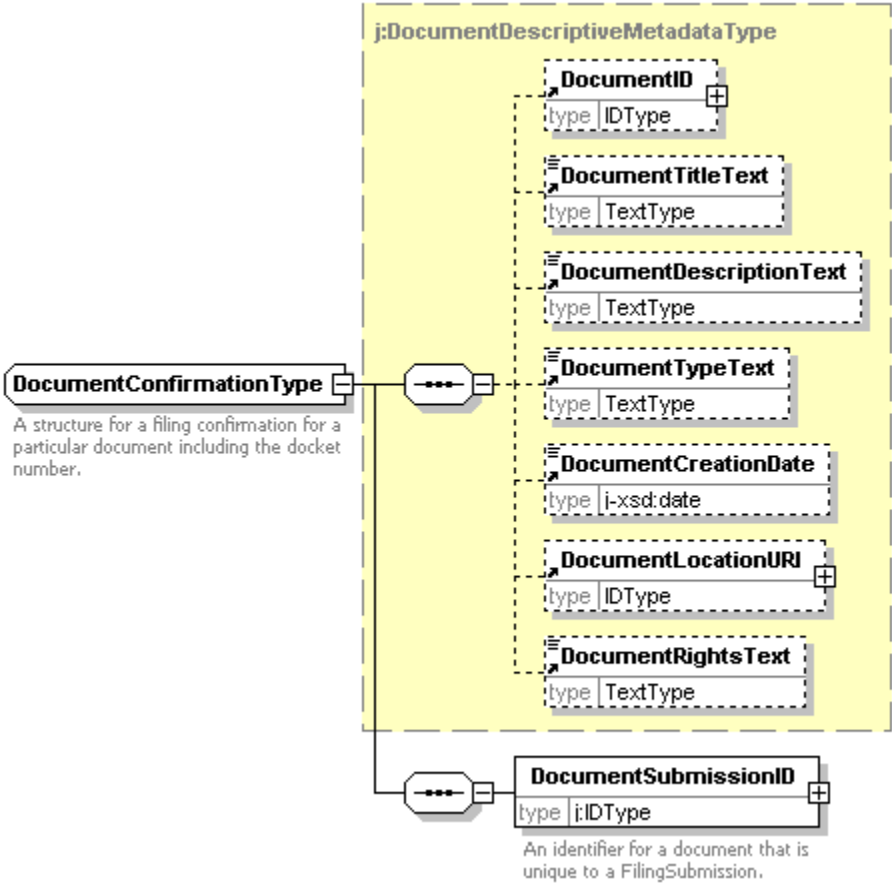
FilingDisposition
 type |FilingDispositionType
 A result or outcome that is the product of processing the filing.

DocumentConfirmation
 type |DocumentConfirmationType
 A filing confirmation for a particular document including the docket number.

AttachmentConfirmation
 type |AttachmentConfirmationType
 A filing confirmation for a particular attachment including the docket number.

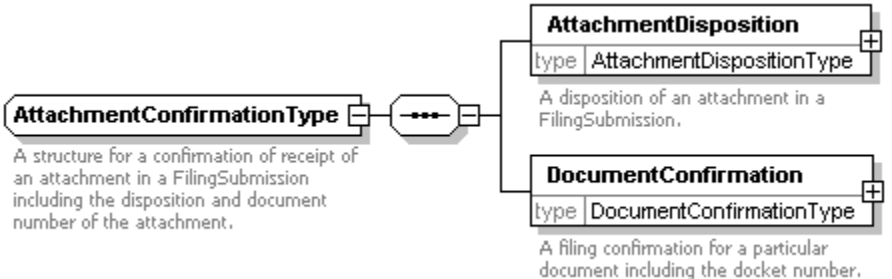
cf:DocumentConfirmation

This element extends from the **cf:DocumentConfirmationMetadataType** and *must* include the **j:DocumentSubmissionID**, which refers to the unique identifier for the document in the **cf:FilingSubmission**. The **cf:DocumentLocationURI** *may* refer to the Web-accessible location of the document. The **cf:DocumentID** *may* refer to the document docket number.



cf:AttachmentConfirmation

For each attachment in the **cf:FilingSubmission**, **cf:FilingConfirmation** *must* include this element, as well as the **cf:AttachmentDisposition** and **cf:DocumentConfirmation** elements.



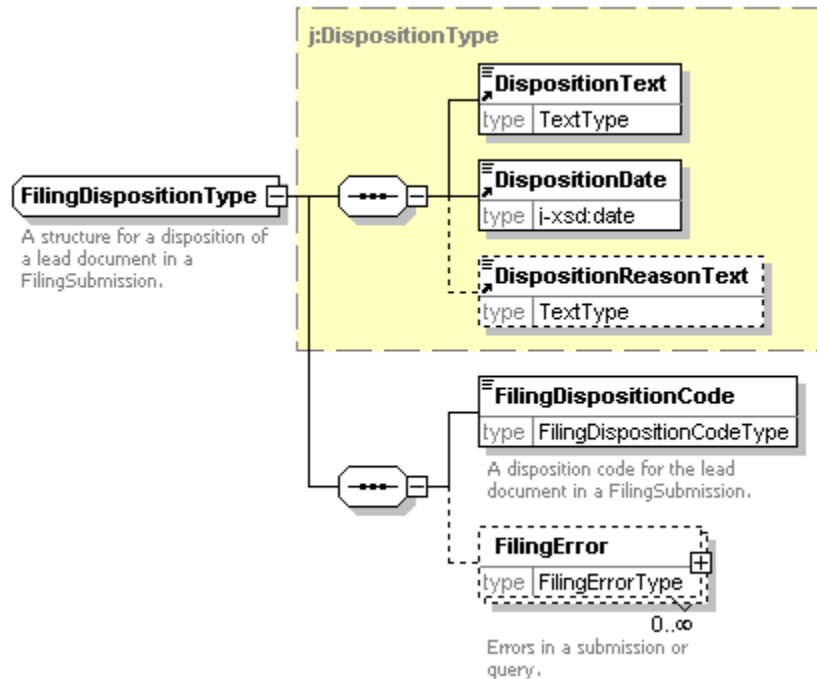
cf:FilingDisposition

This element includes the date, disposition text, and disposition code of a **cf:FilingSubmission**.

cf:FilingDisposition *must* include the following elements:

- **j:DispositionText**
- **j:DispositionDate**
- **cf:FilingDispositionCode**

The **cf:FilingDispositionCode** *must* be either “received,” “accepted,” “partial,” “defer,” or “rejected.”



cf:AttachmentDisposition

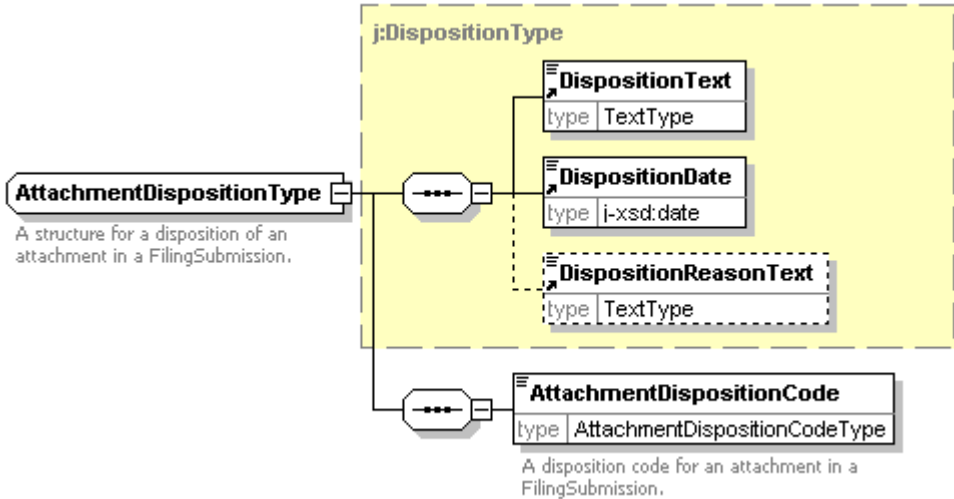
This element includes the date, disposition text, and disposition code of an attachment to a **cf:FilingSubmission**.

cf:AttachmentDisposition *must* include the following elements:

- **j:DispositionText**

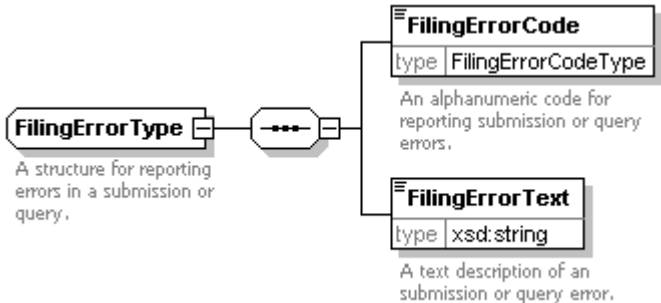
- **j:DispositionDate**
- **cf:AttachmentDispositionCode**

The **cf:FilingDispositionCode** *must* be either “received,” “accepted,” or “rejected.”



cf:FilingError

This element provides a structure for reporting errors associated with a filing. Errors *must* be described as text and codes using **cf:FilingErrorCode** and **cf:FilingErrorText**.



III. QUERY/RESPONSE SPECIFICATION

III. QUERY/RESPONSE SPECIFICATION

This section defines the OXCI Query/Response specification in the following subsections:

- *Requirements* describes the interface requirements for the Query/Response specification
- *Elements* defines the elements that make up the Query/Response specification.

A. REQUIREMENTS

In December 2002, the Court Filing TC published a draft “Electronic Court Filing Query and Response Standard.” The Query/Response specification defines an XML DTD for sending queries through the EFM and receiving responses from the court CMS and/or DMS. The specification also defines a set of queries to be supported by a compliant CMS or DMS, including the following queries:

- getCaseActorList

This query is used to retrieve the name and role of actors involved in the specified case (e.g., a party or an attorney) and the status of the actor on the case (e.g., active or inactive) and/or an identifier of that actor within a court’s CMS.

- getCaseList

This query is used to retrieve the fullCaseNumber and other information pertaining to the cases in which an actor is involved.

- getCaseCalendar

This query is used to retrieve the events scheduled by the court regarding a case (e.g., hearing dates or submission deadlines). This will comprise the date, time, courtName, courtEvent-Type and, where appropriate, courtEventReason of the event.

- getCaseDocument

This query is used to retrieve a single lead document and any of its attachments. The court may return the requested documentContent in a format it supports or it may choose to return only a hyperlink to the document. If the court’s practice is to supply hyperlinks, the requestor must then use the hyperlink to retrieve a copy of the document.

- getCaseHistory

The getCaseHistory query is used to retrieve the contents of the case “docket” (i.e., the recorded history of actions in a particular case). Each action will entail the docketEntry and the date on which it was made. The court may optionally include a courtDocumentReference, or documentContent, if applicable.

- getCaseInformation

The getCaseInformation query is used to retrieve information about a case (e.g., the caseTitle, also known as the case’s “caption”), the caseCategory (also called case “type”), the caseYear, and/or any applicable lineageCaseNumber values.

This query differs from **getCaseList** because **getCaseInformation** represents a request and response for a specific case that the requestor believes to exist, whereas **getCaseList** is a search for a possible list of cases that may or may not exist.

A court may wish to populate the caseInformation response to **getCaseInformation** a little more robustly than the same caseInformation as a response to **getCaseList**. In the search context, a lightly populated list of case numbers and titles might be appropriate and desirable, whereas in the more specific request context the court may wish to provide additional case details.

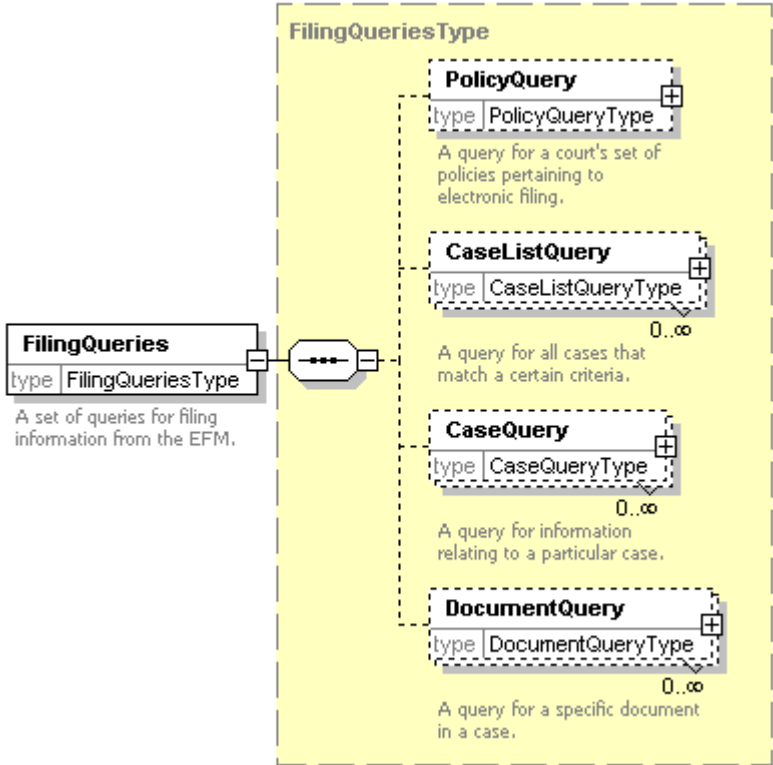
The OXCI EFM must conform to the LegalXML Query/Response specification when it reaches the Proposed Recommendation stage. The Court Filing TC has halted further development of the Query/Response specification until the Court Filing Blue specification is more clearly defined. In the interim, OXCI has developed the OXCI Query/Response specification. OXCI will submit this specification to LegalXML for review, comment, and consideration in future specifications.

B. ELEMENTS

1. Filing Queries and Responses Elements

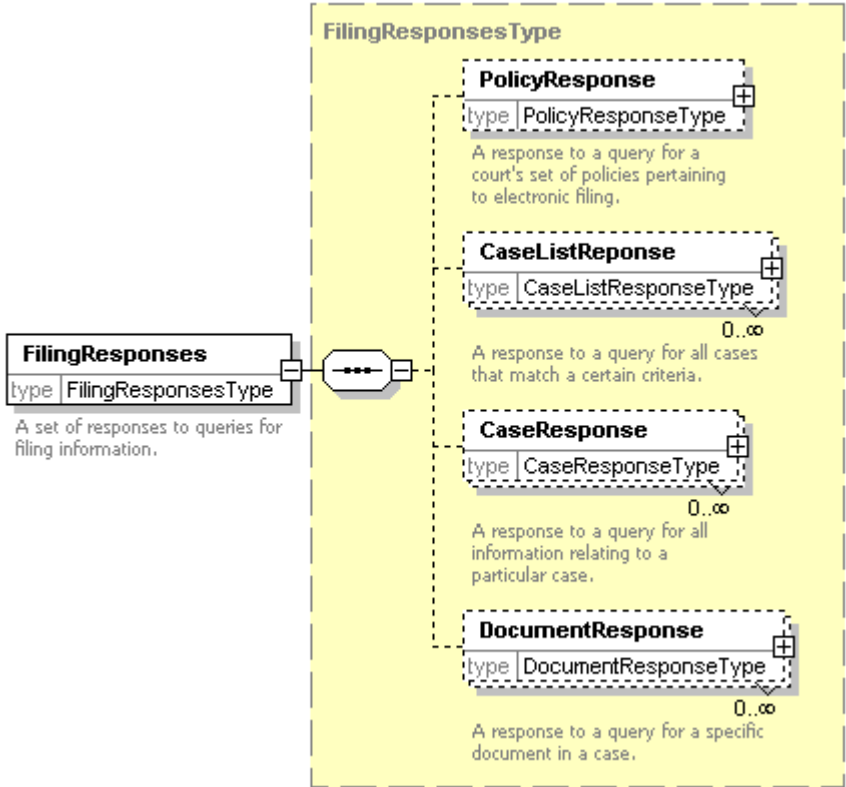
qr:FilingQueries

This element encapsulates one or more queries. Each query *must* include a **cf:FilingQueryID** to uniquely identify the query.



qr:FilingResponses

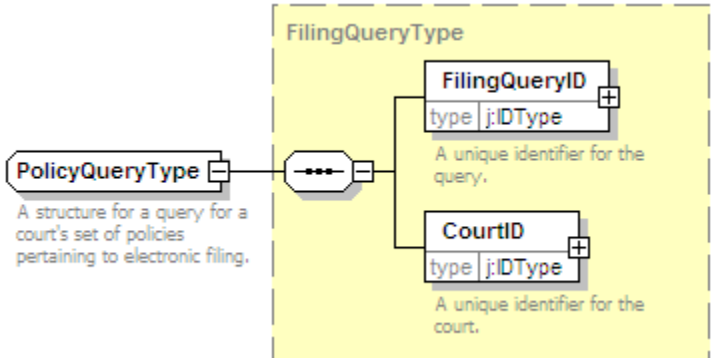
This element encapsulates one or more responses to **qr:FilingQueries**. Each response *must* include a **qr:FilingQueryID** to uniquely identify the query with which it is associated. Each unsuccessful query *must* also include a **cf:FilingError** to return an error related to the query.



2. Policy Query and Response Elements

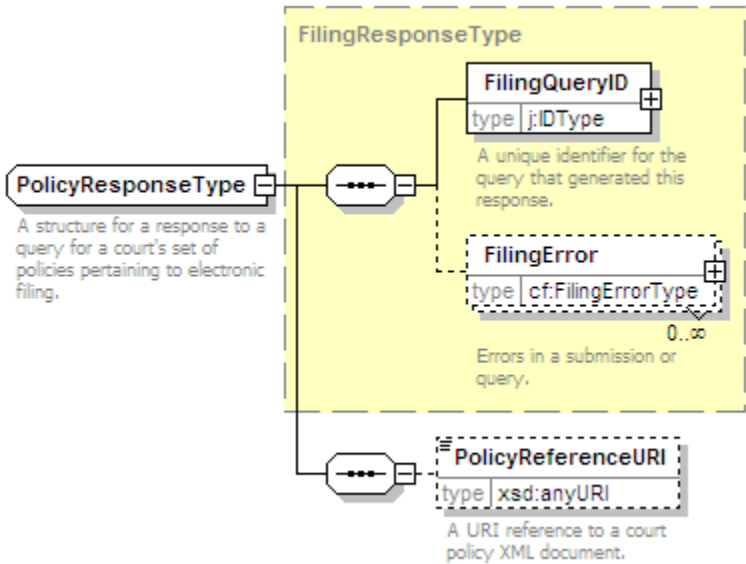
qr:PolicyQuery

This query element is a request for the CourtPolicy from the court identified by **cf:CourtID**. All queries must include the **cf:FilingQueryID** and the **cf:CourtID** elements.



qr:PolicyResponse

This element is a response to a **qr:PolicyQuery**. All response *must* include the **cf:FilingQueryID**. If the CourtPolicy from the court identified by **cf:CourtID** exists, the response must include the Uniform Resource Identifier (URI) of the CourtPolicy. All responses *must* include the **cf:FilingError** element if no elements are returned from the query.

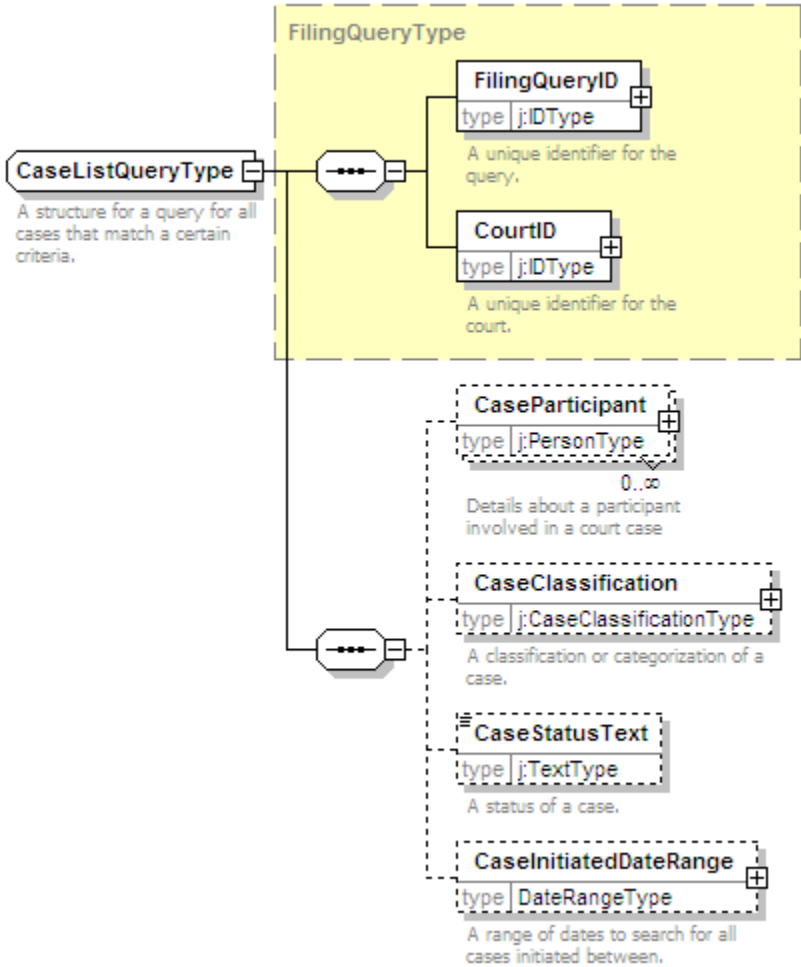


3. Case List Query and Response Elements

qr:CaseListQuery

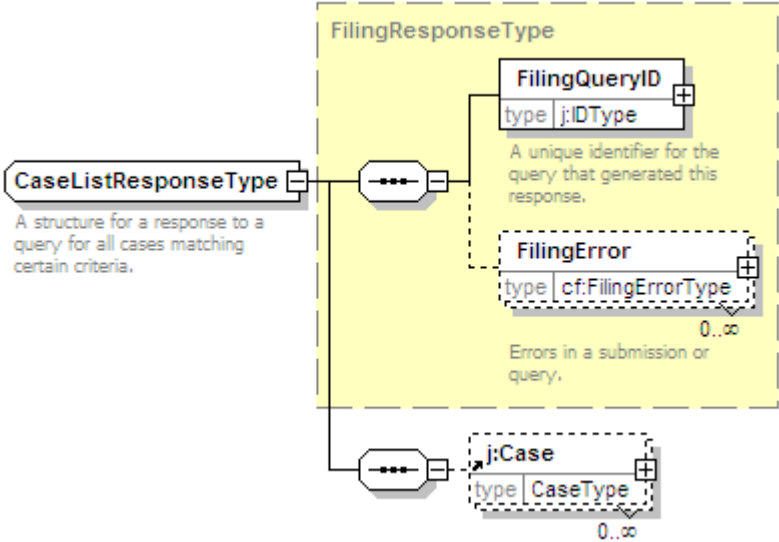
This element is a query for a list of cases that match a set of criteria including case participants, case classification, case status, and the date the case was initiated. In addition to **cf:FilingQueryID** and **cf:CourtID**, at least one element of the following *must* be included:

- **j:CaseParticipant**
- **j:CaseClassification**
- **j:CaseStatusText**
- **j:CaseInitiatedDateRange**



qr:CaseListResponse

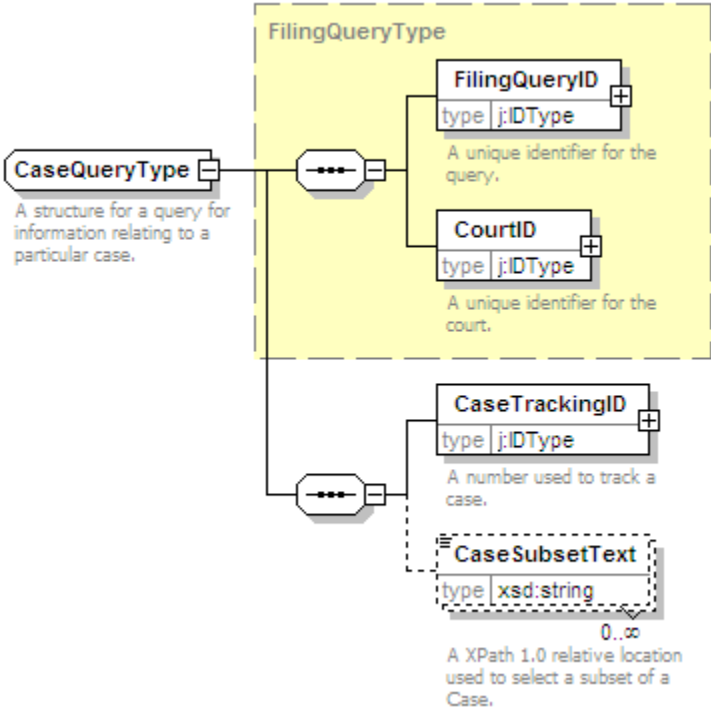
This element is a response to a **qr:CaseListQuery**. If the **cf:CourtID** is valid and any cases match the criteria provided in the query, the response *must* return a **j:Case** for each matching case. Each **j:Case** listed *must* include the **j:CaseTrackingID** element.



4. Case Query and Response Elements

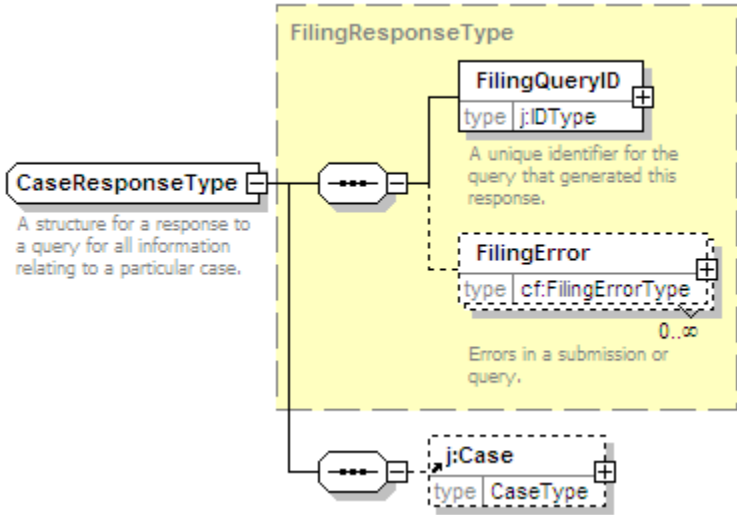
qr:CaseQuery

This element is a query for information regarding a case corresponding to a case number. In addition to **cf:FilingQueryID** and **cf:CourtID**, the query *must* include the case number as **j:CaseTrackingID**. **qr:CaseQuery** *may* include **qr:CaseSubsetText** as an XPath identifier for a specific set of elements from **j:Case** to be returned.



qr:CaseResponse

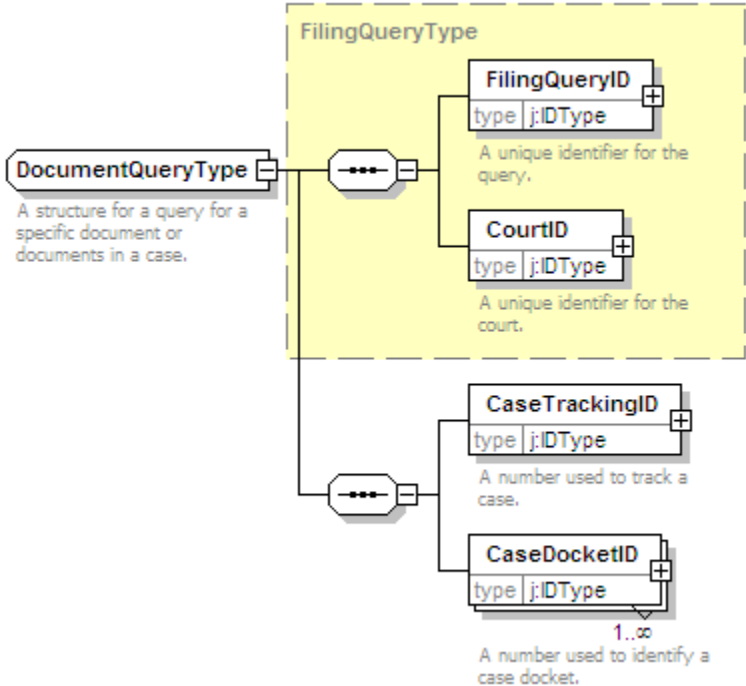
This element is a response to **qr:CaseQuery**. If the **cf:CourtID** is valid and the **j:CaseTrackingID** is a valid case number; the response must include the corresponding **j:Case** element. If the **qr:CaseQuery** included one or more **qr:CaseSubsetText** elements, the **j:Case** *should* be limited to those elements.



5. Document Query and Response Elements

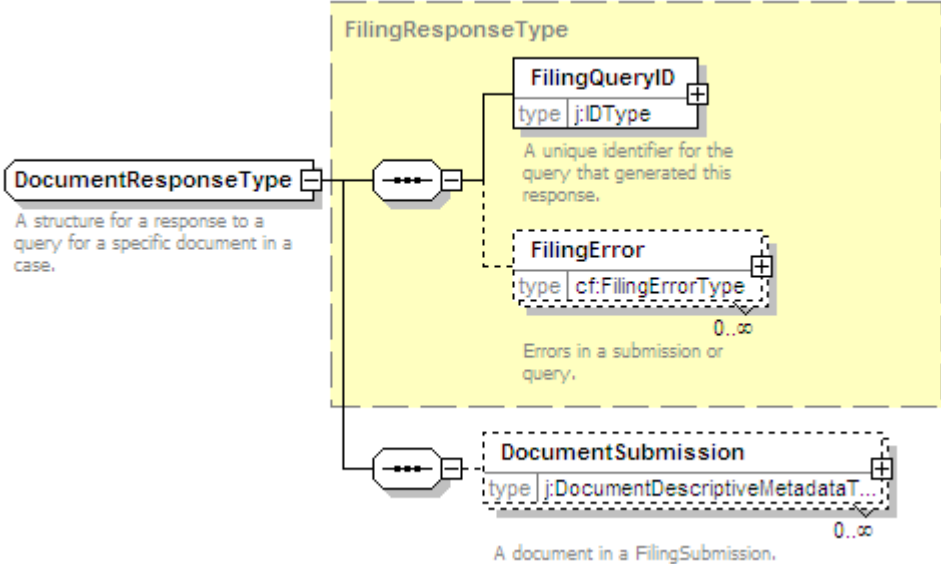
qr:DocumentQuery

This element is a request for an electronic copy of one or more documents in a case. In addition to **cf:FilingQueryID** and **cf:CourtID**, the query must include **qr:CaseTrackingID**, the case number, and one or more **qr:CaseDocketID** elements, the docket numbers of the documents.



qr:DocumentResponse

This element is a response to a **qr:DocumentQuery**. If the **cf:CourtID** is valid and the **qr:CaseTrackingID** and **qr:CaseDocketID** elements match to existing documents, the response *must* include **cf:DocumentSubmission** for each requested document. The **cf:DocumentSubmission** elements *must* each include a **j:DocumentLocationURI** that refers to an attached or Web-accessible document.



IV. COURT POLICY SPECIFICATION

IV. COURT POLICY SPECIFICATION

This section defines the OXCI Court Policy specification in the following subsections:

- *Requirements* describes the interface requirements for the Court Policy specification.
- *Elements* defines the elements that make up the Court Policy schema.
- *Local Extensions* defines the process for extending the Court Filing specification with court-specific elements, types, and code tables.

A. REQUIREMENTS

The Court Filing TC created a subcommittee to develop a Court Policy specification. In November 2002, the subcommittee published a draft of a “Court Policy Interface Requirements” document. The Court Policy specification was designed to meet the “need for all involved with electronic filing (courts, parties, attorneys, prosecutors, and so forth) to know the expectations and/or constraints placed on the data elements and other aspects of a given electronic filing system.” However, the Court Policy Interface Requirements document was reviewed and rejected by the TC.

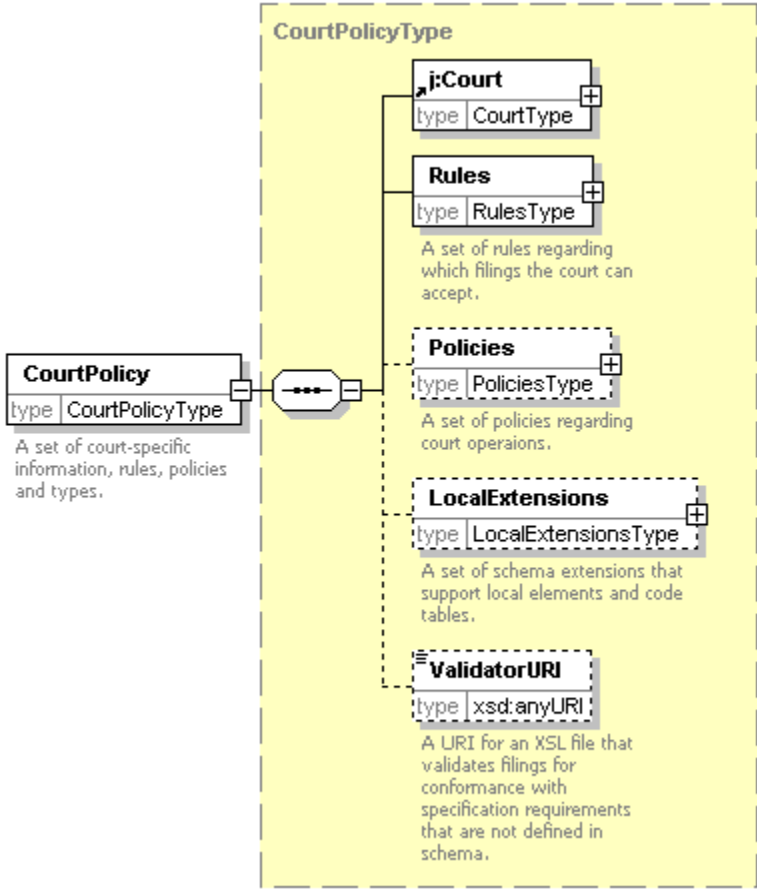
The “over-inclusive but optional” principle of the current Court Filing necessitates a means for an interface that describes a court’s rules and administrative procedures. The information that describes a Court Policy for a given court will likely be fairly static and could therefore be described in a schema published in a well-known location by each court.

The OXCI EFM must support the Court Policy specification when it eventually reaches the Proposed Recommendation stage. The Court Filing TC has halted further development of the Court Policy specification until the Court Filing Blue specification is more clearly defined. In the interim, OXCI has developed the OXCI Court Policy specification. OXCI will submit this specification to LegalXML for review, comment, and consideration in future specifications.

B. ELEMENTS

cp:CourtPolicy

This element includes court-specific information, including a **cf:CourtID** and contact information, rules, policies, and local extensions to the OXCI Court Filing specification. **cp:CourtPolicy** *must* include the **j:Court** and **cp:Rules** elements.

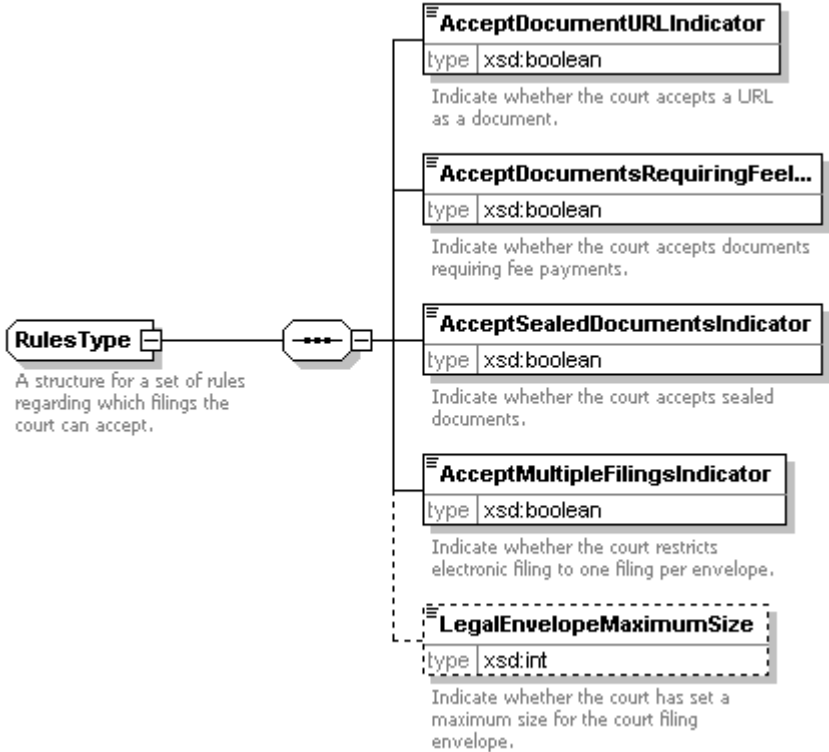


cp:Rules

This element includes rules that define which filings the court can accept.

The **cp:Rules** element *must* include the following indicator elements:

- **cp:AcceptDocumentURLIndicator**
- **cp:AcceptDocumentsRequiringFeeIndicator**
- **cp:AcceptSealedDocumentsIndicatorIndicator**
- **cp:AcceptMultipleFilingsIndicator**



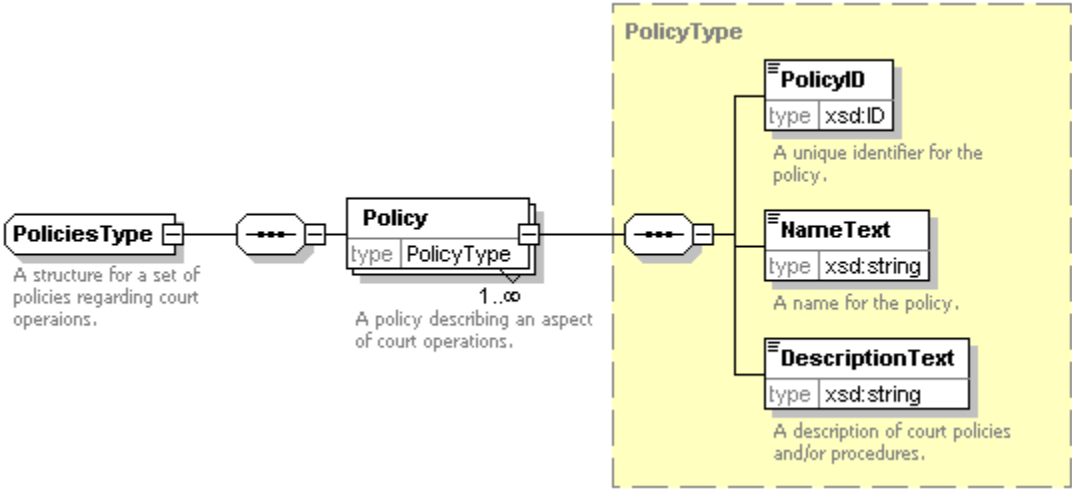
cp:Policies

This element defines court-specific policies for electronic filing. If **cp:CourtPolicy** includes the **cp:Policies** element, **cp:Policies** *must* include one or more **cp:Policy** elements.

Each **cp:Policy** element *must* include the following elements:

- **cp:PolicyID**

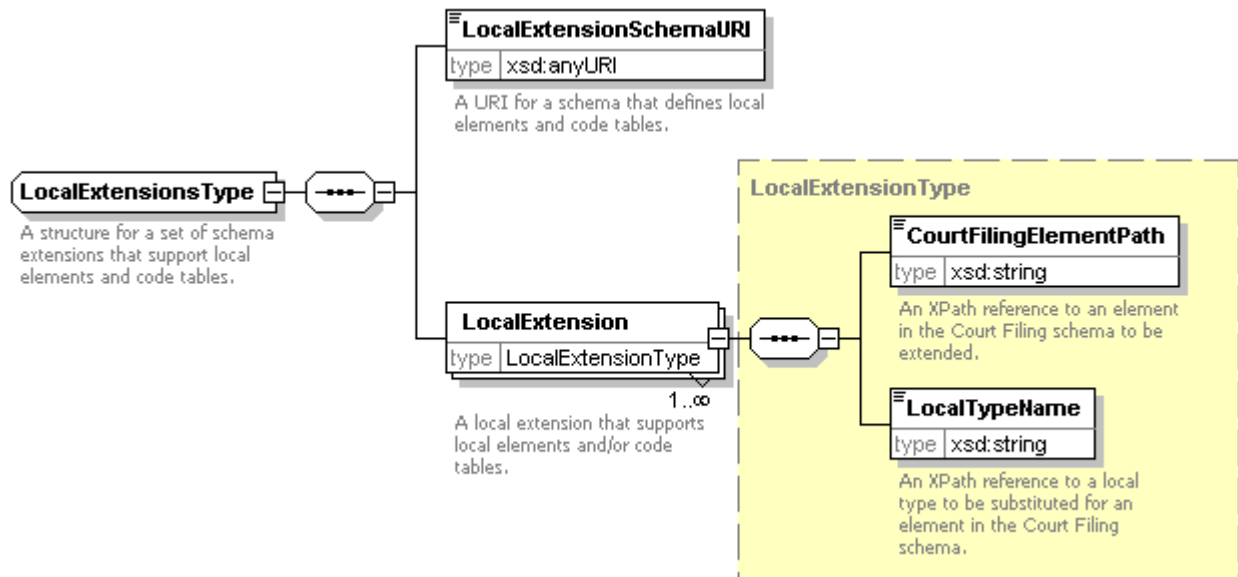
- **cp:NameText**
- **cp:DescriptionText**



cp:LocalExtensions

This element identifies an XML schema structure which support local elements, types, and code tables that extend the OXCI Court Filing schema. The **cp:LocalExtensions** *must* include a **cp:LocalExtensionSchemaURI**, which refers to a local schema, and one or more **cp:LocalExtension** elements. Each **cp:LocalExtension** element *must* include:

- **cp:CourtFilingElementPath** that provides an XPath reference to the element in the Court Filing schema to be extended.
- **cp:LocalTypeName** that provides an XPath reference to the type to be used instead of the default type for the above element. Local types must be derived from the default type for the element they are to extend.



C. LOCAL EXTENSIONS

Courts may extend the OXCI Court Filing specification using local elements, types, and code tables using XML Schema. Local schema definition files *must* be defined using local XML namespaces, and the local extensions *must* be identified in the local **cp:CourtPolicy** instance. XML instances of **cf:FilingSubmissions** and **cf:FilingConfirmations** *should* cast all elements identified using **cp:CourtFilingElementPath** as the **cp:LocalTypeName** using type substitution as described in the GJXDM “Rendering of the Data Model Schema” document.

V. PAYMENT SPECIFICATION

V. PAYMENT SPECIFICATION

This section defines the OXCI Payment specification in the following subsections:

- *Requirements* describes the interface requirements for the Payment schema.
- *Elements* defines the elements that make up the Payment schema.

A. REQUIREMENTS

The OXCI EFM must be able to accept payment requests or payment receipts from the EFSP and return receipts of payment to the EFSP. The EFM will pass through all payment requests to an external payment processor and will not be responsible for actual processing of the payment. The interface between the EFM and the payment processor is outside the scope of this specification.

B. ELEMENTS

1. Elements Derived From the UBL

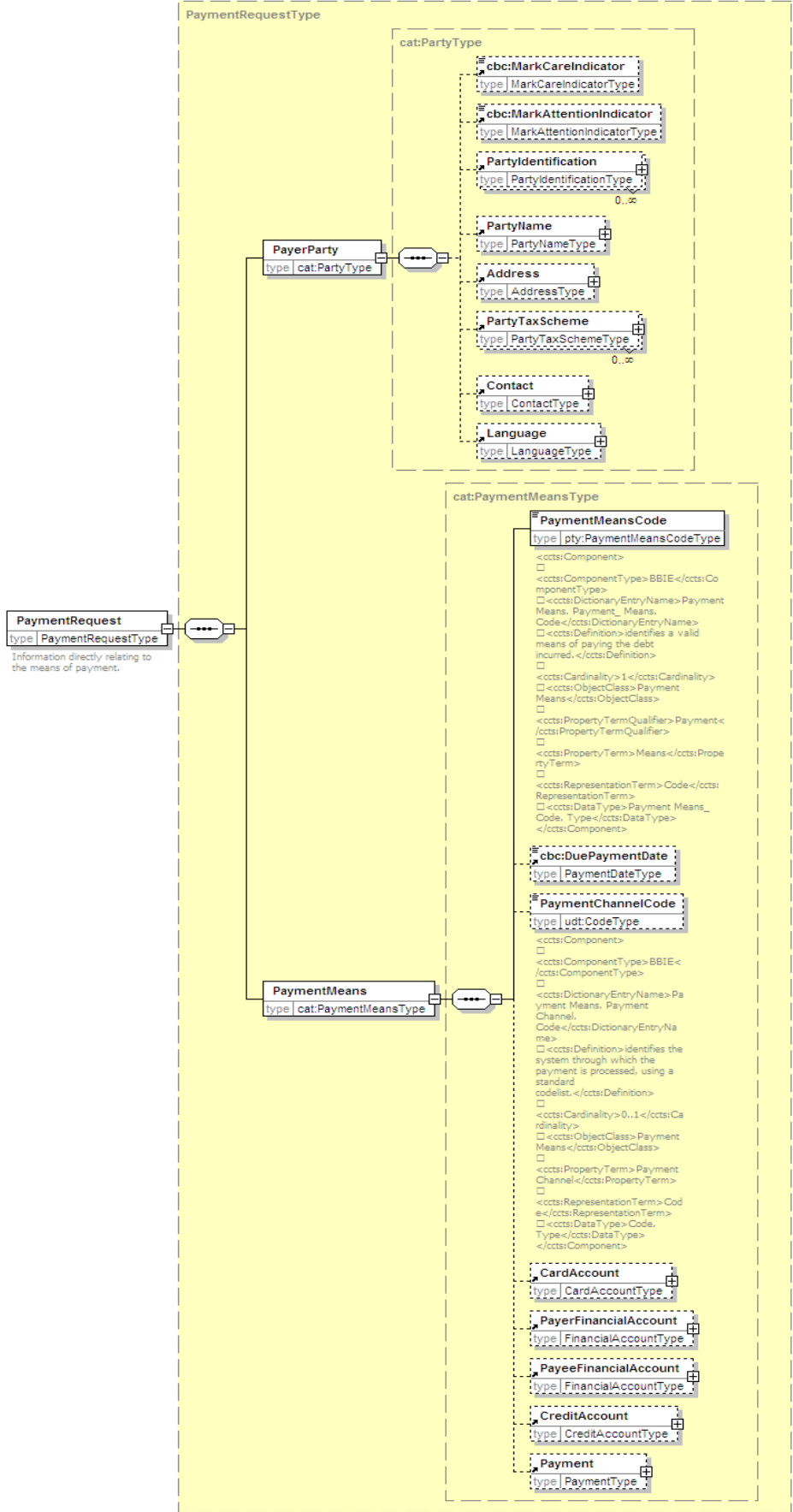
The Payment schema includes the following types derived from types defined in the UBL 1.0 specification.

Payment Type	UBL Type
pmt:PaymentRequestType	ubl:PaymentMeansType
pmt:PaymentType	ubl:PaymentType

2. Payment Elements

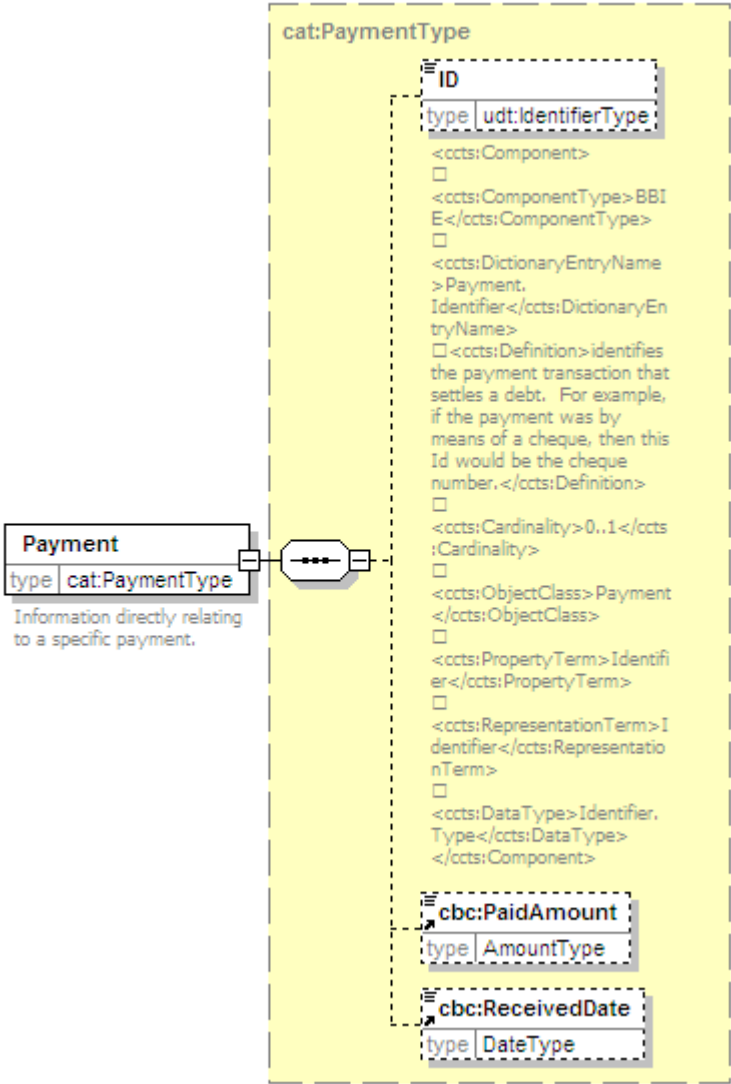
pmt:PaymentRequest

This element includes a request for payment derived from the **ubl:PaymentMeansType**. When the court processes filing fees and payments, the EFSP *must* include this element as an attachment to the **cf:FilingSubmissions** element.



pmt:Payment

This element is derived from **ubl:PaymentType** and is a response to a **pmt:PaymentRequest**. When the EFSP processes the filing fees and payments, the EFSP *must* include this element as an attachment to the **cf:FilingSubmissions** element. When the court processes filing fees and payments, the EFM *must* include this element as an attachment to the **cf:FilingConfirmations** element returned to the EFSP after the fees have been processed and the documents have been docketed.



VI. IMPLEMENTATION

VI. IMPLEMENTATION

The OXCI EFM implements the Court Filing and Query Response interfaces with the CMS and DMS adapters using the SOAP w/Attachments specifications as described below in subsections VI.A. and B.

The OXCI EFM implements the Court Filing and Query Response interfaces with an EFSP using the ebMS Specification 2.0 as described below in subsections VI.C. to F. Implementations of the EFSP interface using other messaging protocols such as SOAP or HyperText Transfer Protocol Secure (HTTPS) may be supported in future versions of the EFM.

A. SOAP W/ATTACHMENTS MESSAGING SPECIFICATIONS

The SOAP w/Attachments implementation of the OXCI Court Filing specifications *must* conform to the following recommended and proposed W3C specifications:

- W3C SOAP w/Attachments 1.1
- W3C WSDL 1.2

B. SOAP W/ATTACHMENTS MESSAGING STRUCTURE

The SOAP w/Attachments CourtFiling interfaces that support the filings and queries from the EFM to the CMS and DMS adapters, and the return of confirmations and responses from the CMS and DMS adapters to EFM, *must* be structured as follows:

SOAP w/Attachments MIME Envelope

MIME Part

SOAP-ENV Envelope

SOAP-ENV Header

SOAP-ENV Body

cf:FilingSubmissions or **cf:FilingConfirmations** or **cf:FilingQueries** or **cf:FilingResponses**

MIME Part

pmt:PaymentRequest or **pmt:Payment**

Documents (PDF, etc.)

C. EBMS MESSAGING SPECIFICATIONS

The ebMS interfaces that support filings and queries from the EFSP to the EFM, and confirmations and responses from the EFM to the EFSP, must conform to the following recommended and proposed W3C and OASIS specifications:

- OASIS ebMS Specification 2.0.
- XML Digital Signature.
- XML Encryption.
- OASIS e-Government TC SignatureBlock.
- Web Services Description Language (WSDL) 1.2

D. EBMS MESSAGING STRUCTURE

The ebMS CourtFiling interfaces that support filings and queries from the EFSP to the EFM, and confirmations and response from the EFM to the EFSP, *must* be structured as follows:

SOAP w/Attachments MIME Envelope

MIME Part

SOAP-ENV Envelope

SOAP-ENV Header

eb:MessageHeader

ds:Signature (optional)

eg:SignatureBlock (optional)

SOAP-ENV Body

eb:Manifest (optional)

cf:FilingSubmissions or **cf:FilingConfirmations** or **cf:FilingQueries** or **cf:FilingResponses**

MIME Part

pmt:PaymentRequest or **pmt:Payment**

Documents (PDF, etc.)

Those familiar with the LegalXML Court Filing 1.1 standard will notice that the ebXML implementation described above does not include a universal Court Filing legalEnvelope structure. The ebXML Messaging Header provides almost all of the elements included in the Court Filing 1.1 legalEnvelope structure. To avoid redundancy, the legalEnvelope is omitted from the OXCI XML Interface Specifications and the ebXML implementation. However, implementation of the OXCI XML Interface Specifications for the EFSP interface using other messaging layer protocols or standards may require an envelope-type structure. Furthermore, if the envelope is required for

Level 1 or Level 2 interoperability with Court Filing Blue, the OXCI XML Interface Specifications will need to include an envelope element for compatibility.

E. EBMS MESSAGING HEADER EXAMPLE

The ebMS specification describes the required and optional elements in the ebMS messaging header. The following table provides Court Filing examples for each element in the ebMS Messaging Header:

ebMS Element	Definition	OXCI Court Filing Example
eb:From	The party that originated the message.	<eb:From>
eb:From/PartyId	A string that identifies the party. A URI is recommended.	<eb:PartyId>uri:www.examplefiler.com</eb:PartyId>
eb:From/Role	A string that identifies the authorized roles of the party. A URI is recommended.	<eb:Role>http://oxci.sourceforge.net/roles/Filer</eb:Role>
eb:To	The party that is the intended recipient of the message.	</eb:From>
eb:To/PartyId	A string that identifies the party. A URI is recommended.	<eb:To>
eb:To/Role	A string that identifies the authorized roles of the party. A URI is recommended.	<eb:PartyId>uri:www.examplecourt.org</eb:PartyId>
eb:CPAId	A string that identifies the parameters governing the messages between the parties. A URI is recommended. The recipient must be able to resolve the CPAId to an individual set of parameters, taking into account the sender of the message.	<eb:Role>http://oxci.sourceforge.net/roles/Receiver</eb:Role>
eb:ConversationID	A string that identifies the set of related messages that make up a conversation between two parties.	<eb:CPAId>http://examplecourt.com/cpas/cpawithexamplefiler.xml</eb:CPAId>
eb:Service	The service that acts on the message. This is a URI.	<eb:ConversationID>20040405-123456-78901</eb:ConversationID>
eb:Action	A process within a service that processes the message.	<eb:Service>http://oxci.sourceforge.net/xml/CourtFiling</eb:Service>
		<eb:Action>FilingSubmissions</eb:Action> Other Actions: FilingConfirmations

ebMS Element	Definition	OXCI Court Filing Example
		FilingQueries FilingResponses
eb:DuplicateElimination	Identifies a request by the sender for the receiving MSH to check for duplicate messages.	<eb:DuplicateElimination/>
eb:MessageData/RefToMessageId	The MessageId of an earlier ebXML Message to which this message relates.	<eb:MessageData> <eb:MessageId>20040405-123456-78901@examplefiler.com</eb:MessageId>
eb:MessageData/TimeLive	The time, in Coordinated Universal Time (UTC), by which the message should be delivered to the To Party MSH.	<eb:Timestamp>2004-04-05T12:01:01</eb:Timestamp> <eb:RefToMessageId>20001209-133003-28571@example.com</eb:RefToMessageId>
eb:MessageData/MessageId	A globally unique identifier for each message conforming to MessageId (RFC2822).	<eb:Timestamp>2004-04-05T12:11:01</eb:Timestamp>
eb:MessageData/TimeStamp	The time the message header was created, in UTC.	</eb:MessageData>
eb:Description	A human-readable description of the purpose or intent of the message.	<eb:Description xml:lang="en-US">Filing of a Criminal Complaint</eb:Description>

F. EBMS SIGNATURE BLOCK EXAMPLE

The following table provides Court Filing examples for each element in the OASIS e-Government TC SignatureBlock:

SignatureBlock Element	Definition	OXCI Court Filing Example
ds:Signature	An optional digital signature applied to the envelope by the sending MSH to provide data integrity and non-repudiation.	<ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#"> <!-- Signature of the Complete SOAP Envelope (including eg:SecurityBlock), signed by the Portal Sending Message Handler --> </ds:Signature>
eg:SecurityBlock	A container for the Payload Signatures and SAML Assertions.	<eg:SecurityBlock version="1.0" SOAP:mustUnderstand="1" xmlns:eg="http://www.oasis-open.org/committees/egov-tc"> <eg:PayloadSignatures> <eg:PayloadSignature URI="cid://Payload1">
eg:PayloadSignatures	A container for the Payload Signatures.	<ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#"> <!-- Signature of the first payload by the Actioning Subject --> <ds:SignedInfo>
eg:PayloadSignature	An optional digital signature	<ds:CanonicalizationMethod Algorithm="http://www.w3.org/TR/2001/REC-xml-c14n-20010315"/>

SignatureBlock Element	Definition	OXCI Court Filing Example
	<p>applied to a payload by the originator of the payload. The Signature of the Payload must include the content identifier (CID) of the payload to ensure the binding of the signature to the correct payload.</p>	<pre><ds:SignatureMethod Algo- rithm="http://www.w3.org/2000/09/xmldsig#dsa-sha1"/> <ds:Reference URI="cid://Payload1"> <ds:DigestMethod Algo- rithm="http://www.w3.org/2000/09/xmldsig#sha1"/> <ds:DigestValue>...</ds:DigestValue> </ds:Reference> </ds:SignedInfo> <ds:SignatureValue>...</ds:SignatureValue> <ds:KeyInfo>...</ds:KeyInfo> </ds:Signature> </eg:PayloadSignature> </eg:PayloadSignitures> <!-- The SAML assertion that has been requested by the Portal --> </eg:SecurityBlock></pre>
<p>SAML:Assertion</p>	<p>An optional assertion to pass security credentials for authentication of the filer.</p>	<pre><saml:Assertion xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion" MajorVersion="1" MinorVersion="0" AssertionID="XY- 3456789-2003-0000000001" Issuer="UK:3456789" IssueInstant="2003-04-02T11:12:05Z"> <saml:Conditions NotBefore="2003-04-02T11:12:05Z" NotOnOrAfter="2003-04-03T11:12:05Z"/> <saml:SubjectStatement xsi:type="eg:SamlSubject"> <saml:AuthenticationStatement> <saml:subject> <saml:NameIdentifier/> <eg:SamlRole>ActioningSubject</eg:SamlRole> <eg:SamlRole>RequestingSubject</eg:SamlRole> </saml:subject> </saml:AuthenticationStatement> </saml:SubjectStatement> <saml:AttributeStatement> <saml:subject> <saml:NameIdentifier For- mat="??">12345678</saml:NameIdentifier> </saml:subject> <saml:Attribute AttributeName="" AttributeNamespace=""> <saml:AttributeValue xsi:type="eg:UidType"> <eg:Uid UidClassification="XY- Nation- allID">AA99999A</eg:Uid> </saml:AttributeValue> </saml:Attribute> </saml:AttributeStatement> </saml:Assertion></pre>

APPENDIX A
COURT FILING SCHEMA

COURT FILING SCHEMA

This appendix includes the Court Filing.xsd file, which is available at:

<http://oxci.sourceforge.net/xml/CourtFiling/CourtFiling0.9.1.xsd>

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v2004 rel. 3 U (http://www.xmlspy.com) by James Cabral (MTG Management Consultants LLC) -->
<xsd:schema targetNamespace="http://oxci.sourceforge.net/xml/CourtFiling" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:j="http://www.it.ojp.gov/jxdm/3.0" xmlns="http://oxci.sourceforge.net/xml/CourtFiling" elementFormDefault="qualified"
attributeFormDefault="unqualified" version="0.9">
  <xsd:import namespace="http://www.it.ojp.gov/jxdm/3.0" schemaLocation="../../jxdm/3.0/jxdm.xsd"/>
  <xsd:element name="FilingSubmissions" type="FilingSubmissionsType">
    <xsd:annotation>
      <xsd:documentation>A set of filings with any required payment of filing fees.</xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:complexType name="FilingSubmissionsType">
    <xsd:annotation>
      <xsd:documentation>A structure for a set of filings with any required payment of filing fees.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
      <xsd:extension base="j:SuperType">
        <xsd:sequence>
          <xsd:element ref="FilingSubmission" maxOccurs="unbounded"/>
          <xsd:element name="PaymentRequestURI" type="j:IDType" minOccurs="0">
            <xsd:annotation>
              <xsd:documentation>A URI identifying a payment request for a filing.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
        </xsd:sequence>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>
  <xsd:element name="FilingSubmission" type="FilingSubmissionType">
    <xsd:annotation>
      <xsd:documentation>An exchange of a pleading, order or notice associated with a case. For a new case, the
submission includes the information needed to initiate the case.</xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:complexType name="FilingSubmissionType">
    <xsd:annotation>
      <xsd:documentation>A structure for an exchange of a pleading, order or notice associated with a case. For a new
case, the submission includes the information needed to initiate the case.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
      <xsd:extension base="j:SubmissionType">
        <xsd:sequence>
          <xsd:element name="FilingSubmissionID" type="j:IDType">
            <xsd:annotation>
              <xsd:documentation>A unique identifier for a filing submission.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
          <xsd:element name="FilingRightsText" minOccurs="0">
            <xsd:annotation>
              <xsd:documentation>Rights held in and over the resource. Rights are the constraints applied to
assure the protection of privacy or intellectual property, and any special restrictions, limitations or warning on using a shared
resource. </xsd:documentation>
            </xsd:annotation>
            <xsd:complexType>
              <xsd:simpleContent>
                <xsd:restriction base="j:TextType">
                  <xsd:enumeration value="sealed"/>
                  <xsd:enumeration value="redacted"/>
                </xsd:restriction>
              </xsd:simpleContent>
            </xsd:complexType>
          </xsd:element>
        </xsd:sequence>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>

```

```

        <xsd:enumeration value="none"/>
      </xsd:restriction>
    </xsd:simpleContent>
  </xsd:complexType>
</xsd:element>
<xsd:element ref="j:Court"/>
<xsd:element ref="j:Case" minOccurs="0"/>
<xsd:element name="CaseInformation" type="CaseInformationType" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation>A set of case-type-specific information for initiating a
case.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="DocumentSubmission" type="DocumentSubmissionType">
  <xsd:annotation>
    <xsd:documentation>A document in a FilingSubmission.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="AttachmentSubmission" type="AttachmentSubmissionType" minOccurs="0"
maxOccurs="unbounded">
  <xsd:annotation>
    <xsd:documentation>An attachment to a FilingSubmission.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="CaseInformationType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of case-type-specific information for initiating a case.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType">
      <xsd:choice minOccurs="0">
        <xsd:element name="AdministrativeLawFiling" type="AdministrativeLawFilingType">
          <xsd:annotation>
            <xsd:documentation>A set of information for initiating an administrative law
case.</xsd:documentation>
          </xsd:annotation>
</xsd:element>
<xsd:element name="AppealsFiling" type="AppealsFilingType">
          <xsd:annotation>
            <xsd:documentation>A set of information for initiating an administrative law
case.</xsd:documentation>
          </xsd:annotation>
</xsd:element>
<xsd:element name="BankruptcyFiling" type="BankruptcyFilingType">
          <xsd:annotation>
            <xsd:documentation>A set of information for initiating a bankruptcy case.</xsd:documentation>
          </xsd:annotation>
</xsd:element>
<xsd:element name="CivilFiling" type="CivilFilingType">
          <xsd:annotation>
            <xsd:documentation>A set of information for initiating a civil case.</xsd:documentation>
          </xsd:annotation>
</xsd:element>
<xsd:element name="CriminalFiling" type="CriminalFilingType">
          <xsd:annotation>
            <xsd:documentation>A set of information for initiating a criminal case.</xsd:documentation>
          </xsd:annotation>
</xsd:element>
<xsd:element name="DomesticRelationsFiling" type="DomesticRelationsFilingType">
          <xsd:annotation>
            <xsd:documentation>A set of information for initiating a domestic relations
case.</xsd:documentation>
          </xsd:annotation>
</xsd:element>
</xsd:choice>
  </xsd:extension>
</xsd:complexContent>
</xsd:complexType>

```

```

<xsd:element name="JuvenileFiling" type="JuvenileFilingType">
  <xsd:annotation>
    <xsd:documentation>A set of information for initiating a juvenile case.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="ProbateFiling" type="ProbateFilingType">
  <xsd:annotation>
    <xsd:documentation>A set of information for initiating a probate case.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="SmallClaimsFiling" type="SmallClaimsFilingType">
  <xsd:annotation>
    <xsd:documentation>A set of information for initiating a small claims case.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="TrafficFiling" type="TrafficFilingType">
  <xsd:annotation>
    <xsd:documentation>A set of information for initiating a traffic case.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:choice>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="AdministrativeLawFilingType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of information for initiating an administrative law
case.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType"/>
  </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="AppealsFilingType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of information for initiating an appeals case.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType"/>
  </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="BankruptcyFilingType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of information for initiating a bankruptcy case.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType"/>
  </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="CivilFilingType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of information for initiating a civil case.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType"/>
  </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="CriminalFilingType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of information for initiating a criminal case.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType">
      <xsd:sequence>
        <xsd:element name="Defendant" type="DefendantType" maxOccurs="unbounded">
          <xsd:annotation>
            <xsd:documentation>Details about a defendant in a criminal case.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>

```

```

</xsd:element>
<xsd:element ref="j:Incident" minOccurs="0" maxOccurs="unbounded">
  <xsd:annotation>
    <xsd:documentation>Details about a criminal or non-criminal activity that oc-
  curred.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="DrivingIncident" type="j:DrivingIncidentType" minOccurs="0" maxOc-
  curs="unbounded">
  <xsd:annotation>
    <xsd:documentation>Details about an incident involving a vehicle, e.g., a traffic accident, speeding,
  reckless driving.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="DefendantType">
  <xsd:annotation>
    <xsd:documentation>A structure for details about a defendant in a criminal case.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType">
      <xsd:sequence>
        <xsd:element ref="j:Subject">
          <xsd:annotation>
            <xsd:documentation>A person who is involved or suspected of being involved in an incident or
          criminal activity. This person may be the focus of an investigation or legal process, but is not necessarily the sole or primary
          focus.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
        <xsd:element ref="j:ProsecutionCharge" maxOccurs="unbounded">
          <xsd:annotation>
            <xsd:documentation>A charge filed by a prosecuting attorney. May be different from or the same as
          the original arrest charge.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
        <xsd:element ref="j:Arrest" minOccurs="0">
          <xsd:annotation>
            <xsd:documentation>Details about the apprehension of a subject by a peace official based on an
          observed or a reported violation of a law or ordinance, an outstanding arrest warrant, or probable cause information.
          </xsd:documentation>
          </xsd:annotation>
        </xsd:element>
        <xsd:element ref="j:Booking" minOccurs="0">
          <xsd:annotation>
            <xsd:documentation>Details about an administrative step taken after an arrested subject is brought
          to a police station or detention facility, which involves entry of the subject's name and other relevant facts on the police
          &quot;blotter&quot;, and which may also include photographing, fingerprinting, and the like. </xsd:documentation>
          </xsd:annotation>
        </xsd:element>
        <xsd:element ref="j:Bail" minOccurs="0">
          <xsd:annotation>
            <xsd:documentation>Details about a commitment made (and possibly secured by cash or property)
          to secure the release of a subject being held in custody and suspected of a crime. Bail is designed to provide some kind of
          guarantee that a subject will reappear to answer the charges in court at some later date.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
        <xsd:element ref="j:Supervision" minOccurs="0">
          <xsd:annotation>
            <xsd:documentation>Details about an act of officially overseeing, supervising, or keeping track in
          some capacity of a person. Supervision may or may not involve incarceration, conditions, and treatment.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>

```

```

</xsd:complexType>
<xsd:complexType name="DomesticRelationsFilingType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of information for initiating a domestic relations case.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType"/>
  </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="JuvenileFilingType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of information for initiating a juvenile case.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType">
      <xsd:sequence>
        <xsd:element name="Defendant" type="DefendantType" maxOccurs="unbounded">
          <xsd:annotation>
            <xsd:documentation>A structure for details about a defendant in a criminal
case.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
        <xsd:element ref="j:Incident" minOccurs="0" maxOccurs="unbounded">
          <xsd:annotation>
            <xsd:documentation>Details about a criminal or non-criminal activity that oc-
curred.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
        <xsd:element ref="j:DrivingIncident" minOccurs="0" maxOccurs="unbounded">
          <xsd:annotation>
            <xsd:documentation>Details about an incident involving a vehicle, e.g., a traffic accident, speeding,
reckless driving.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="ProbateFilingType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of information for initiating a probate case.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType"/>
  </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="SmallClaimsFilingType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of information for initiating a small claims case.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType"/>
  </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="TrafficFilingType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of information for initiating a traffic case.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType"/>
  </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="DocumentSubmissionType">
  <xsd:annotation>
    <xsd:documentation>A structure for a document in a FilingSubmission.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:DocumentDescriptiveMetadataType">

```

```

    <xsd:sequence>
      <xsd:element name="DocumentSubmissionID" type="j:IDType">
        <xsd:annotation>
          <xsd:documentation>An identifier for a document that is unique to a FilingSubmis-
        sion.</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:extension>
</xsd:complexType>
<xsd:complexType name="AttachmentSubmissionType">
  <xsd:annotation>
    <xsd:documentation>A structure for an attachment to a FilingSubmission.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType">
      <xsd:sequence>
        <xsd:element name="DocumentSubmission" type="DocumentSubmissionType">
          <xsd:annotation>
            <xsd:documentation>An identifier for a document that is unique to a FilingSubmis-
          sion.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
<xsd:element name="FilingConfirmations" type="FilingConfirmationsType">
  <xsd:annotation>
    <xsd:documentation>A set of filing confirmations.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:complexType name="FilingConfirmationsType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of filing confirmations.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType">
      <xsd:sequence>
        <xsd:element name="FilingConfirmation" type="FilingConfirmationType" maxOccurs="unbounded">
          <xsd:annotation>
            <xsd:documentation>A filing confirmation including the disposition and docket number of the lead
          document.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="PaymentURI" type="j:IDType" minOccurs="0">
          <xsd:annotation>
            <xsd:documentation>A URI identifying a payment receipt for a filing.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="FilingConfirmationType">
  <xsd:annotation>
    <xsd:documentation>A structure for a filing confirmation including dispositions and docket numbers for the lead
  document and attachments.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SubmissionType">
      <xsd:sequence>
        <xsd:element name="FilingSubmissionID" type="j:IDType">
          <xsd:annotation>
            <xsd:documentation>A unique identifier for a FilingSubmission.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

```

```

<xsd:element name="FilingRightsText" type="j:TextType" minOccurs="0">
  <xsd:annotation>
    <xsd:documentation>Rights held in and over the resource. Rights are the constraints applied to
  assure the protection of privacy or intellectual property, and any special restrictions, limitations or warning on using a shared
  resource. </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="CaseTrackingID" type="j:IDType">
  <xsd:annotation>
    <xsd:documentation>A number used to track a case.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="FilingDisposition" type="FilingDispositionType">
  <xsd:annotation>
    <xsd:documentation>A result or outcome that is the product of processing the filing.
</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="DocumentConfirmation" type="DocumentConfirmationType">
  <xsd:annotation>
    <xsd:documentation>A filing confirmation for a particular document including the docket
  number.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="AttachmentConfirmation" type="AttachmentConfirmationType" minOccurs="0"
maxOccurs="unbounded">
  <xsd:annotation>
    <xsd:documentation>A filing confirmation for a particular attachment including the docket
  number.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="DocumentConfirmationType">
  <xsd:annotation>
    <xsd:documentation>A structure for a filing confirmation for a particular document including the docket num-
  ber.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:DocumentDescriptiveMetadataType">
      <xsd:sequence>
        <xsd:element name="DocumentSubmissionID" type="j:IDType">
          <xsd:annotation>
            <xsd:documentation>An identifier for a document that is unique to a FilingSubmis-
          sion.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="AttachmentConfirmationType">
  <xsd:annotation>
    <xsd:documentation>A structure for a confirmation of receipt of an attachment in a FilingSubmission including the
  disposition and document number of the attachment.</xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="j:SuperType">
      <xsd:sequence>
        <xsd:element name="AttachmentDisposition" type="AttachmentDispositionType">
          <xsd:annotation>
            <xsd:documentation>A disposition of an attachment in a FilingSubmission.</xsd:documentation>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="DocumentConfirmation" type="DocumentConfirmationType">
          <xsd:annotation>

```

```

        <xsd:documentation>A filing confirmation for a particular document including the docket
number.</xsd:documentation>
        </xsd:annotation>
    </xsd:element>
</xsd:sequence>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="FilingDispositionType">
    <xsd:annotation>
        <xsd:documentation>A structure for a disposition of a lead document in a FilingSubmission.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="j:DispositionType">
            <xsd:sequence>
                <xsd:element name="FilingDispositionCode" type="FilingDispositionCodeType">
                    <xsd:annotation>
                        <xsd:documentation>A disposition code for the lead document in a FilingSubmis-
sion.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
                <xsd:element name="FilingError" type="FilingErrorType" minOccurs="0" maxOccurs="unbounded">
                    <xsd:annotation>
                        <xsd:documentation>Errors in a submission or query.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>
<xsd:simpleType name="FilingDispositionCodeType">
    <xsd:annotation>
        <xsd:documentation>A structure for a disposition code for the ead document in a FilingSubmis-
sion.</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="received"/>
        <xsd:enumeration value="accepted"/>
        <xsd:enumeration value="partial"/>
        <xsd:enumeration value="defer"/>
        <xsd:enumeration value="rejected"/>
        <xsd:enumeration value="filed"/>
    </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="AttachmentDispositionType">
    <xsd:annotation>
        <xsd:documentation>A structure for a disposition of an attachment in a FilingSubmission.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="j:DispositionType">
            <xsd:sequence>
                <xsd:element name="AttachmentDispositionCode" type="AttachmentDispositionCodeType">
                    <xsd:annotation>
                        <xsd:documentation>A disposition code for an attachment in a FilingSubmis-
sion.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>
<xsd:simpleType name="AttachmentDispositionCodeType">
    <xsd:annotation>
        <xsd:documentation>A structure for a disposition code for an attachment in a FilingSubmis-
sion.</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="received"/>

```



```
<xsd:enumeration value="accepted"/>
<xsd:enumeration value="rejected"/>
<xsd:enumeration value="filed"/>
</xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="FilingErrorType">
  <xsd:annotation>
    <xsd:documentation>A structure for reporting errors in a submission or query.</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="FilingErrorCode" type="FilingErrorCodeType">
      <xsd:annotation>
        <xsd:documentation>An alphanumeric code for reporting submission or query errors.</xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="FilingErrorText" type="xsd:string">
      <xsd:annotation>
        <xsd:documentation>A text description of an submission or query error.</xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="FilingErrorCodeType">
  <xsd:annotation>
    <xsd:documentation>A structure for an alphanumeric code for reporting submission or query er-
rors.</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string"/>
</xsd:simpleType>
</xsd:schema>
```

APPENDIX B
QUERY/RESPONSE SCHEMA

QUERY/RESPONSE SCHEMA

This appendix includes the QueryResponse.xsd file, which is available at:

<http://oxci.sourceforge.net/xml/QueryResponse/QueryResponse0.9.1.xsd>

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v2004 rel. 3 U (http://www.xmlspy.com) by James Cabral (MTG Management Consultants LLC) -->
<xsd:schema targetNamespace="http://oxci.sourceforge.net/xml/QueryResponse"
xmlns:cf="http://oxci.sourceforge.net/xml/CourtFiling" xmlns="http://oxci.sourceforge.net/xml/QueryResponse"
xmlns:j="http://www.it.ojp.gov/jxdm/3.0" xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
attributeFormDefault="unqualified" version="0.9">
  <xsd:import namespace="http://www.it.ojp.gov/jxdm/3.0" schemaLocation="../../jxdm/3.0/jxdm.xsd"/>
  <xsd:import namespace="http://oxci.sourceforge.net/xml/CourtFiling" schemaLocation="../../CourtFiling/CourtFiling0.9.1.xsd"/>
  <xsd:element name="FilingQueries" type="FilingQueriesType">
    <xsd:annotation>
      <xsd:documentation>A set of queries for filing information from the EFM.</xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:complexType name="FilingQueriesType">
    <xsd:annotation>
      <xsd:documentation>A structure for a set of queries for filing information from the EFM.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
      <xsd:extension base="j:SuperType">
        <xsd:sequence>
          <xsd:element name="PolicyQuery" type="PolicyQueryType" minOccurs="0">
            <xsd:annotation>
              <xsd:documentation>A query for a court's set of policies pertaining to electronic fil-
ing.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
          <xsd:element name="CaseListQuery" type="CaseListQueryType" minOccurs="0" maxOccurs="unbounded">
            <xsd:annotation>
              <xsd:documentation>A query for all cases that match a certain criteria.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
          <xsd:element name="CaseQuery" type="CaseQueryType" minOccurs="0" maxOccurs="unbounded">
            <xsd:annotation>
              <xsd:documentation>A query for information relating to a particular case.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
          <xsd:element name="DocumentQuery" type="DocumentQueryType" minOccurs="0" maxOc-
curs="unbounded">
            <xsd:annotation>
              <xsd:documentation>A query for a specific document in a case.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
        </xsd:sequence>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>
  <xsd:complexType name="FilingQueryType" abstract="true">
    <xsd:annotation>
      <xsd:documentation>A structure for a query for filing information from the EFM.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
      <xsd:extension base="j:SuperType">
        <xsd:sequence>
          <xsd:element name="FilingQueryID" type="j:IDType">
            <xsd:annotation>
              <xsd:documentation>A unique identifier for the query.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
        </xsd:sequence>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>
</xsd:schema>
```

```

        </xsd:element>
        <xsd:element name="CourtID" type="j:IDType">
            <xsd:annotation>
                <xsd:documentation>A unique identifier for the court.</xsd:documentation>
            </xsd:annotation>
        </xsd:element>
    </xsd:sequence>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="PolicyQueryType">
    <xsd:annotation>
        <xsd:documentation>A structure for a query for a court's set of policies pertaining to electronic fil-
ing.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="FilingQueryType"/>
    </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="CaseListQueryType">
    <xsd:annotation>
        <xsd:documentation>A structure for a query for all cases that match a certain criteria.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="FilingQueryType">
            <xsd:sequence>
                <xsd:element name="CaseParticipant" type="j:PersonType" minOccurs="0" maxOccurs="unbounded">
                    <xsd:annotation>
                        <xsd:documentation>Details about a participant involved in a court case</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
                <xsd:element name="CaseClassification" type="j:CaseClassificationType" minOccurs="0">
                    <xsd:annotation>
                        <xsd:documentation>A classification or categorization of a case.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
                <xsd:element name="CaseStatusText" type="j:TextType" minOccurs="0">
                    <xsd:annotation>
                        <xsd:documentation>A status of a case.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
                <xsd:element name="CaseInitiatedDateRange" type="DateRangeType" minOccurs="0">
                    <xsd:annotation>
                        <xsd:documentation>A range of dates to search for all cases initiated between.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="DateRangeType">
    <xsd:annotation>
        <xsd:documentation>A structure for describing an interval between two dates.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="j:SuperType">
            <xsd:sequence>
                <xsd:element name="StartDate" type="xsd:date">
                    <xsd:annotation>
                        <xsd:documentation>The first date in an interval.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
                <xsd:element name="EndDate" type="xsd:date">
                    <xsd:annotation>
                        <xsd:documentation>The last date in an interval.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

```

```

        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="CaseQueryType">
    <xsd:annotation>
        <xsd:documentation>A structure for a query for information relating to a particular case.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="FilingQueryType">
            <xsd:sequence>
                <xsd:element name="CaseTrackingID" type="j:IDType">
                    <xsd:annotation>
                        <xsd:documentation>A number used to track a case.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
                <xsd:element name="CaseSubsetText" type="xsd:string" minOccurs="0" maxOccurs="unbounded">
                    <xsd:annotation>
                        <xsd:documentation>A XPath 1.0 relative location used to select a subset of a
Case.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="DocumentQueryType">
    <xsd:annotation>
        <xsd:documentation>A structure for a query for a specific document or documents in a case.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="FilingQueryType">
            <xsd:sequence>
                <xsd:element name="CaseTrackingID" type="j:IDType">
                    <xsd:annotation>
                        <xsd:documentation>A number used to track a case.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
                <xsd:element name="CaseDocketID" type="j:IDType" maxOccurs="unbounded">
                    <xsd:annotation>
                        <xsd:documentation>A number used to identify a case docket.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>
<xsd:element name="FilingResponses" type="FilingResponsesType">
    <xsd:annotation>
        <xsd:documentation>A set of responses to queries for filing information.</xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:complexType name="FilingResponsesType">
    <xsd:annotation>
        <xsd:documentation>A structure for a set of responses to queries for filing information.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="j:SuperType">
            <xsd:sequence>
                <xsd:element name="PolicyResponse" type="PolicyResponseType" minOccurs="0">
                    <xsd:annotation>
                        <xsd:documentation>A response to a query for a court's set of policies pertaining to electronic
filing.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
                <xsd:element name="CaseListResponse" type="CaseListResponseType" minOccurs="0" maxOc-
curs="unbounded">
                    <xsd:annotation>

```

```

        <xsd:documentation>A response to a query for all cases that match a certain crite-
ria.</xsd:documentation>
        </xsd:annotation>
    </xsd:element>
    <xsd:element name="CaseResponse" type="CaseResponseType" minOccurs="0" maxOc-
curs="unbounded">
        <xsd:annotation>
            <xsd:documentation>A response to a query for all information relating to a particular
case.</xsd:documentation>
        </xsd:annotation>
    </xsd:element>
    <xsd:element name="DocumentResponse" type="DocumentResponseType" minOccurs="0" maxOc-
curs="unbounded">
        <xsd:annotation>
            <xsd:documentation>A response to a query for a specific document in a case.</xsd:documentation>
        </xsd:annotation>
    </xsd:element>
</xsd:sequence>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="FilingResponseType" abstract="true">
    <xsd:annotation>
        <xsd:documentation>A structure for a response to a query for filing information.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="j:SuperType">
            <xsd:sequence>
                <xsd:element name="FilingQueryID" type="j:IDType">
                    <xsd:annotation>
                        <xsd:documentation>A unique identifier for the query that generated this re-
sponse.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
                <xsd:element name="FilingError" type="cf:FilingErrorType" minOccurs="0" maxOccurs="unbounded">
                    <xsd:annotation>
                        <xsd:documentation>Errors in a submission or query.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="PolicyResponseType">
    <xsd:annotation>
        <xsd:documentation>A structure for a response to a query for a court's set of policies pertaining to electronic
filing.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="FilingResponseType">
            <xsd:sequence>
                <xsd:element name="PolicyReferenceURI" type="xsd:anyURI" minOccurs="0">
                    <xsd:annotation>
                        <xsd:documentation>A URI reference to a court policy XML document.</xsd:documentation>
                    </xsd:annotation>
                </xsd:element>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="CaseListResponseType">
    <xsd:annotation>
        <xsd:documentation>A structure for a response to a query for all cases matching certain crite-
ria.</xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="FilingResponseType">
            <xsd:sequence>

```

```

<xsd:element ref="j:Case" minOccurs="0" maxOccurs="unbounded">
  <xsd:annotation>
    <xsd:documentation>An aggregation of information, in any format, that describes a set of related
activities and occurrences. The domain or discipline defines the limits of the information included in a specific kind of case. Case
is not limited to any particular discipline or domain, and can relate a wide range of areas: a situation requiring investigation or
action (as by the police); the object of investigation or consideration; an instance of disease or injury; an instance that directs
attention to a situation or exhibits it in action; a set of circumstances or a state of affairs; a situation; a question or problem; a
matter; an action or a law suit or just grounds for an action; the facts or evidence offered in support of a claim; a set of reasons or
supporting facts; a person being assisted, treated, or studied, as by a physician, lawyer, or social worker.</xsd:documentation>
    </xsd:annotation>
  </xsd:element>
</xsd:sequence>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="CaseResponseType">
  <xsd:annotation>
    <xsd:documentation>A structure for a response to a query for all information relating to a particular
case.</xsd:documentation>
    </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="FilingResponseType">
      <xsd:sequence>
        <xsd:element ref="j:Case" minOccurs="0">
          <xsd:annotation>
            <xsd:documentation>An aggregation of information, in any format, that describes a set of related
activities and occurrences. The domain or discipline defines the limits of the information included in a specific kind of case. Case
is not limited to any particular discipline or domain, and can relate a wide range of areas: a situation requiring investigation or
action (as by the police); the object of investigation or consideration; an instance of disease or injury; an instance that directs
attention to a situation or exhibits it in action; a set of circumstances or a state of affairs; a situation; a question or problem; a
matter; an action or a law suit or just grounds for an action; the facts or evidence offered in support of a claim; a set of reasons or
supporting facts; a person being assisted, treated, or studied, as by a physician, lawyer, or social worker.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
        </xsd:sequence>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>
<xsd:complexType name="DocumentResponseType">
  <xsd:annotation>
    <xsd:documentation>A structure for a response to a query for a specific document in a case.</xsd:documentation>
    </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="FilingResponseType">
      <xsd:sequence>
        <xsd:element name="DocumentSubmission" type="j:DocumentDescriptiveMetadataType" minOccurs="0"
maxOccurs="unbounded">
          <xsd:annotation>
            <xsd:documentation>A document in a FilingSubmission.</xsd:documentation>
            </xsd:annotation>
          </xsd:element>
        </xsd:sequence>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>
</xsd:schema>

```

APPENDIX C
COURT POLICY SCHEMA

COURT POLICY SCHEMA

This appendix includes the CourtPolicy.xsd file, which is available at:

<http://oxci.sourceforge.net/xml/CourtPolicy/CourtPolicy0.9.1.xsd>

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v2004 rel. 3 U (http://www.xmlspy.com) by James Cabral (MTG Management Consultants LLC) -->
<xsd:schema targetNamespace="http://oxci.sourceforge.net/xml/CourtPolicy" xmlns:j="http://www.it.ojp.gov/jxdm/3.0"
xmlns="http://oxci.sourceforge.net/xml/CourtPolicy" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:cf="http://oxci.sourceforge.net/xml/CourtFiling" elementFormDefault="qualified" attributeFormDefault="unqualified"
version="0.7">
  <xsd:import namespace="http://www.it.ojp.gov/jxdm/3.0" schemaLocation="../../jxdm/3.0/jxdm.xsd"/>
  <xsd:import namespace="http://oxci.sourceforge.net/xml/CourtFiling" schemaLocation="../../CourtFiling/CourtFiling0.7.xsd"/>
  <xsd:element name="CourtPolicy" type="CourtPolicyType">
    <xsd:annotation>
      <xsd:documentation>A set of court-specific information, rules, policies and types.</xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:complexType name="CourtPolicyType">
    <xsd:annotation>
      <xsd:documentation>A structure for a set of court-specific information, rules, policies and
types.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element ref="j:Court">
        <xsd:annotation>
          <xsd:documentation>Details about a court or a unit of a court responsible for trying justice proceed-
ings.</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="Rules" type="RulesType">
        <xsd:annotation>
          <xsd:documentation>A set of rules regarding which filings the court can accept.</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="Policies" type="PoliciesType" minOccurs="0">
        <xsd:annotation>
          <xsd:documentation>A set of policies regarding court operations.</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="LocalExtensions" type="LocalExtensionsType" minOccurs="0">
        <xsd:annotation>
          <xsd:documentation>A set of schema extensions that support local elements and code ta-
bles.</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="ValidatorURI" type="xsd:anyURI" minOccurs="0">
        <xsd:annotation>
          <xsd:documentation>A URI for an XSL file that validates filings for conformance with specification
requirements that are not defined in schema.</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="RulesType">
    <xsd:annotation>
      <xsd:documentation>A structure for a set of rules regarding which filings the court can accept.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="AcceptDocumentURLIndicator" type="xsd:boolean">
        <xsd:annotation>
          <xsd:documentation>Indicate whether the court accepts a URL as a document.</xsd:documentation>
        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
</xsd:schema>
```

```

    </xsd:element>
    <xsd:element name="AcceptDocumentsRequiringFeeIndicator" type="xsd:boolean">
      <xsd:annotation>
        <xsd:documentation>Indicate whether the court accepts documents requiring fee pay-
ments.</xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="AcceptSealedDocumentsIndicator" type="xsd:boolean">
      <xsd:annotation>
        <xsd:documentation>Indicate whether the court accepts sealed documents.</xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="AcceptMultipleFilingsIndicator" type="xsd:boolean">
      <xsd:annotation>
        <xsd:documentation>Indicate whether the court restricts electronic filing to one filing per enve-
lope.</xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="LegalEnvelopeMaximumSize" type="xsd:int" minOccurs="0">
      <xsd:annotation>
        <xsd:documentation>Indicate whether the court has set a maximum size for the court filing enve-
lope.</xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
  <xsd:attribute name="id" type="xsd:ID"/>
</xsd:complexType>
<xsd:complexType name="PoliciesType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of policies regarding court operations.</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="Policy" type="PolicyType" maxOccurs="unbounded">
      <xsd:annotation>
        <xsd:documentation>A policy describing an aspect of court operations.</xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="PolicyType">
  <xsd:annotation>
    <xsd:documentation>A structure for a policy describing an aspect of court operations.</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="PolicyID" type="xsd:ID">
      <xsd:annotation>
        <xsd:documentation>A unique identifier for the policy.</xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="NameText" type="xsd:string">
      <xsd:annotation>
        <xsd:documentation>A name for the policy.</xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="DescriptionText" type="xsd:string">
      <xsd:annotation>
        <xsd:documentation>A description of court policies and/or procedures.</xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
  <xsd:attribute name="id" type="xsd:ID"/>
</xsd:complexType>
<xsd:complexType name="LocalExtensionsType">
  <xsd:annotation>
    <xsd:documentation>A structure for a set of schema extensions that support local elements and code ta-
bles.</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>

```

```
<xsd:element name="LocalExtensionSchemaURI" type="xsd:anyURI">
  <xsd:annotation>
    <xsd:documentation>A URI for a schema that defines local elements and code tables.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="LocalExtension" type="LocalExtensionType" maxOccurs="unbounded">
  <xsd:annotation>
    <xsd:documentation>A local extension that supports local elements and/or code ta-
bles.</xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="LocalExtensionType">
  <xsd:annotation>
    <xsd:documentation>A structure for a local extension that supports local elements and/or code ta-
bles.</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="CourtFilingElementPath" type="xsd:string">
      <xsd:annotation>
        <xsd:documentation>An XPath reference to an element in the Court Filing schema to be ex-
tended.</xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="LocalTypeName" type="xsd:string">
      <xsd:annotation>
        <xsd:documentation>An XPath reference to a local type to be substituted for an element in the Court Filing
schema.</xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
</xsd:schema>
```

APPENDIX D
PAYMENT SCHEMA

PAYMENT SCHEMA

This appendix includes the Payment.xsd file, which is available at:

<http://oxci.sourceforge.net/xml/Payment/Payment0.4.xsd>

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v2004 rel. 3 U (http://www.xmlspy.com) by James Cabral (MTG Management Consultants LLC) -->
<xsd:schema targetNamespace="http://oxci.sourceforge.net/xml/Payment" xmlns="http://oxci.sourceforge.net/xml/Payment"
xmlns:cat="urn:oasis:names:specification:ubl:schema:xsd:CommonAggregateComponents-1.0"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified"
version="0.1">
  <xsd:import namespace="urn:oasis:names:specification:ubl:schema:xsd:CommonAggregateComponents-1.0"
schemaLocation="http://docs.oasis-open.org/ubl/cd-UBL-1.0/xsd/common/UBL-CommonAggregateComponents-1.0.xsd"/>
  <xsd:complexType name="PaymentRequestType">
    <xsd:annotation>
      <xsd:documentation>A structure for information directly relating to the means of payment.</xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="PayerParty" type="cat:PartyType"/>
      <xsd:element name="PaymentMeans" type="cat:PaymentMeansType"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:element name="PaymentRequest" type="PaymentRequestType">
    <xsd:annotation>
      <xsd:documentation>Information directly relating to the means of payment.</xsd:documentation>
    </xsd:annotation>
  </xsd:element>
  <xsd:element name="Payment" type="cat:PaymentType">
    <xsd:annotation>
      <xsd:documentation>Information directly relating to a specific payment.</xsd:documentation>
    </xsd:annotation>
  </xsd:element>
</xsd:schema>
```

APPENDIX E
EXAMPLES

EXAMPLES

A. FILING SUBMISSIONS EXAMPLE

This is an example of a filing compliant with the CourtFiling.xsd schema. This example is available at:

<http://oxci.sourceforge.net/xml/examples/FilingSubmissions.xml>

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v2004 rel. 3 U (http://www.xmlspy.com) by James Cabral (MTG Management Consultants LLC) -->
<FilingSubmissions xmlns="http://oxci.sourceforge.net/xml/CourtFiling" xmlns:j="http://www.it.ojp.gov/jxdm/3.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:local="http://oxci.sourceforge.net/xml/examples"
xsi:schemaLocation="http://oxci.sourceforge.net/xml/CourtFiling
../CourtFiling/CourtFiling0.9.1.xsd http://oxci.sourceforge.net/xml/examples LocalTypes.xsd">
  <FilingSubmission>
    <j:SubmissionSubmittedDate>2004-02-01</j:SubmissionSubmittedDate>
    <j:SubmissionSubmittedTime>12:00:00-08:00</j:SubmissionSubmittedTime>
    <j:SubmissionReceiver.Organization>
      <j:OrganizationName>County Superior Court</j:OrganizationName>
    </j:SubmissionReceiver.Organization>
    <FilingSubmissionID>
      <j:ID>Filing1</j:ID>
    </FilingSubmissionID>
    <FilingRightsText>sealed</FilingRightsText>
    <j:Court>
      <j:OrganizationID>
        <j:ID>Court1</j:ID>
      </j:OrganizationID>
      <j:PrimaryContactInformation>
        <j:ContactEmailID>
          <j:ID>info@county.co.state.us</j:ID>
        </j:ContactEmailID>
      </j:PrimaryContactInformation>
      <j:CourtName>County Superior Court</j:CourtName>
      <j:CourtTypeCode>CRI</j:CourtTypeCode>
    </j:Court>
    <j:Case>
      <j:CaseParticipants>
        <j:CaseDefendantPartyReference.Person j:ref="Subject1"/>
        <j:CaseProsecutionAttorney>
          <j:PersonName>
            <j:PersonPrefixName>Mr.</j:PersonPrefixName>
            <j:PersonGivenName>Joe</j:PersonGivenName>
            <j:PersonMiddleName>Q</j:PersonMiddleName>
            <j:PersonSurName>Lawyer</j:PersonSurName>
            <j:PersonSuffixName>Jr.</j:PersonSuffixName>
          </j:PersonName>
          <j:JudicialOfficialBarMembership>
            <j:JudicialOfficialBarID>
              <j:ID>12345</j:ID>
            </j:JudicialOfficialBarID>
          </j:JudicialOfficialBarMembership>
        </j:CaseProsecutionAttorney>
      </j:CaseParticipants>
    </j:Case>
    <CaseInformation>
      <CriminalFiling>
        <Defendant>
          <j:Subject j:id="Subject1">
            <j:PersonName>
              <j:PersonPrefixName>Mr.</j:PersonPrefixName>
              <j:PersonGivenName>John</j:PersonGivenName>
              <j:PersonMiddleName>Q</j:PersonMiddleName>
            </j:PersonName>
          </j:Subject>
        </j:Defendant>
      </j:CriminalFiling>
    </j:CaseInformation>
  </FilingSubmission>
</FilingSubmissions>
```

```
<j:PersonSurName>Doe</j:PersonSurName>
<j:PersonSuffixName>Jr.</j:PersonSuffixName>
</j:PersonName>
<j:Residence>
  <j:LocationAddress xsi:type="local:AddressType">
    <j:LocationStreet>
      <j:StreetFullText>200 Main Street</j:StreetFullText>
    </j:LocationStreet>
    <j:LocationCityName>City</j:LocationCityName>
    <j:LocationStateCode.USPostalService>WA</j:LocationStateCode.USPostalService>
    <j:LocationPostalCodeID>
      <j:ID>99999</j:ID>
    </j:LocationPostalCodeID>
  </j:LocationAddress>
</j:Residence>
<j:PersonAssignedIDDetails>
  <j:PersonStateID>
    <j:ID>StateID100</j:ID>
  </j:PersonStateID>
</j:PersonAssignedIDDetails>
</j:Subject>
<j:ProsecutionCharge j:id="Charge1">
  <j:ChargeSubjectReference j:ref="Subject1"/>
</j:ProsecutionCharge>
</Defendant>
</CriminalFiling>
</CaseInformation>
<DocumentSubmission>
  <j:DocumentTitleText>Criminal complaint</j:DocumentTitleText>
  <j:DocumentDescriptionText>Assault charges</j:DocumentDescriptionText>
  <j:DocumentCreationDate>2004-02-01</j:DocumentCreationDate>
  <j:DocumentLocationURI>
    <j:ID>cid://Payload1</j:ID>
  </j:DocumentLocationURI>
  <j:DocumentRightsText>sealed</j:DocumentRightsText>
  <DocumentSubmissionID>
    <j:ID>Document1</j:ID>
  </DocumentSubmissionID>
</DocumentSubmission>
</FilingSubmission>
<PaymentRequestURI>
  <j:ID>cid://Payload2</j:ID>
</PaymentRequestURI>
</FilingSubmissions>
```


B. FILING CONFIRMATIONS EXAMPLE

This is an example of a confirmation of the above filing. This example is available at:

<http://oxci.sourceforge.net/xml/examples/FilingConfirmations.xml>

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v2004 rel. 3 U (http://www.xmlspy.com) by James Cabral (MTG Management Consultants LLC) -->
<FilingConfirmations xmlns="http://oxci.sourceforge.net/xml/CourtFiling" xmlns:j="http://www.it.ojp.gov/jxdm/3.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://oxci.sourceforge.net/xml/CourtFiling
../CourtFiling/CourtFiling0.9.1.xsd">
  <FilingConfirmation>
    <j:SubmissionSubmittedDate>2004-02-01</j:SubmissionSubmittedDate>
    <j:SubmissionSubmittedTime>12:00:00-08:00</j:SubmissionSubmittedTime>
    <j:SubmissionReceiver.Organization>
      <j:OrganizationName>County Superior Court</j:OrganizationName>
    </j:SubmissionReceiver.Organization>
    <j:SubmissionReceivedDate>2004-02-01</j:SubmissionReceivedDate>
    <j:SubmissionReceivedTime>12:01:00-08:00</j:SubmissionReceivedTime>
    <FilingSubmissionID>
      <j:ID>Filing1</j:ID>
    </FilingSubmissionID>
    <FilingRightsText>sealed</FilingRightsText>
    <CaseTrackingID>
      <j:ID>Case100</j:ID>
    </CaseTrackingID>
    <FilingDisposition>
      <j:DispositionText>Filing accepted upon clerk review.</j:DispositionText>
      <j:DispositionDate>2004-02-01</j:DispositionDate>
      <FilingDispositionCode>accepted</FilingDispositionCode>
    </FilingDisposition>
    <DocumentConfirmation>
      <j:DocumentID>
        <j:ID>Docket100</j:ID>
      </j:DocumentID>
      <j:DocumentRightsText>sealed</j:DocumentRightsText>
      <DocumentSubmissionID>
        <j:ID>Document1</j:ID>
      </DocumentSubmissionID>
    </DocumentConfirmation>
  </FilingConfirmation>
  <PaymentURI>
    <j:ID>cid://Payload1</j:ID>
  </PaymentURI>
</FilingConfirmations>
```

C. PAYMENT REQUEST EXAMPLE

This is an example of a payment request compliant with the PaymentRequest.xsd schema. This example is available at:

<http://oxci.sourceforge.net/xml/examples/PaymentRequest.xml>

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v2004 rel. 3 U (http://www.xmlspy.com) by James Cabral (MTG Management Consultants LLC) -->
<!-- Sample XML file generated by XMLSPY v2004 rel. 3 U (http://www.xmlspy.com)-->
<PaymentRequest xmlns="http://oxci.sourceforge.net/xml/Payment"
xmlns:cat="urn:oasis:names:specification:ubl:schema:xsd:CommonAggregateComponents-1.0"
xmlns:cbc="urn:oasis:names:specification:ubl:schema:xsd:CommonBasicComponents-1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://oxci.sourceforge.net/xml/Payment
../Payment/Payment0.4.xsd">
  <PayerParty>
    <cat:Address>
      <cbc:CityName>Olympia</cbc:CityName>
      <cbc:PostalZone>99999</cbc:PostalZone>
      <cbc:Region>WA</cbc:Region>
      <cat:AddressLine>
        <cbc:Line>100 Main Street</cbc:Line>
      </cat:AddressLine>
      <cat:Country>
        <cat:IdentificationCode>US</cat:IdentificationCode>
      </cat:Country>
    </cat:Address>
    <cat:Contact>
      <cbc:Telephone>5555551212</cbc:Telephone>
      <cbc:Telefax>5555551212</cbc:Telefax>
      <cbc:ElectronicMail>john@doe.com</cbc:ElectronicMail>
    </cat:Contact>
  </PayerParty>
  <PaymentMeans>
    <cat:PaymentMeansCode>1</cat:PaymentMeansCode>
    <cat:CardAccount>
      <cat:PrimaryAccountNumberID>999999999999</cat:PrimaryAccountNumberID>
      <cat:NetworkID>VISA</cat:NetworkID>
      <cat:CardTypeCode>VI</cat:CardTypeCode>
      <cbc:ExpiryDate>2004-01-05</cbc:ExpiryDate>
      <cbc:HolderName>John Doe</cbc:HolderName>
    </cat:CardAccount>
    <cat:Payment>
      <cbc:PaidAmount amountCurrencyID="USD">15.00</cbc:PaidAmount>
    </cat:Payment>
  </PaymentMeans>
</PaymentRequest>
```

D. PAYMENT EXAMPLE

This is an example of a payment resulting from the above payment request. This example is available at:

<http://oxci.sourceforge.net/xml/examples/Payment.xml>

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v2004 rel. 3 U (http://www.xmlspy.com) by James Cabral (MTG Management Consultants LLC) -->
<Payment xmlns="http://oxci.sourceforge.net/xml/Payment"
xmlns:cat="urn:oasis:names:specification:ubl:schema:xsd:CommonAggregateComponents-1.0"
```

```
xmlns:cbc="urn:oasis:names:specification:ubl:schema:xsd:CommonBasicComponents-1.0"  
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://oxci.sourceforge.net/xml/Payment  
../Payment/Payment0.4.xsd">  
  <cat:ID>99999</cat:ID>  
  <cbc:PaidAmount amountCurrencyID="USD">15.00</cbc:PaidAmount>  
  <cbc:ReceivedDate>2004-02-01</cbc:ReceivedDate>  
</Payment>
```

E. FILING QUERIES EXAMPLE

This is an example of a set of queries compliant with the QueryResponse.xsd schema. This example is available at:

<http://oxci.sourceforge.net/xml/examples/FilingQueries.xml>

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v2004 rel. 3 U (http://www.xmlspy.com) by James Cabral (MTG Management Consultants LLC) -->
<FilingQueries xmlns="http://oxci.sourceforge.net/xml/QueryResponse" xmlns:cf="http://oxci.sourceforge.net/xml/CourtFiling"
xmlns:j="http://www.it.ojp.gov/jxdm/3.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://oxci.sourceforge.net/xml/QueryResponse ../QueryResponse/QueryResponse0.9.1.xsd">
  <PolicyQuery>
    <FilingQueryID>
      <j:ID>Query1</j:ID>
    </FilingQueryID>
    <CourtID>
      <j:ID>Court1</j:ID>
    </CourtID>
  </PolicyQuery>
  <CaseListQuery>
    <FilingQueryID>
      <j:ID>Query2</j:ID>
    </FilingQueryID>
    <CourtID>
      <j:ID>Court1</j:ID>
    </CourtID>
    <CaseParticipant>
      <j:PersonName>
        <j:PersonGivenName>John</j:PersonGivenName>
        <j:PersonSurName>Doe</j:PersonSurName>
      </j:PersonName>
    </CaseParticipant>
  </CaseListQuery>
  <CaseQuery>
    <FilingQueryID>
      <j:ID>Query3</j:ID>
    </FilingQueryID>
    <CourtID>
      <j:ID>Court1</j:ID>
    </CourtID>
    <CaseTrackingID>
      <j:ID>Case100</j:ID>
    </CaseTrackingID>
    <CaseSubsetText>/CaseParticipants</CaseSubsetText>
  </CaseQuery>
  <DocumentQuery>
    <FilingQueryID>
      <j:ID>Query4</j:ID>
    </FilingQueryID>
    <CourtID>
      <j:ID>Court1</j:ID>
    </CourtID>
    <CaseTrackingID>
      <j:ID>Case100</j:ID>
    </CaseTrackingID>
    <CaseDocketID>
      <j:ID>Docket100</j:ID>
    </CaseDocketID>
  </DocumentQuery>
</FilingQueries>
```

F. FILING RESPONSES EXAMPLE

This is an example of a set of responses to the above queries. This example is available at:

<http://oxci.sourceforge.net/xml/examples/FilingResponses.xml>

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v2004 rel. 3 U (http://www.xmlspy.com) by James Cabral (MTG Management Consultants LLC) -->
<FilingResponses xmlns="http://oxci.sourceforge.net/xml/QueryResponse" xmlns:cf="http://oxci.sourceforge.net/xml/CourtFiling"
xmlns:j="http://www.it.ojp.gov/jxdm/3.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://oxci.sourceforge.net/xml/QueryResponse ../QueryResponse/QueryResponse0.9.1.xsd">
  <PolicyResponse>
    <FilingQueryID>
      <j:ID>Query1</j:ID>
    </FilingQueryID>
    <PolicyReferenceURI>http://oxci.sourceforge.net/xml/examples/Policy.xml</PolicyReferenceURI>
  </PolicyResponse>
  <CaseListReponse>
    <FilingQueryID>
      <j:ID>Query2</j:ID>
    </FilingQueryID>
    <j:Case>
      <j:CaseTrackingID>
        <j:ID>Case100</j:ID>
      </j:CaseTrackingID>
      <j:CaseParticipants>
        <j:CaseDefendantParty.Person>
          <j:PersonName>
            <j:PersonPrefixName>Mr.</j:PersonPrefixName>
            <j:PersonGivenName>John</j:PersonGivenName>
            <j:PersonMiddleName>Q</j:PersonMiddleName>
            <j:PersonSurName>Doe</j:PersonSurName>
            <j:PersonSuffixName>Jr.</j:PersonSuffixName>
          </j:PersonName>
        </j:CaseDefendantParty.Person>
      </j:CaseParticipants>
      <j:CaseStatus>
        <j:StatusText>Pre-trial</j:StatusText>
      </j:CaseStatus>
    </j:Case>
    <j:Case>
      <j:CaseTrackingID>
        <j:ID>Case90</j:ID>
      </j:CaseTrackingID>
      <j:CaseParticipants>
        <j:CaseDefendantParty.Person>
          <j:PersonName>
            <j:PersonPrefixName>Mr.</j:PersonPrefixName>
            <j:PersonGivenName>John</j:PersonGivenName>
            <j:PersonMiddleName>R</j:PersonMiddleName>
            <j:PersonSurName>Doe</j:PersonSurName>
            <j:PersonSuffixName/>
          </j:PersonName>
        </j:CaseDefendantParty.Person>
      </j:CaseParticipants>
      <j:CaseStatus>
        <j:StatusText>Trial</j:StatusText>
      </j:CaseStatus>
    </j:Case>
    <j:Case>
      <j:CaseTrackingID>
        <j:ID>Case80</j:ID>
      </j:CaseTrackingID>
      <j:CaseParticipants>
        <j:CaseDefendantParty.Person>
          <j:PersonName>
```

```
<j:PersonPrefixName>Mr.</j:PersonPrefixName>
<j:PersonGivenName>John</j:PersonGivenName>
<j:PersonMiddleName>S</j:PersonMiddleName>
<j:PersonSurName>Doe</j:PersonSurName>
<j:PersonSuffixName/>
</j:PersonName>
</j:CaseDefendantParty.Person>
</j:CaseParticipants>
<j:CaseStatus>
  <j:StatusText>Closed</j:StatusText>
</j:CaseStatus>
</j:Case>
</CaseListReponse>
<CaseResponse>
  <FilingQueryID>
    <j:ID>Query3</j:ID>
  </FilingQueryID>
  <j:Case>
    <j:CaseTrackingID>
      <j:ID>Case100</j:ID>
    </j:CaseTrackingID>
    <j:CaseParticipants>
      <j:CaseDefendantParty.Person>
        <j:PersonName>
          <j:PersonPrefixName>Mr.</j:PersonPrefixName>
          <j:PersonGivenName>John</j:PersonGivenName>
          <j:PersonMiddleName>Q</j:PersonMiddleName>
          <j:PersonSurName>Doe</j:PersonSurName>
          <j:PersonSuffixName>Jr.</j:PersonSuffixName>
        </j:PersonName>
      </j:CaseDefendantParty.Person>
      <j:CaseProsecutionAttorney>
        <j:PersonName>
          <j:PersonPrefixName>Mr.</j:PersonPrefixName>
          <j:PersonGivenName>Joe</j:PersonGivenName>
          <j:PersonMiddleName>Q</j:PersonMiddleName>
          <j:PersonSurName>Lawyer</j:PersonSurName>
          <j:PersonSuffixName>Jr.</j:PersonSuffixName>
        </j:PersonName>
        <j:JudicialOfficialBarMembership>
          <j:JudicialOfficialBarID>
            <j:ID>12345</j:ID>
          </j:JudicialOfficialBarID>
        </j:JudicialOfficialBarMembership>
      </j:CaseProsecutionAttorney>
    </j:CaseParticipants>
    <j:CaseStatus>
      <j:StatusText>Pre-trial</j:StatusText>
    </j:CaseStatus>
  </j:Case>
</CaseResponse>
<DocumentResponse>
  <FilingQueryID>
    <j:ID>Query4</j:ID>
  </FilingQueryID>
  <DocumentSubmission>
    <j:DocumentTitleText>Criminal complaint</j:DocumentTitleText>
    <j:DocumentDescriptionText>Assault charges</j:DocumentDescriptionText>
    <j:DocumentCreationDate>2004-02-01</j:DocumentCreationDate>
    <j:DocumentLocationURI>
      <j:ID>cid://Payload1</j:ID>
    </j:DocumentLocationURI>
  </DocumentSubmission>
</DocumentResponse>
</FilingResponses>
```

G. COURT POLICY EXAMPLE

This is an example of a court policy compliant with the CourtPolicy.xsd schema. This example is available at:

<http://oxci.sourceforge.net/xml/examples/Policy.xml>

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v2004 rel. 3 U (http://www.xmlspy.com) by James Cabral (MTG Management Consultants LLC) -->
<cp:CourtPolicy xmlns:cp="http://oxci.sourceforge.net/xml/CourtPolicy" xmlns:j="http://www.it.ojp.gov/jxdm/3.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://oxci.sourceforge.net/xml/CourtPolicy
../CourtPolicy/CourtPolicy0.9.1.xsd">
  <j:Court>
    <j:OrganizationID>
      <j:ID>Court1</j:ID>
    </j:OrganizationID>
    <j:PrimaryContactInformation>
      <j>ContactTelephoneNumber>
        <j:TelephoneNumberFullID>555 555-1212</j:TelephoneNumberFullID>
      </j>ContactTelephoneNumber>
      <j>ContactFacsimileNumber>
        <j:TelephoneNumberFullID>555 555-1212</j:TelephoneNumberFullID>
      </j>ContactFacsimileNumber>
      <j>ContactEmailID>
        <j:ID>info@county.co.state.us</j:ID>
      </j>ContactEmailID>
      <j>ContactWebsiteID>
        <j:ID>http://courts.county.co.state.us</j:ID>
      </j>ContactWebsiteID>
      <j>ContactMailingAddress>
        <j:LocationStreet>
          <j:StreetFullText>100 Main Street</j:StreetFullText>
        </j:LocationStreet>
        <j:LocationCityName>City</j:LocationCityName>
        <j:LocationStateCode.USPostalService>WA</j:LocationStateCode.USPostalService>
        <j:LocationPostalCodeID>
          <j:ID>99999</j:ID>
        </j:LocationPostalCodeID>
      </j>ContactMailingAddress>
    </j:PrimaryContactInformation>
    <j:CourtName>County Superior Court</j:CourtName>
    <j:CourtTypeCode>CRI</j:CourtTypeCode>
  </j:Court>
  <cp:Rules>
    <cp:AcceptDocumentURLIndicator>true</cp:AcceptDocumentURLIndicator>
    <cp:AcceptDocumentsRequiringFeeIndicator>true</cp:AcceptDocumentsRequiringFeeIndicator>
    <cp:AcceptSealedDocumentsIndicator>true</cp:AcceptSealedDocumentsIndicator>
    <cp:AcceptMultipleFilingsIndicator>true</cp:AcceptMultipleFilingsIndicator>
  </cp:Rules>
  <cp:Policies>
    <cp:Policy>
      <cp:PolicyID>PRA00022</cp:PolicyID>
      <cp:NameText>Corrupt Filings</cp:NameText>
      <cp:DescriptionText>Filings with corrupt lead documents will be rejected. Non-corrupt filings with corrupt
attachments will be accepted, but the corrupt attachments will be rejected.</cp:DescriptionText>
    </cp:Policy>
  </cp:Policies>
  <cp:LocalExtensions>
    <cp:LocalExtensionSchemaURI>http://oxci.sourceforge.net/xml/examples/LocalTypes.xsd</cp:LocalExtensionSchemaURI>
    <cp:LocalExtension>
      <cp:CourtFilingElementPath/>
      <cp:LocalTypeName/>
    </cp:LocalExtension>
  </cp:LocalExtensions>
</cp:CourtPolicy>

```

```
</cp:LocalExtensions>  
<cp:ValidatorURI>http://oxci.sourceforge.net/xml/examples/Validator.xsl</cp:ValidatorURI>  
</cp:CourtPolicy>
```


H. LOCAL TYPES SCHEMA DEFINITION EXAMPLE

This is an example of a local schema of types derived from the CourtFiling.xsd schema. This example is available at:

<http://oxci.sourceforge.net/xml/examples/LocalTypes.xsd>

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v2004 rel. 3 U (http://www.xmlspy.com) by James Cabral (MTG Management Consultants LLC) -->
<xsd:schema targetNamespace="http://oxci.sourceforge.net/xml/examples" xmlns="http://oxci.sourceforge.net/xml/examples"
xmlns:cf="http://oxci.sourceforge.net/xml/CourtFiling" xmlns:j="http://www.it.ojp.gov/jxdm/3.0"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified"
version="0.1">
  <xsd:import namespace="http://www.it.ojp.gov/jxdm/3.0" schemaLocation="../../jxdm/3.0/jxdm.xsd"/>
  <xsd:import namespace="http://oxci.sourceforge.net/xml/CourtFiling" schemaLocation="../../CourtFiling/CourtFiling0.9.1.xsd"/>
  <xsd:complexType name="AddressType">
    <xsd:complexContent>
      <xsd:extension base="j:AddressType">
        <xsd:sequence/>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>
</xsd:schema>
```

APPENDIX F
LEGALXML COURT FILING 1.1 ELEMENT MAP

LEGALXML COURT FILING 1.1 ELEMENT MAP

Status E = Existing A = Added	OXCI Court Filing (ebXML/GJXDM/UBL)	Court Filing 1.1	Min Occur	Max Occur	Definition
eb:MessageHeader					
E	From	from	1	1	The party that originated the message.
E	From/PartyId	sender	1	1	A string that identifies the party. A URI is recommended.
E	To	to	1	1	The party that is the intended recipient of the message.
E	To/PartyId	addressee	1	unbounded	A string that identifies the party. A URI is recommended.
E	From/Role				A string that identifies the authorized roles of the party. A URI is recommended.
E	To/Role				A string that identifies the authorized roles of the party. A URI is recommended.
E	CPAId				A string that identifies the parameters governing the messages between the parties. A URI is recommended. The recipient must be able to resolve the CPAId to an individual set of parameters, taking into account the sender of the message.
E	ConversationID				A string that identifies the set of related messages that make up a conversation between two Parties.
E	Service				The service that acts on the message. URI
E	Action				A process within a service that processes the message.
E	DuplicateElimination				Identifies a request by the sender for the receiving MSH to check for duplicate messages.
E	Message-Data/ReftoMessageId				The MessageId of an earlier ebXML Message to which this message relates.
E	MessageData/TimeLive				The time, in UTC, by which the message should be delivered to the To Party MSH.
E	MessageData/ MessageId	messageIdentification	1	1	A globally unique identifier for each message conforming to MessageId (RFC2822)
E	MessageData/ TimeStamp	creation	1	1	The time the message header was created, in UTC.
E	Description	memo (legalEnvelope)	0	unbounded	A human readable description of the purpose or intent of the message.
		legalEnvelope	1	1	UNNECESSARY
		legal	1	1	UNNECESSARY
		@version	0	1	UNNECESSARY
		courtFiling	1	1	UNNECESSARY

ds:Signature					
E	DigestValue	dataIntegrity	0	1	The digital signature of the ebXML Message as signed by the From Party MSH.
E	SignatureValue	authentication	0	1	The digital signature of the ebXML Message as signed by the From Party MSH.
j:Address					
E	AddressFullText	addressFull	0	1	A complete address to be used when the address components cannot be broken down into the JXDD components.
E	LocationCityName	city	0	1	A name of a city or town.
E	LocationCountryName	country	0	1	A name of a country.
E	LocationCountyName	county	0	1	A name of a county, parish, or vicinage.
E	LocationPostalCodeID	postalCode	0	1	A zip code or postal code
E	LocationStateCode	state	0	1	A code identifying a state.
E	LocationSecondaryUnitText	apartmentNumber	1	1	A piece of information used to identify a particular unit within a specific location. Examples of this could be an apartment number or a suite number.
E	LocationBuilding/ BuildingName	buildingName	1	1	A name of a building, e.g., “Electronic Research Building”
E	AddressMailDeliveryUnit- Text	postOfficeBox	1	1	A complete Post Office box number or other mail delivery point for a location, e.g., “PO BOX 12345”
E	AddressMailDeliveryUnit- Text	privateMailBox	1	1	A complete Post Office box number or other mail delivery point for a location, e.g., “PO BOX 12345”
E	LocationStreet/ StreetFull- Text	addressLine	0	unbounded	A complete street reference, e.g., “123 Main Street NW”.
E	LocationStreet/ StreetPredi- rectionalText	streetDirection	1	1	A direction that appears before a street name.
E	LocationStreet/ StreetName	streetName	1	1	A name of a street.
E	LocationStreet/ StreetNum- berText	streetNumber	1	1	A number that identifies a particular unit or location within a street.
E	LocationStreet/ Street- TypeText	streetType	1	1	A type of street, e.g., Street, Boulevard, Avenue, Highway, etc.
E	LocationSecondaryUnitText	suite	1	1	A piece of information used to identify a particular unit within a specific location. Examples of this could be an apartment number or a suite number.
j:Arrest					
E	ArrestCharge	@chargeID	1	1	A formal allegation of a violation of a statute and/or ordinance in association with an arrest.

j:Bail					
E	Bail	bail	0	1	Details about a commitment made (and possibly secured by cash or property) to secure the release of a subject being held in custody and suspected of a crime. Bail is designed to provide some kind of guarantee that a subject will reappear to answer the charges in court at some later date.
E	BailPostedBond	@type (bail)	0	1	A bond that was posted for bail.
E	BailPostedAmount	paymentInformation (bail)	1	1	An amount of bail paid.
j:Booking					
E	Booking	booking	0	1	Details about an administrative step taken after an arrested subject is brought to a police station or detention facility, which involves entry of the subject's name and other relevant facts on the police "blotter", and which may also include photographing, fingerprinting, and the like.
E	Booking/ BookingAgencyRecordID	@agencyID	1	1	An organization which processes a booking.
E	ActivityDate	@referenceDate	1	1	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.
j:Case					
E	Case	caseInformation	1	1	An aggregation of information, in any format, that describes a set of related activities and occurrences. The domain or discipline defines the limits of the information included in a specific kind of case. Case is not limited to any particular discipline or domain, and can relate a wide range of areas: a situation requiring investigation or action (as by the police); the object of investigation or consideration; an instance of disease or injury; an instance that directs attention to a situation or exhibits it in action; a set of circumstances or a state of affairs; a situation; a question or problem; a matter; an action or a law suit or just grounds for an action; the facts or evidence offered in support of a claim; a set of reasons or supporting facts; a person being assisted, treated, or studied, as by a physician, lawyer, or social worker.
E	CaseTrackingID	@id (caseInformation)	0	1	A number used to track a case.
E	CaseTrackingID	@newcase	0	1	A number used to track a case.
E	CaseParticipantsReference	@reference	0	1	A reference to details about the participants involved in a court case

E	CourtEvent	courtEvent	0	unbounded	Details about a court occurrence. An event generally refers to an appearance (Appearance, Arraignment, Findings, Sentencing, etc.) but may include clerical events such as filing an affidavit or cash register events.
E	CaseClassification	caseCategory	0	1	A classification or categorization of a case.
E	CaseTitleText	caseTitle	0	1	An official name of a case.
E	CaseYearDate	caseYear	0	1	A year a case is tried.
E	CaseOtherID	filersCaseNumber	0	1	A miscellaneous identifier for a case.
E	CaseOtherID	@referenceCase	0	1	A miscellaneous identifier for a case.
E	CaseTrackingID	fullCaseNumber	0	1	A number used to track a case.
E	CaseLineageCase	lineageCaseNumber	0	unbounded	A description of a case at a previous stage.

j:CaseParticipants (uses Person and Organization)

E	CaseParticipants	actor (filingInformation)	0	unbounded	Details about the participants involved in a court case
E	CaseParticipants	role	0	unbounded	Details about the participants involved in a court case
E	CaseParticipants	roleName	1	1	Details about the participants involved in a court case
E	CaseParticipants	roleWith	0	unbounded	Details about the participants involved in a court case
E	CaseParticipants	@actorID	0	1	Details about the participants involved in a court case
E	CaseParticipants	@matterID	0	1	Details about the participants involved in a court case

j:Charge

E	Charge	charge	1	unbounded	Details about a formal allegation that a specific person has committed a specific offense.
E	ChargeSubject	@against	1	1	A person accused of committing a specific offense.
E	ChargeDisposition	chargeDisposition	0	1	Details about the results or processing of a charge.
E	ChargeText	chargeName	0	1	The text of a charge.
E	ChargeID	chargeNumber	0	1	A unique identifying number assigned to a particular charge by an arresting agency, prosecuting attorney, or a court for case management purposes.
E	ChargeSequenceID	chargeSequenceNumber	0	1	A sequentially assigned number for charge tracking purposes (for example, the first charge under the arrest might be assigned Charge Sequence ID 1, the second 2, and so forth).
E	ChargeStatute	chargeStatute	0	unbounded	A unique identifier of a law, rule, or ordinance within a jurisdiction that a person is accused of violating.
E	ChargeTrackingID	chargeTrackingNumber	0	1	A unique identifying number assigned to an entire set of charges for an arrest. Different numbers may appear in the set if cases have been consolidated.
E	ChargeDescriptionText	commentInformation (charge)	0	unbounded	A plain language description of a charge.

E	ChargeCountQuantity	numberOfIdentical-Charges	0	1	A number of times a person is charged with committing the same crime.
E	ChargeReporting	offenseCode	0	1	Information that is sent to local, state, or federal repositories describing the nature of a charge in terms of official codes, terms, and fields.
E	ChargeClassification/ ChargeEnhancingFactor	chargeEnhancingFactor	0	unbounded	Details about a factor or reason that makes a charge more serious (e.g., armed, against the elderly, hate crime)
E	ChargeClassification/ ChargeReducingFactorText	chargeReducingFactor	0	unbounded	A factor which may make a charge less serious or limit the penalty (e.g., violations observed by photo-radar stations in some states)
E	ChargeClassification/ ChargeSeverityText	chargeSeverity	0	1	A level of severity of a charge, e.g., Felony; Misdemeanor; Petty Misdemeanor; Other; Unknown.
E	ChargeClassification/ ChargeApplicabilityText	inchoateCharge	0	1	A degree of involvement a person is being charged with committing in an offense. Sometimes referred to as A/C/S, InchoateCharge. Example: Solicitation; Conspiracy; Attempt; Accessory Before the Fact.
E	ChargeOriginator/ OrganizationORIID	originatingJurisdiction	0	1	A unique identifier assigned to a justice-related organization by the federal government. Sometimes referred to as ORI, ORI code, Originating Agency Code.

**j:Court (extends
Organization)**

E	Court	courtInformation (filingInformation)	1	1	Details about a court or a unit of a court responsible for trying justice proceedings.
E	CourtName	courtName	0	1	A name of a unit of a court.
E	CourtTypeCode	courtType	1	1	A type of court, e.g., district court, appellate court, state superior court.
E	PrimaryContactInformation/ MailingAddress	physicalLocation (courtInformation)	1	1	A location of an organization.

j:CourtEvent

E	CourtEventActivity	courtEventType	1	1	A court-related action associated with a court case event. There must be at least one activity for each event. For example: ordering bail, pleading of not guilty, filing an affidavit. An activity may have conditions attached to it.
E	CourtEventAppearance/ CourtAppearanceReasonText	courtEventReason	0	unbounded	A reason a party is required to appear in court.
E	CourtEventAppearance	courtEventSession	1	unbounded	An appearance in court required of a party
E	CourtEventSequenceID	eventID	0	1	A unique identifier for a court case event record.
E	CourtEventCourt	courtInformation (courtEventSession)	1	1	A court in which a court event occurs.

E	CourtEventSchedule/ ScheduleDate, ScheduleDay- StartTime	dateTime (courtEvent- Session)	1	1	A date that is scheduled.
E	CourtEventSchedule/ ScheduleDayEndTime	duration	0	1	An ending time of a day on a schedule.
j:Disposition					
E	DispositionText	@filingDisposition	1	1	A result or outcome that occurred after processing an activity or entity.
E	Disposition	leadDocumentDisposi- tion	1	unbounded	A result or outcome that is the product of handling, processing, or finalizing a charge, case, activity or entity. Includes law enforcement, prosecutorial, and court dispositions.
E	Disposition	attachmentDisposition	0	unbounded	A result or outcome that is the product of handling, processing, or finalizing a charge, case, activity or entity. Includes law enforcement, prosecutorial, and court dispositions.
E	DispositionReasonText	memo (leadDocument- Disposition)	0	1	A reason why an outcome occurred.
E	DispositionDate	timeStamp (leadDocumentDisposi- tion)	1	1	A date a disposition occurred.
j:DocumentDescriptionMetadata					
E	DocumentTitleText	documentTitle	1	1	A name given to a resource, typically a name by which it is formally known.
E	DocumentTypeText	documentType	0	unbounded	A nature or genre of the content of the resource. Includes terms describing general categories, functions, or genres. To describe the physical or digital manifestation of the resource use the Format property. UNNECESSARY
E	DocumentDescriptionText	@documentCode documentDescription	1	1	A brief account of the content of a resource. May include but not limited to an abstract, table of contents, graphical, or free-text account of the content.
E	DocumentCreationDate	submitted	1	1	A date of the creation of the resource.
E	DocumentID	courtDocumentRefer- ence	1	1	A unique and unambiguous reference to the resource within a given context.
E	DocumentLocationURI	@href	0	1	A URI (Uniform Resource Identifier) for the referenced document which may indicate the HTTP or Intelink address.
E	DocumentRightsText	@privacy	0	1	Rights held in and over the resource. Rights are the constraints applied to assure the protection of privacy or intellectual property, and any special restrictions, limitations or warning on using a shared resource.

j:DrivingIncident (extends Incident)					
E	DrivingIncidentRecordedSpeedRate	clockedSpeed	0	1	A speed a vehicle was moving at when an incident occurred.
E	DrivingIncidentLegalSpeedRate	speedLimit	0	1	A legally designated speed limit in the area where an incident occurred.
j:Firearm (extends Property)					
E	Property	weapon	1	1	A tangible or intangible item that can be owned or used.
E	PropertyAssignedIDDetails	weaponID	0	1	Information about a set of identifiers assigned to a property item.
E	PropertyDescriptionText	weaponDescription	0	1	A description of a property item.
E	FirearmBarrelLengthMeasure	barrel	0	1	A measurement of a barrel length of a firearm.
E	FirearmCaliberCode	caliber	0	1	A code identifying a caliber of a firearm.
E	FirearmFinishCode	weaponFinish	0	1	A code identifying a finish of a firearm.
E	FirearmMakeCode	weaponMake	0	1	A code identifying the manufacturer of a firearm.
E	FirearmTypeDescriptionCode	weaponModel	0	1	A code identifying a description or further classification of a firearm.
E	FirearmTypeCode	weaponType	0	1	A code identifying a type of firearm.
j:Incident (extends Activity)					
E	Incident	incident	0	unbounded	Details about a criminal or non-criminal activity that occurred.
E	ActivityDate	date (incident)	1	1	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.
E	IncidentLocation	physicalLocation (incident)	1	1	A location where an incident occurred.
E	ActivityDate	offenseDate	0	1	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.
j:JudicialOfficial (extends Person)					
E	JudicialOfficialBarMembership	barMembershipInformation	1	1	Details about a legal capacity in which a judicial official is able to practice law.
E	JudicialOfficialBarMembership/ JudicialOfficialBarID	barNumber	1	1	An identifier assigned to a judicial official after meeting the requirement to practice law in a region. Includes information about the issuing authority.
E	JudicialOfficialBarMembership/ JudicialOfficialBar-Status	barStatus	0	1	A status of a judicial officials bar membership.
E	JudicialOfficialBarMembership/ JudicialOfficialBar-Status/ StatusIssuerID	licenseAuthority	1	1	An identifier of a person or organization which assigns a status.

E	JudicialOfficialBarMembership/ JudicialOfficialBar-Status/ StatusDate	yearAdmitted	0	1	A date a status was set, effective, or reported.
j:Location					
E	LocationName	locationText	0	unbounded	A name of a location.
E	LocationTypeText	locationType	0	1	A functional description of a location, e.g., residence, school, agency, park.
E	LocationAddress	postalAddress (physicalLocation)	0	1	Details about a postal address for a location.
E	LocationRelativeLocation	relatedLocation	0	1	Details about a location relative to another location.
E	LocationGeographicCoordinate/ GeographicCoordinate-Latitude	latitude	1	1	A circle around the Earth parallel to the Equator. Values range from -90 degrees (inclusive) at the South Pole to +90 degrees (inclusive) at the North Pole. The value is 0 at the Equator.
E	LocationGeographicCoordinate/ GeographicCoordinate-Longitude	longitude	1	1	A meridian that is perpendicular to the Equator. Values range from -180 degrees (inclusive) at the International Date Line to +180 (exclusive) just west of the International Date Line. The value is 0 at the Prime Meridian.
j:Organization					
E	Organization	entity	1	1	Details about a unit which conducts some sort of business or operations.
E	OrganizationID	organizationID	1	1	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.
E	OrganizationAbbreviation-Text	entityAbbreviatedName	0	1	An abbreviation, acronym, or code for an organization name, e.g., FBI, NCIC.
E	OrganizationAbbreviation-Text	entityAcronym	0	1	An abbreviation, acronym, or code for an organization name, e.g., FBI, NCIC.
E	OrganizationName	entityName	0	1	A name of an organization.
E	OrganizationORIID	ori	0	1	A unique identifier assigned to a justice-related organization by the federal government. Sometimes referred to as ORI, ORI code, Originating Agency Code.
E	OrganizationORIID	agencyID	1	1	A unique identifier assigned to a justice-related organization by the federal government. Sometimes referred to as ORI, ORI code, Originating Agency Code.
j:Person					
E	PersonAlternateName	@matchWith	0	1	An alternate name used by a person. Sometimes referred to as an AKA.
E	PersonName	personName	1	1	A name by which a person is known.

E	PersonName/ PersonGiven-Name	firstName	0	1	A first name of a person.
E	PersonName/ PersonFull-Name	fullName	0	1	A complete name of a person.
E	PersonName/ PersonSur-Name	lastName	0	1	A last name or family name of a person.
E	PersonName/ PersonMiddle-Name	middleName	0	1	A middle name of a person.
E	PersonName	name (personName)	0	unbounded	A name by which a person is known.
E	PersonName/ PersonPrefix-Name	namePrefix	0	1	A title or honorific used by a person, e.g., Dr., Judge, General, Ms.
E	PersonName/ PersonSuffix-Name	nameSuffix	0	1	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., M.D., L.L.D., Ph.D.).
E	PersonName/ PersonPrefix-Name	title	0	1	A title or honorific used by a person, e.g., Dr., Judge, General, Ms.
		group	0	unbounded	UNNECESSARY?
		@qualifier	1	1	UNNECESSARY?
		@referenceDateQualifier	0	1	UNNECESSARY?
		groupRelationship	0	1	UNNECESSARY?
E	PersonDescriptionText	personDescription	0	unbounded	A general description of a person.
E	PrimaryContactInformation/ ContactMailingAddress	postalAddress (actor)	0	unbounded	Details about the place in which a person lives.
E	Residence	residence	0	1	Details about the place in which a person lives.
E	Residence/ LocationAddress	physicalLocation (residence)	0	1	Details about a physical location.
E	PrimaryContactInformation/ ContactTelephoneNumber	telephone	0	1	A telephone number of a person or organization.
E	Employment	employment	0	unbounded	Details about the employment of a person.
E	Employment/ EmploymentEmployerName	employer	0	1	A name of an employer. This could be an organization name, a person's name, unemployed, or self employed.
E	EmploymentOccupationText	occupation	0	1	A specific type of employment or occupation.
E	EmploymentLocation	physicalLocation (employment)	0	1	A location where a person works.
E	PersonBirthDate	birthDate	0	unbounded	A date a person was born.
E	PersonBirthLocation	birthPlace	0	unbounded	Details about a place where a person was born.
E	PersonBirthPlaceCode	birthPlaceData	0	1	A code identifying the state or country of a person's birth.
E	PersonBirthLocation	physicalLocation (birthPlace)	0	1	Details about a place where a person was born.

E	PrimaryContactInformation/ ContactEmailID	email	1	1	An email address of a person or organization.
E	PrimaryContactInformation/ ContactFascimileNumber	fax	1	1	A facsimile number of a person or organization. Sometimes referred to as a FAX or fax number.
E	PrimaryContactInformation/ ContactWebsiteID	uri	1	1	A Website address of a person or organization.

j:Property

E	Property	thing	1	1	A tangible or intangible item that can be owned or used.
---	----------	-------	---	---	--

j:Subject (extends Person)

E	SubjectCautionInformation- Caveat	cautionInformation	0	unbounded	Details regarding cautionary messages about an individual.
E	SubjectCautionInformation- Caveat	caution	0	1	Details regarding cautionary messages about an individual.
E	SubjectOffenderNoticeCaveat	caveat	0	1	Details about other cautions/caveats/notices related to an offender.
E	SubjectOffenderNoticeCaveat	offenderNoticeInforma- tion	0	1	Details about other cautions/caveats/notices related to an offender.
E	SubjectOffenderNoticeCaveat	offenderNotice	0	1	Details about other cautions/caveats/notices related to an offender.
E	PersonBiometricDetails/ PersonDNA	dna	0	1	A representation or an encoding of the identifying characteristics of a person's DNA.
E	PersonBiometricDetails/ PersonPalmPrint	palmPrint	0	1	A representation or an encoding of the identifying characteristics of a person's palm print.
E	PersonBiometricDetails/ PersonDigitalImage	photo	0	1	A photograph or image of a person in a digital format.
E	PersonBiometricDetails/ PersonDNA/ BiometricCap- tureDescriptionText	commentInformation (dna)	0	unbounded	A description of how a biometric sample was collected.
E	PersonBiometricDetails/ PersonDNA/ DNALocus	dnaLocus	1	unbounded	Location specific information regarding a person's DNA.
E	PersonBiometricDetails/ PersonDNA/ DNALo- cusTypeText	@type (dnaLocus)	1	1	The location within a strand of DNA that a value was determined.
E	PersonBiometricDetails/ PersonDNA/ DNALocus/ DNALocusValue	locusValue	1	unbounded	The value string for a DNA locus.
E	PersonBiometricDetails/ PersonPalmPrint/ BiometricImage	imageData	1	1	A picture of a biometric sample.

E	PersonBiometricDetails/ BiometricBinary/ BinarySizeValue	@size	0	1	A size of a binary object in kilobytes.
		@mimeType	1	1	UNNECESSARY
		@contentEncoding	0	1	UNNECESSARY
E	PersonBiometricDetails/ PersonBloodTypeCode	bloodType	0	1	A code identifying a person's type of blood, e.g., A positive, O negative.
E	PersonBiometricDetails/ PersonFingerprintSet/ Fingerprint/ FingerprintPat- ternCode	fingerprintPattern	0	unbounded	A code identifying a general pattern of a persons fingerprint.
E	PersonBiometricDetails/ PersonFingerprintSet	fingerprint	1	1	A representation or an encoding of the identifying characteristics of a set of a persons fingerprints.
E	PersonPhysicalDetails/ PersonEyeColorCode	eyeColor	0	unbounded	A code identifying the color of a person's eyes.
E	PersonPhysicalDetails/ PersonHairColorCode	hairColor	0	unbounded	A code identifying the color of a person's hair.
E	PersonPhysicalDetails/ PersonHeightMeasure	height	0	unbounded	A measurement of the height of a person.
E	PersonPhysicalDetails/ PersonHeightMeasure/ @measureUnitText	@units	0	1	A unit that qualifies the measurement value.
E	PersonPhysicalDetails/ PersonRaceCode	race	0	unbounded	A code identifying the race of a person.
E	PersonPhysicalDetails/ PersonSexCode	sex	0	unbounded	A code identifying the gender or sex of a person.
E	PersonPhysicalDetails/ PersonSkinToneCode	skinTone	0	unbounded	A code identifying a color or tone of a person's skin
E	PersonPhysicalDetails/ PersonWeightMeasure	weight	0	unbounded	A measurement of the height of a person.
E	PersonPhysicalDetails/ PersonPhysicalFeature	scarsMarksTattoos	0	unbounded	Details about a physical feature of a person. Includes scars, marks, and tattoos.
E	PersonPhysicalDetails/ PersonPhysicalFeature/ FeatureImage	image	1	1	A digital image of a physical feature, e.g., tattoo.
E	PersonPhysicalDetails/ PersonPhysicalFeature/ PhysicalFeatureDescription- Text	scarsMarksTattoosDe- scription	1	1	A description of a physical feature.
E	PersonMedicalDetails/ PersonMedicalCondition	medicalCondition	0	unbounded	Details about a specific medical condition a person has or experiences.

E	PersonSocialDetails	characteristic	0	unbounded	A set of details about the social characteristics of a person.
E	PersonSocialDetails/ PersonCitizenshipCode	citizenship	0	unbounded	A code identifying a country that assigns rights, duties, and privileges to a person due to the person's birth or naturalization in that country.
E	PersonSocialDetails/ PersonEthnicityText	ethnicity	0	unbounded	A person's cultural lineage.
E	PersonSocialDetails/ PersonReligionText	religion	0	unbounded	A religion to which a person subscribes or believes. Describes the overall category of a person's spiritual beliefs.
E	PersonSocialDetails/ PersonMaritalStatusText	maritalStatus	0	unbounded	A marital status of a person, e.g., married, divorced, single, separated.
E	PersonPhysicalDetails	characteristicName	1	1	A set of details about the physical appearance of a person.
E	PersonPhysicalDetails	characteristicValue	1	1	A set of details about the physical appearance of a person.
E	PersonAssignedIDDetails	identification	1	1	A set of details about identifications issued to a person.
E	PersonAssignedIDDetails/ PersonFirearmSalesDisqualifiedIndicator	firearmSalesDisqualified	0	1	True if a person is prohibited from purchasing firearms; false otherwise.
E	PersonAssignedIDDetails	designation	0	unbounded	A set of details about identifications issued to a person.
E	PersonAssignedIDDetails	personalIDNumber	0	unbounded	A set of details about identifications issued to a person.
E	PersonAssignedIDDetails	@issuingAuthority	0	1	A set of details about identifications issued to a person.

j:Submission

E	SubmissionReceiver	cc	0	1	A person or organization which receives a document.
E	SubmissionReceiver	bcc	0	1	A person or organization which receives a document.
E	SubmissionReceiver	replyTo	0	1	A person or organization which receives a document.
E	SubmissionSubmittedDate, SubmissionSubmittedTime	dateTime (submitted)	1	1	A date a document left the control of the submitting party.
E	SubmissionSubmitter	actor (filing)	1	unbounded	A person or organization which submits a document.
E	SubmissionReceivedDate, SubmissionReceivedTime	timeStamp (confirmation)	1	1	A date the receiving party received the document.
E	SubmissionFee	fee	0	unbounded	A fee or price required to submit a document.
E	Submission-Fee/ObligationTypeText	@type (fee)	1	1	A type or category of obligation, e.g., fee, fine, support, restitution, community service, damages, court costs.

j:Supervision

E	Supervision	custody	0	1	Details about an act of officially overseeing, supervising, or keeping track in some capacity of a person. Supervision may or may not involve incarceration, conditions, and treatment.
E	SupervisionCustodyStatus	@status	1	1	A status of the custody of a person under supervision.
E	SupervisionSubject	@defendantID	1	1	A person who is being supervised.
E	SupervisionFacility	physicalLocation (custody)	1	1	A facility at which a subject is being supervised.

j:TelephoneNumber

E	TelephoneNumber	telephoneNumber	1	1	Details about a number to be dialed to reach a contact.
		@format	0	1	UNNECESSARY
E	TelephoneCountryCodeID, TelephoneCityCodeID	telephonePrefix	0	1	An international dialing code for a country.
E	TelephoneSuffixID	telephoneSuffix	0	1	Additional numbers to be entered to direct a call to the appropriate place. Includes extensions, answering system navigation codes, and PINs.
E	TelephoneAreaCodeID	areaCode	0	1	A dialing code for a state or province for phone numbers in the USA, Canada, Mexico, and the Caribbean.
E	TelephoneCityCodeID	telephoneCityCode	0	1	A dialing code for a city.
E	TelephoneCountryCodeID	telephoneCountryCode	0	1	An international dialing code for a country.

j:Vehicle (extends Property)

E	Vehicle	vehicle	1	1	Details about a motor-driven conveyance designed to carry its operator, passengers, and cargo, including trailers, and excepting boats.
E	VehicleBrand	vehicleBrand	0	1	A brand issued to a vehicle.
E	VehicleColorPrimaryCode	vehicleColor	0	1	A single, upper-most, front-most, or majority color of a vehicle.
E	PropertyDescriptionText	vehicleDescription	0	1	A description of a property item.
E	VehicleEngineHorsepower- Quantity	vehicleEnginePower	0	1	The engine horsepower of a vehicle.
E	VehicleLeasedIndicator	vehicleLeased	0	1	True if a vehicle is leased; false otherwise.
E	VehicleMakeCode	vehicleMake	0	1	A code identifying the manufacturer of a vehicle.
E	VehicleModelCode	vehicleModel	0	1	A code identifying the specific design or type of vehicle made by a manufacturer. Sometimes referred to as the series model.
E	VehicleModelYearDate	vehicleModelYear	0	1	A year which is assigned to a vehicle by the manufacturer.
E	PropertyOwner	vehicleOwner	0	1	Details about a person or organization which own a property item.
E	PropertyOwner/PersonName	name (vehicleOwner)	1	1	A name by which a person is known.
E	PropertyOwner/Residence	vehicleOwnerAddress	0	1	Details about the place in which a person lives.
E	PropertyLocation	physicalLocation (vehicleOwnerAddress)	1	1	Details about the location of a property item.
		vehicleOwnerApplied- Name	0	1	UNNECESSARY?
E	VehicleRegistration/ VehicleRegistrationDecal/ DecalYearDate, Decal- MonthDate	vehicleRegistrationEx- piration	0	1	A year as shown on the registration decal issued, e.g., 1995, 1996, 1997, etc.
E	VehicleLicensePlateID	vehicleRegistration- Number	0	1	License plate associated with a vehicle

E	VehicleRegistration/ VehicleRegistrationDecal/ DecalID	vehicleSerialNumber	0	1	An identifier assigned to a registration decal sticker in a given year. Sometimes referred to as a decal number.
E	VehicleStyleCode	vehicleStyle	0	1	A code identifying the style of a vehicle.
E	VehicleMakeCode	vehicleType	0	1	A code identifying the manufacturer of a vehicle.
E	VehicleRegistration/ VehicleRegistrationPlateID	vehicleVisibleID	0	1	A number on a metal plate fixed to a vehicle. The purpose of a license plate number is to identify uniquely each vehicle in a state.
E	VehicleID	vin	0	1	A unique combination of alphanumeric characters that identifies a specific vehicle. A vehicle identification number is normally imprinted by the manufacturer and attached to the vehicle in specific locations, but is occasionally assigned by titling or registration agencies. Sometimes referred to as a VIN, VIN number.

A	oxci:FilingSubmission (extends j:Submission)				
A	FilingSubmission	filing	1	unbounded	An exchange of a pleading, order or notice associated with a case. For a new case, the submission includes the information needed to initiate the case.
	FlingRightsText	@privacy	0	1	Rights held in and over the resource. Rights are the constraints applied to assure the protection of privacy or intellectual property, and any special restrictions, limitations or warning on using a shared resource.
A	FilingSubmission	filingInformation	1	1	An exchange of a pleading, order or notice associated with a case. For a new case, the submission includes the information needed to initiate the case.
		specialHandling	0	1	UNNECESSARY
A	FilingSubmissionID	@id (filingInformation)	1	1	A unique identifier for a filing.
A	FilingSubmission	leadDocument	1	1	An exchange of a pleading, order or notice associated with a case. For a new case, the submission includes the information needed to initiate the case.
		part	1	1	UNNECESSARY
		@number	1	1	UNNECESSARY
A	FilingAttachmentSubmission	attachment	0	unbounded	An attachment to a FilingSubmission.
A	FilingInformation	documentInformation	1	1	A set of case-type-specific information for initiating a case.
		matter	0	unbounded	UNUSED
		documentContent	1	1	UNNECESSARY
		attachmentDocumentIn- formation	1	1	UNNECESSARY?

A	FilingInformation/ AdministrativeLawFiling	administrativeLaw	1	1	A set of information for initiating an administrative law case.
A	FilingInformation/ AppealsFiling	appeals	1	1	A set of information for initiating an appeals case.
A	FilingInformation/ BankruptcyFiling	bankruptcy	1	1	A set of information for initiating a bankruptcy case.
		causeOfAction	0	unbounded	UNUSED
A	FilingInformation/ CivilFiling	civil	1	1	A set of information for initiating a civil case.
A	FilingInformation/ CriminalFiling	criminal	1	1	A set of information for initiating a criminal case.
A	FilingInformation/ DomesticRelationsFiling	domesticRelations	1	1	A set of information for initiating a domestic relations case.
A	FilingInformation/ JuvenileFiling	juvenile	1	1	A set of information for initiating a juvenile case.
A	FilingInformation/ ProbateFiling	probate	1	1	A set of information for initiating a probate case.
A	FilingInformation/ SmallClaimsFiling	smallClaims	1	1	A set of information for initiating a small claims case.
A	FilingInformation/ TrafficFiling	traffic	1	1	A set of information for initiating a traffic case.
		attention	0	1	UNUSED
		purposeCode	0	1	UNUSED

**oxci:FilingConfirmation
(extends j:Submission)**

A	FilingConfirmation	confirmation	1	unbounded	A filing confirmation including the disposition and docket number of the lead document.
A	FilingConfirmation	confirmationInforma- tion	1	1	A filing confirmation including the disposition and docket number of the lead document.
A	FilingSubmissionID	@refersTo (confirmationInforma- tion)	1	1	A unique identifier for a filing.
A	DocumentSubmissionID	@refersTo (leadDocumentDisposi- tion)	1	1	A unique identifier for a document in a filing.

oxci:FilingQuery

A	FilingQueries	query	1	1	A set of queries for filing information from the EFM.
---	---------------	-------	---	---	---

oxci:FilingResponse

A	FilingResponses	response	1	1	A set of responses to queries for filing information.
---	-----------------	----------	---	---	---

ubl:PaymentMeans					
E	PaymentMeans	paymentInformation (legalEnvelope)	0	1	Information directly relating to the means of payment.
E	CardAccount	credit	1	1	Information that directly relates to a credit or debit card, a small plastic card issued by a financial institution, bank or building society, allowing the holder to make purchases against the card.
E	CardAccount	debit	1	1	Information that directly relates to a credit or debit card, a small plastic card issued by a financial institution, bank or building society, allowing the holder to make purchases against the card.
E	PaymentMeans/ PaidAmount	amount	1	1	Information directly relating to the means of payment.
E	CardAccount/ PrimaryAccountNumberID	accountNumber	1	1	Information that directly relates to a credit or debit card, a small plastic card issued by a financial institution, bank or building society, allowing the holder to make purchases against the card.
E	CardAccount/ Holder	cardHolder	0	1	Information that directly relates to a credit or debit card, a small plastic card issued by a financial institution, bank or building society, allowing the holder to make purchases against the card.
E	CardAccount/ ExpiryDate	expiration	1	1	Information that directly relates to a credit or debit card, a small plastic card issued by a financial institution, bank or building society, allowing the holder to make purchases against the card.
E	CardAccount/ ExpiryDate	date (expiration)	1	1	Information that directly relates to a credit or debit card, a small plastic card issued by a financial institution, bank or building society, allowing the holder to make purchases against the card.
		account	1	1	UNNECESSARY
		cash	1	1	UNNECESSARY
		check	1	1	UNNECESSARY
		@sequenceNumber	0	1	UNNECESSARY
		@business	0	1	UNNECESSARY
		financialInstitution	1	1	UNNECESSARY
		payee	1	1	UNNECESSARY
		routingNumber	1	1	UNNECESSARY
		signer	1	1	UNNECESSARY
		uri	1	1	UNNECESSARY
		negotiableInstrument	1	1	UNNECESSARY
		@type (negotiableInstrument)	0	1	UNNECESSARY
		@value	0	1	UNNECESSARY
		instrumentNumber	1	1	UNNECESSARY

APPENDIX G
GLOSSARY

GLOSSARY

AAMVA	American Association of Motor Vehicle Administrators
BLOB	Binary Large Object
CID	Content Identifier
CMS	Case Management System
COSCA	Consortium of State Court Administrators
CPA	Collaboration Protocol Agreement
DMS	Document Management System
DOM	Document Object Model
DTD	Document Type Definition
ebMS	ebXML Messaging Service
ebXML	Electronic Business eXtensible Markup Language
EFM	Electronic Filing Manager
EFP	Electronic Filing Provider
EFSP	Electronic Filing Service Provider
FIPS	Federal Information Processing Standards
FTP	File Transfer Protocol
GJXDM	Global Justice XML Data Model
HIPAA	Health Insurance Portability and Accountability Act of 1996
HTTP	HyperText Transfer Protocol
HTTPS	HyperText Transfer Protocol Secure
ID	identification
IETF	Internet Engineering Task Force
MIME	Multipurpose Internet Mail Extensions
MSH	Message Service Handler
NACM	National Association of Court Managers
NCIC	National Crime Information Center
NCSC	National Center for State Courts
OASIS	Organization for the Advancement of Structured Information Standards
ODBMS	Object Database Management System

OXCI	Open XML Court Interface
PDF	Portable Document Format
RAP	Record of Arrest and Prosecution
RDF	Resource Description Framework
RFC	Request for Comments
RISS	Regional Information Sharing System
SAML	Security Assertion Markup Language
S/MIME	Secure/Multipurpose Internet Mail Extensions
SMTP	Simple Mail Transfer Protocol
SOAP	Simple Object Access Protocol
SSL	Secure Sockets Layer
TC	Technical Committee
TCP/IP	Transmission Control Protocol/Internet Protocol
TIFF	Tagged Image File Format
TRP	transport, routing and packaging
UBL	Universal Business Language
UDDI	Universal Description, Discovery and Integration
URI	Uniform Resource Identifier
UTC	Coordinated Universal Time
W3C	World Wide Web Consortium
WSDL	Web Services Description Language
XML	eXtensible Markup Language
XSD	XML Schema Definition

APPENDIX H
REFERENCES

REFERENCES

In creating this document, we consulted a large number of standards specifications and other documents related to electronic court filing. These documents included the following:

A. OASIS SPECIFICATIONS

1. M. Halverson, "Electronic Court Filing 1.1 Proposed Standard," OASIS LegalXML Member Section Electronic Court Filing Technical Committee, <http://www.oasis-open.org/committees/legalxml-courtfiling/documents/filing1.1/22072002cf1-1.pdf>, July 22, 2002.
2. S. Durham, "Electronic Court Filing Query and Response Standard (draft)," OASIS LegalXML Member Section Electronic Court Filing Technical Committee, October 22, 2002.
3. D. Bergeron, "Court Policy Interface Requirements," OASIS LegalXML Member Section Electronic Court Filing Technical Committee, http://www.oasis-open.org/committees/legalxml-courtfiling/documents/court_policy/court_policy_20021018.pdf, October 14, 2002.
4. OASIS, "Definition of Court Filing Blue," OASIS LegalXML Member Section Electronic Court Filing Technical Committee, December 12, 2004.
5. OASIS, "Message Service Specification Version 2.0," OASIS ebXML Messaging Services Technical Committee, http://www.oasis-open.org/committees/ebxml-msg/documents/ebMS_v2_0.pdf, April 1, 2002.
6. G. Beaver, "Verification of ebXML Messaging for use with government," OASIS e-Government Technical Committee, November 26, 2003.

B. W3C SPECIFICATIONS

1. T. Bray, J. Paoli, C. M. Sperberg-McQueen, E. Maler. W3C, "Extensible Markup Language (XML) 1.0 (Second Edition)," W3C Recommendation, <http://www.w3.org/TR/2000/REC-xml-20001006>, October 2000.
2. D. Fallside (ed.), "XML Schema Part 0: Primer," W3C Recommendation, <http://www.w3.org/TR/2001/REC-xmlschema-0-20010502/primer.html>, May 2, 2001.

3. D. Eastlake, J. Reagle, D. Solo, "XML-Signature Syntax and Processing," W3C Recommendation, <http://www.w3.org/TR/2002/REC-xmlsig-core-20020212>, February 12, 2002.
4. D. Eastlake, J. Reagle, "XML Encryption Syntax and Processing," W3C Candidate Recommendation, <http://www.w3.org/TR/2002/CR-xmlenc-core-20020802>, August 2, 2002.
5. D. Box, et al., "Simple Object Access Protocol (SOAP) 1.1," W3C Note, <http://www.w3.org/TR/2000/NOTE-SOAP-20000508>, May 8, 2000.
6. J. Barton, S. Thatte, H. F. Nielsen, "SOAP Messages with Attachments," W3C Note, <http://www.w3.org/TR/2000/NOTE-SOAP-attachments-20001211>, December 11, 2000.

C. INTERNET ENGINEERING TASK FORCE RFCS

1. R. Fielding, et al., "RFC2616: Hypertext Transfer Protocol – HTTP/1.1," IETF, <http://www.ietf.org/rfc/rfc2616.txt>, June 1999.
2. J. Palme, A. Hopmann, N. Shelness, "RFC2557: MIME Encapsulation of Aggregate Documents, such as HTML (MHTML)," <http://www.ietf.org/rfc/rfc2557.txt>, March 1999.
3. S. Bradner. "RFC2119: Key words for use in RFCs to Indicate Requirement Levels," IETF, <http://www.ietf.org/rfc/rfc2119.txt>, March 1997.

D. OTHER DOCUMENTS

1. Department of Justice, Office of Justice Programs "Global Justice XML Data Model Release 3.0," <http://www.it.ojp.gov/jxdm/3.0>, January 15, 2004.
2. W. Roberts, "Rendering of the Data Model Schema," GTRI, <http://justicexml.gtri.gatech.edu>, 2003.
3. Sierra Systems, "Prototype for XML-based Efiling of Criminal Complaints," October 2003.
4. GTRI, "Rules for Creating Subset Schema," http://justicexml.gtri.gatech.edu/rules_for_schema_subsets.html, February 2004.

APPENDIX I
REVISION HISTORY

REVISION HISTORY

Version	Date	Revised By	Description
0.5	2/9/04	Mr. James Cabral	The initial version of this schema specification.
0.6	2/17/04	Mr. Cabral	This version corrected several grammatical errors and changed the eb:Service example to a URI.
0.7	4/5/04	Mr. Cabral	This version includes revised schemas based on the GJXDM.
0.8	4/26/04	Mr. Cabral	This version includes additional elements for sealed/redacted filings and documents and additional requirements for person, organization, and property identifiers. It also includes additional messaging and security examples using ebXML.
0.9	5/17/04	Mr. Cabral	This version includes revised Payment schemas and examples to conform with the 1.0 release of the UBL specification.
0.9.1	10/25/04	Mr. Cabral	This version fixes several bugs in the 0.9 schemas and updates the diagrams and text to reflect the latest schemas and emphasize required elements.