



# 2GEFS CCMS V3 01 to 02 Schema Updates

AUGUST 2010

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COURTS  
INFORMATION SERVICES DIVISION

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## Revision History

Change #	Date	Who	Description of Changes
Version 2.0	August 8, 2009	Todd Vincent, <xmlLegal>	Final external draft for 2GEFS 02 schemas. Revised from external draft for 2GEFS Test07 schemas.
Version 2.1	January 20, 2010	Spring Snuffin	Style and editorial revisions.
Version 2.2	March 15, 2010	Todd Vincent, <xmlLegal>	Style and editorial revisions.
Version 2.3	August 23, 2010	Todd Vincent, <xmlLegal>	Minor typographical change.

## Introduction

This document is an update on 2GEFS schema development and documentation. This updates includes summary updates from version Filing 01 to Filing 02 and Policy 01 to Policy 02. Included also are updates done to intermediary versions, including Filing Test06 and Test07 and Policy Test05 and Test06. Changes done to intermediary version, in nearly all cases, have been incorporated into the Filing 02 and Policy 02 schemas.

Changes made to the schema and documentation come as a result of California Case Management System Version 3 (CCMS) requirements, implementation experience, and other testing conducted since August 5<sup>th</sup>, 2004, when the last 2GEFS revision and official version 01 schemas were published. Since August 2004, implementation experience has been gained and new requirements gathered from local 2GEFS court implementations in the Superior Courts of Sacramento, San Mateo, and Contra Costa; and through the development of CCMS.

## 2GEFS Revision History

The following table lists the first 2GEFS versions numbers published July 31<sup>st</sup>, 2003 and April 30<sup>th</sup>, 2004 versions; the current 2GEFS 01 versions published August 5<sup>th</sup>, 2004; the upgraded, test versions published June 30<sup>th</sup>, 2005 and October 1, 2008; and the finalized 2GEFS 02 version published on November 13, 2008.

	2003-07-31	2004-04-30	2004-08-05	2005-06-30	2008-10-01	2008-11-13
<b>Filing</b>	Test03	Test04	Test05 and 01	Test06	Test07	02
<b>Policy</b>	Test02	Test03	Test04 and 01	Test05	Test06	02
<b>Request-Response</b>	Test01	Test02	Test02	Request Test03  Response Test03	No change	No change
<b>CMS-API</b>	0.2.4	0.2.6	0.2.6	0.2.7	No change	No change

This document refers to Filing 01 and Policy 01 as the “past” or “current” versions and Filing 02 and Policy 02 (and intermediate drafts) as the “new” versions.

Parenthetical version numbers in headings indicate the schema version in which the change first occurred. For example ( Test06 ) in a heading indicates the change first occurred in the Test06 schema.

## ***Global Documentation Change Regarding All Dates and Times***

The following global change applies to all dates and times. Dates only include the date, without the time zone offset, as shown below. Times always include the time zone offset, as shown below. This is the new rule for all incoming and outgoing dates and times.

<Confirmation:Date>2007-11-01</Confirmation:Date>

<Confirmation:Time>10:53:26-07:00</Confirmation:Time>

## 1. Filing

### 1.1 Filing (Test06 and Test07)

The following changes have been made to the **Filing** schema.

#### 1.1.1 New Sealed Element (Test06)

Filing 01 includes a **Filing:Confidential** element, defined as a request by the filer to the court to keep the filing confidential. There is a new requirement for a **Filing:Sealed** element. Filing 02 includes a **Filing:Sealed** element that is defined as a request by the filer to the court to seal the filing. This is a request by the filer only. The court is not required to grant the request.

Documents filed under seal are supported by CCMS. SU47-06-AP-A-061

#### 1.1.2. New Services Element (Test06)

A new **Filing:Services** element has been added as a container element to the existing **Filing:Service** element. This element allows a filing application to report more than one service event. This is not used in CCMS.

#### 1.1.3. New Calendars Element (Test06)

A new **Filing:Calendars** element has been added as a container element to the existing **Filing:Calendar** element. This element allows a filing application to report more than day of calendar events. CCMS does not accept request for calendaring events via Filing XML, but it does send back a single calendar event in Confirmation XML.

#### 1.1.4. New FeeTotal Attribute On Filing:Fees Element (Test06)

A new **FeeTotal** attribute has been added to the **Filing:Fees** element. This element is required and must be used regardless of the payment method.

#### 1.1.5. New Message Schema and Related Elements (Test07)

A new **Message** schema has been added. **Filing:Message** has been changed from *xsd:string* to a **Message**. The **Message** schema includes **Message:Subject** and **Message:Body**. This change has also been made on the **Confirmation** schema.

The following sections show examples of how the message can be used in Filing XML and Confirmation XML in CCMS V3 E-Filing.

### 1.1.5.1. Filer's Message to the Clerk

```
<Filing:Messages>
  <Filing:Message>
    <Message:Body> Please do not forget to process my document XX, per our call
    today.</Message:Body>
  </Filing:Message>
</Filing:Messages>
```

### 1.1.5.2. Clerk's Response Back to the Filer - Non-Rejection Scenario

When **Confirmation:FilingStatus** = Accepted:

```
<Confirmation:Messages>
  <Confirmation:Message>
    <Message:Body> Your document XX is processed, per our call.</Message:Body>
  </Confirmation:Message>
</Confirmation:Messages>
```

CCMS returns the **Message:Subject** element, rather than the **Message:Body** element. CCMS returns one **Confirmation:Message** element in a synchronous confirmation and may return more than one **Confirmation:Message** elements in an asynchronous confirmation.

### 1.1.5.3. Clerk's Response Back to the Filer - Multiple Rejection Reasons

When **Confirmation:FilingStatus** = Rejected:

```
<Confirmation:Messages>
  <Confirmation:Message>
    <Message:Subject> Filing fees not included.</Message:Subject>
    <Message:Body> special comments about this.</Message:Body>
  </Confirmation:Message>

  <Confirmation:Message>
    <Message:Subject> Did not sign complaint </Message:Subject>
    <Message:Body> special comments about this.</Message:Body>
  </Confirmation:Message>

  <Confirmation:Message>
    <Message:Subject> . . . . . </Message:Subject>
```

```
<Message:Body> . . . . . </Message:Body>
</Confirmation:Message>
<Confirmation:Messages>
```

#### **1.1.5.4. Clerk's Response to the Filer (in a Partial Rejection Scenario)**

When **Confirmation:FilingStatus** = `Partial`:

In CCMS, the **Document:FilingStatusMessage** includes rejection reasons for rejected documents. CCMS includes a "standard" reason in the **Message:Subject** and a free-form (clerk entered) reason in the **Message:Body**. It is still possible to send a message to the clerk as is done in the accepted scenario in the **Filing:Message** element.

#### **1.1.6. New Court Policy Version Element (Test07)**

A new element **Filing:PolicyVersion** and children elements have been added to show the version of the Court Policy used to create the Filing XML. Filing applications must include this information in Filing XML.

#### **1.1.7. New ReceivedDate and ReceivedTime Attributes**

New attributes **ReceivedDate** and **ReceivedTime** have been added to **Filing:Date** and **Filing:Time** elements. These elements are intended to be used by an EFM to record the date and time that the Filing XML arrived at the EFM. These attributes should not be used by filing applications. They may be used by intermediary EFMs that forward Filing XMLs to other applications. Other applications are free to ignore or delete these attributes and values and replace them with new values.

### **1.2. Calendar (Test07)**

The following changes have been made to the **Calendar** schema to match the information stored in CCMS about calendars. In CCMS, this information will be returned in Asynchronous Confirmation XML.

#### **1.2.1. Added New Calendar Elements (Test07)**

The following elements were added to the **Calendar** schema.

1. Added **Calendar:CausalDocument**.
2. Added **Calendar:CalendarType**.
3. Added **Calendar:EventType**.

4. Added **Calendar:ResourceType** as choice between **Calendar:ResourceName** and **Calendar:ResourcePlace**.
5. Added **Calendar:ResourceName**.
6. Added **Calendar:ResourcePlace**.
7. Added **Calendar:ResourceLocation**.
8. Added **Calendar:ResourceDivision**.
9. Added **Calendar:ResourceDepartment**.
10. Added **Calendar:NightCourt** as *xsd:boolean*.

### 1.2.2. Changed Calendar Elements (Test07)

The following elements were changed in the **Calendar** schema.

1. Changed **Calendar:Duration** to **Calendar:EstimatedDuration**.
2. Changed **Calendar:Description** to **Calendar:EventDescription**.

### 1.3. Case (Tes06 and Test07)

The following changes have been made to the **Case** schema:

#### 1.3.1. Changed Number Complex Litigation Factors (Test06)

Filing 01 **Case** schema includes a **Case:ComplexLitigationFactors** that can include one **Case:ComplexLitigationFactor** element. It is possible to have more than one factor in a California civil case coversheet. Accordingly, Filing 02 **Case** schema allows more than one **Case:ComplexLitigationFactor** element.

**Case:ComplexLitigationFactor** is not supported in CCMS.

#### 1.3.2. Changed Amount in Controversy and Added Jurisdictional Amount (Test07)

The element **Case:AmountInControversy** has been changed to *xsd:decimal*. The attribute **AmountThreshold** has been changed from an optional to required attribute.

A new element has been added and included as **Case:New/Case:JurisdictionalAmount** and **Case:Existing/Case:JurisdictionalAmount** with enumerated values consistent with CCMS values.

CCMS supports **Case:JurisdictionalAmount**. Enumerated values for jurisdictional amount are included in Policy XML. CCMS does not support **Case:AmountInControversy**.

### 1.3.3. Changed and Deleted Information Related to Court Division and Case Categories (Test06 and Test07)

The element **Case:Division** has been deleted. The element is replaced by the **Case:Category** element. The **Case:Category** element existed in the previous version, but it had a different meaning. In the new 02 specification, the meaning of the former **Case:Division** now maps to **Case:Category**.

The element **Case:Type** has been added to be consistent with CCMS terminology. Now, the CCMS Case Type maps to the 2GEFS 02 **Case:Type** element. (As a semantic definition, the new **Case:Type** maps to the former 2GEFS 01 **Case:Category**). The CCMS Case Category maps to the new **Case:Category** and also to court keys and other elements in the 2GEFS **CourtDetails** schema.

A new element **Case:Subtype** has been added. (“Subtype” has no previous mapping in 2GEFS 01). The hierarchy of the elements is now **Case:Category**, **Case:Type**, **Case:Subtype** (these elements were formerly **Case:Division**, **Case:Category**, [no equivalent element existed], respectively).

CCMS supports the **Case:Category** and **Case:Type** elements.

### 1.3.4. Added DataFile Element for Case Type Specific Plug-Ins (Test07)

A new element **Case:DataFile** of type *xsd:any* has been added. This element is used to insert Case Type Specific Plug-In XML. See Section 4 for more information on Case Type Specific Plug-In XML.

## 1.4. Charge (No Changes)

No changes.

## 1.5. Confirmation (Test06 and Test07)

The following changes have been made to the **Confirmation** schema

### 1.5.1. Confirmation Number Is Plural And Distinguishes Source (Test06 and Test07)

A new **Confirmation:Numbers** (plural element) has been added as a container element for **Confirmation:Number**. **Confirmation:Number** includes two new, required attributes **NumberSource** and **NumberType**.

The new attributes are used to show the source of the confirmation number (i.e., the court or an intermediary) and also to show whether the confirmation number is synchronous or asynchronous.

```
<Confirmation:Numbers>
  <Confirmation:Number NumberSource="Court" NumberType="Synchronous"
    OrganizationKey="USCASacramentoSuperior">>13474</Confirmation:Number>
</Confirmation:Numbers>
```

```
<Confirmation:Numbers>
  <Confirmation:Number NumberSource="Court" NumberType="Asynchronous"
    OrganizationKey="USCASacramentoSuperior">13474</Confirmation:Number>
</Confirmation:Numbers>
```

Additionally, multiple confirmation numbers can be included in Confirmation XML. While a court would only send one confirmation number of a given type in Confirmation XML, and intermediary application is now able to add a confirmation number from its system.

In CCMS, the transaction number is used for both the synchronous and asynchronous confirmation number and is distinguished using the **NumberType** attribute value as well as a prefix on the number (e.g., CMSSYNC\_ or CMSASYN\_).

```
<Confirmation:Numbers>
  <Confirmation:Number NumberSource="Court" NumberType="Synchronous"
    OrganizationKey="USCASacramentoSuperior">CMSSYNC_13474</Confirmation:Number>
  <Confirmation:Number NumberSource="Intermediary" NumberType="Synchronous"
    OrganizationKey="xmlLegal">00001928</Confirmation:Number>
</Confirmation:Numbers>
```

```
<Confirmation:Numbers>
  <Confirmation:Number NumberSource="Court" Type="Asynchronous" OrganizationKey="USCASacramentoSuperior">
CMSASYN_13474</Confirmation:Number>
  <Confirmation:Number NumberSource="Intermediary" Type="Asynchronous"
    OrganizationKey="xmlLegal">00002948</Confirmation:Number>
</Confirmation:Numbers>
```

### 1.5.2. New Confirmation Filing Status Held and Update ValueS (Test07)

Added **Held** and **Update** values to **Confirmation:FilingStatus** enumerated values.

CCMS does not support a **Held** status. CCMS supports an **Update** status.

### 1.5.3. New Sealed Element (Test06)

Filing 01 includes a **Filing:Confidential** element, defined as a request by the filer to the court to keep the filing confidential. There is a new requirement for a **Filing:Sealed** element. Filing 02 includes a **Filing:Sealed** element that is defined as a request by the filer to the court to seal the filing. This is a request by the filer only. The court is not required to grant the request.

Confirmation 02 includes the elements **Confirmation:Confidential** and **Confirmation:Sealed**. These elements are used by the court to confirm or deny whether the filers request was granted.

### 1.5.4. New Services Element (Test06)

A new **Confirmation:Services** element has been added as a container element to the existing **Confirmation:Service** element. This allows a court application to confirm more than one service event has been entered in CCMS. This element is not used in CCMS.

### 1.5.5. New Calendars Element (Test06)

A new **Confirmation:Calendars** element has been added as a container element to the existing **Confirmation:Calendar** element. This will allow a court application to confirm or report more than day of calendar events. CCMS will not accept request for calendaring events via Filing XML, but will send back a single event in Confirmation XML.

### 1.5.6. New FeeTotal Attribute On Confirmation:Fees Element (Test06)

A new **FeeTotal** attribute has been added to the **Confirmation:Fees** element. This element is required and must be used regardless of the payment method.

### 1.5.7. New Message Schema and Related Elements (Test07)

A new **Message** schema has been added. A **Confirmation:Messages** (plural) element has been added as a container element for **Confirmation:Message**. **Confirmation:Message** has been changed from *xsd:string* to a **Message**. The **Message** schema includes **Message:Subject** and **Message:Body**. See section 1.1.5., above, for examples.

As part of this change, the **Memo** simpleType was deleted, since it is no longer in use.

### 1.5.8. New Confirmation Errors Element (Test06)

A new **Confirmation:Errors** element has been added as a container element for **Confirmation:Error**. A new Error schema has been created that includes element for structured error messages. The **Confirmation:Error** element is of type **Error**.

## 1.6. Credit Card (Test06 and Test07)

The **CreditCard** schema that currently exists as a subschema of the Filing 01 primary schema has been used in the Policy 02 primary schema as well. As a result of its common use, the **CreditCard** schema has been moved to the BuildingBlocks schema directory.

## 1.7. Document (Test06 and Test07)

This section describes change to the **Document** schema:

### 1.7.1. New Draft Document Attribute (Test06)

A new **Draft** attribute on the **Document** element has been added as a boolean value. The default value is `false`. If set to `true`, it means that the document filed is meant as a draft document for the court's use and is not meant as a final document. For example, attorneys are often required to submit draft orders to the court for the judges review and signature. It is convenient to file the draft orders into the court in the same way that other documents enter the court. It is also convenient for the clerk review application to understand that the document is meant as a draft.

Use of the **Draft** attribute is governed by the **DocumentVersions** attribute on the **MIMETYPE** element in Policy XML. This element allows the court to publish the MIME types it will accept as final documents, draft documents, and exhibits.

This attribute is not supported by CCMS.

### 1.7.2. Document Source Attribute Added (Test07)

A new required **DocumentSource** attribute has been added with values `Court` or `Filer` to designate whether the document is filer initiated or court initiated. This is for use in Confirmation XML and makes clear whether the confirmed document was originally filed or added by the court to the confirmation.

### 1.7.3. New Exhibits and Exhibit Element (Test07 and 02)

CCMS does not support Exhibits as defined in this section. Readers who are only interested in the CCMS implementation are encouraged to skip this section.

In the 2GEFS 01 schemas, there was ambiguity between the idea of an "attachment" and an "exhibit" in the context of a subordinate document's association with a "lead document." A lead document is the primary and most important document in a filing. Examples of a lead document would be a complaint, an answer, a motion, or an order. Very often, the lead document is accompanied by other documents that are separate and distinct documents but that are not the primary and most important

document. For example, a complaint is usually filed with a summons. A motion is often filed with a proof of service or points and authorities. These are related, stand-alone documents.

At the same time, it is possible for a complaint to include **exhibits** that are appended at the end of the complaint document. For example, a complaint might include a contract as an exhibit (the contract being the basis for the complaint, but not otherwise a document type that would be filed into the court as a lead document or as an attachment). These exhibits are separate documents themselves<sup>1</sup>, but are relevant only in the context of the document to which the exhibit is attached.

In Filing 01, there are **Filing:Attachments** and **Filing:Attachment** elements. These elements must be used in Filing 01 to express both an attachment, as described in the first paragraph above (e.g., a summons or a proof of service) and an exhibit, as described in the second paragraph above (e.g., a contract upon which the complaint is based).

To eliminate this ambiguity, in Filing 02 the **Document** schema includes new attributes **Exhibit** and **PrimaryDocumentKey**. If the **Exhibit** attribute is set to `true`, then it means the document is meant to be an exhibit of another document. If the **Exhibit** attribute is set to `true`, then the **PrimaryDocumentKey** attribute is required and should hold the value of the **Document:Key** to which the exhibit refers.

The Filing 02 specification provides that filing applications can either (a) delimit (separate) exhibits as separate electronic files or (b) include exhibits in the same electronic file as the lead document (i.e., a PDF document that is a complaint might include a 10 page complaint, a two page exhibit, and another three page exhibit, to create an electronic file that is 15 pages). As a result, Policy 02 includes an element that allows a court to state whether it wants exhibits delimited, included in the same electronic file, or no preference. As is the case now, attachments must always be separated from the lead document.

Use of exhibits is also governed by the **DocumentVersions** attribute on the **MIMETYPE** element in Policy XML. This element allows the court to publish the MIME types it will accept as final documents, draft documents, and exhibits.

In Filing Test06, a **Document:Exhibit** element and a new **Exhibit** schema were created for the same purpose. These have been eliminated in Filing 02 in favor of the attributes solution mentioned above.

---

<sup>1</sup> Usually such documents would have "Exhibit" as a document type. However, the title of the document might be "ABC, Inc. and XYZ, Inc. Joint Venture Agreement."

### 1.7.4. Document Key Legacy Key Attribute Added (Test06)

A new **LegacyKey** attribute has been added to the **Document:Key** element for situations where the court wishes to assign its own unique identifier to the document for use in future communications.

This attribute is not used in CCMS.

### 1.7.5. Added Filed By and Refers To (Test07)

Singular and plural element for “filed by” and “refers to” have been added. These elements are used to associate a document with the parties that are named in its caption (e.g., plaintiffs are “filed by” and defendants are “referred to”). *This information is required for CCMS e-filing.*<sup>2</sup>

The elements **Document:FiledBys** (plural), **Document:FiledBy**, **Document:RefersTos** (plural), and **Document:RefersTo** have been added. The singular elements are of type *xsd:IDREF* and are required to point to a **Role:Qualifier** value of a Person or Organization in the Filing XML.

The “filed by” party or parties are litigants named on the caption of the document. A “filed by” party would not, for example, be an attorney for a litigant, since the attorney is not a named party (litigant) to the case.

The following outline illustrates the logic:

- Person 1
  - Role Name: Plaintiff
  - Role Qualifier: P1
- Person 2
  - Role Name: Plaintiff
  - Role Qualifier: P2
- Person 3
  - Role Name: Defendant
  - Role Qualifier: D1
- Organization 1
  - Role Name: Defendant
  - Role Qualifier: D2

---

<sup>2</sup> This section requires elaboration and is subject to change.

- LeadDocument
  - FiledBy
    - FiledBy - P1
    - FiledBy - P2
  - RefersTo
    - RefersTo - D1
    - RefersTo - D2
- Attachment - POS – 1
  - FiledBy
    - FiledBy - P1
    - FiledBy - P2
  - RefersTo
  - RefersTo - D1
- Attachment - POS – 2
  - FiledBy
    - FiledBy - P1
    - FiledBy - P2
  - RefersTo
    - RefersTo - D2

### 1.7.6. New Username, Password, Encrypted, Algorithm, Expiration Attributes (Test06)

CCMS does not support “links” as a method to send documents; CCMS only supports Base64 encoding. As a result, the attributes described in this section are not relevant to CCMS. Readers who are only interested in the CCMS implementation are encouraged to skip this section.

New attributes ***Username***, ***Password***, ***Encrypted***, ***Algorithm***, and ***Expiration*** have been placed on the **Document:File** and **Document:DataFile** elements. These attributes allow sending applications to send authentication information that can be used by an EFM or an EFSP to download files from links sent in the **Filing XML** or in **Confirmation XML**. If used, this would eliminate the need for EFMs

to store username and password information necessary to log into the filing application's server to download files. Instead, the receiving application would gather the authentication information from the Filing XML or Confirmation XML itself and use the authentication information to download resources at the links.

If the user name and password are encrypted, the **Encrypted** attribute would be set to true and the **Algorithm** attribute would require a value. The algorithm selected for use and its value would need to be agreed among exchange partners prior to use in a filing transmission.

The **Expiration** attribute would allow the filing application to inform the EFM when the username and password are meant to expire. After the expiration date, the files would not be required to be available.

### 1.7.7. Encoding Attribute Changed from Optional to Required And Value Added (Test06 and Test07)

In the existing **Document** schema, the **Encoding** attribute on the **Document:File** and **Document:DateFile** elements are optional. The **Encoding** attributes have been changed from optional to required.

Additionally, new values `Path` and `Absent` have been added for **Document:File @Encodings**, in addition to the existing values: `Base64` and `Link`. `Path` is used to distinguish between a `Link`, which would be a URL and a local or relative path to a resource (this can be used, for example, when filing documents and Filing XML on a CD-ROM). `Absent` is used to allow Confirmation XML (only) to include metadata about a document previously filed, without sending the document itself.

### 1.7.8. New FileSize Attribute (Test06)

A new **FileSize** attribute has been added to the **Document:File** element so that applications downloading documents from links can know the size of the file to expect and estimate the time it will require to download the file. Additionally, if the entire file does not download, the application can retry.

### 1.7.9. New Document Confidential and Sealed Elements (Test06)

Filing 01 includes a **Filing:Confidential** element defined at the filing level that applies to the entire filing. There is a new requirement for a **Filing:Sealed** element, described above in Section 1.1.1. There is an additional new requirement for a **Document:Confidential** and a **Document:Sealed** element. The distinction between **Filing:Confidential** and **Filing:Sealed** at the *filing level* and **Document:Confidential** and **Document:Sealed** at the *document level* is that those elements at

the filing level are meant to apply to the entire filing, while the elements at the document level are meant to apply only to a specific document within the filing.

CCMS only support sealed documents at the filing level, not at the document level.

### 1.7.10. Changed Data File Element for Plug-In XML (Test07)

The existing **Document:DataFile** element has been changed from *xsd:string* to *xsd:any*. Previously, *xsd:string* was used so that any format of data file could be passed. The new *xsd:any* data type allows only XML data files. Attributes on this element have been removed.

The **Document:DataFile** element is used for Document Type Plug-In XML. See Section 5 for more information about Document Type Plug-In XML.

### 1.7.11. New Message Schema (Test07)

A new **Message** schema has been added to the Document schema. The element **Document:FilingMessage** has been changed from type *xsd:string* to type **Message**.

### 1.7.12. Deleted Document Dates and Times (Test07)

The elements **Document:Dates**, **Document:Date**, **Document:Time**, and **Document:Time** have been deleted.

### 1.7.12. Deleted Page Schema

The **Page** schema was deleted because it has not been used.

### 1.7. Envelope (Test06)

The **Notice** schema and **Notice** element have been added to support electronic notice (eService).

Notice (eService) is not supported in CCMS.

### 1.8. Exhibit (Added in Test06 and Deleted in Test07)

Changes have been made to mirror changes made to the **Document** schema. Values not present in the **Exhibit** schemas would be inherited from the parent document.

### 1.9. Header (Test07)

To the **Header** schema **Header:URI @Protocol** attribute has been added with values HTTP, HTTPS, FTP, SMTP, SOAP, SOAPS, Fax, Postal, and Media, primarily to distinguish HTTP from SOAP URIs.

This attribute is not supported by CCMS.

### **1.10. Message (Test07)**

A new **Message** schema has been created. The schema includes **Message:Subject** and **Message:Body** elements.

### **1.11. Notice (Test06)**

Added a new **Notice** schema to support electronic notice (eService).

Notice (eService) is not supported in CCMS.

### **1.12. Page (Deleted)**

The page schema has been deleted and removed.

### **1.13. Payment (Test07)**

The following changes were made to the Payment schema:

#### **1.13.1. Payment Credit Card Made Optional**

Made **Payment:CreditCard** element optional.

#### **1.13.2. Added Account Number Attribute**

Added attribute **AccountNumber** to Payment element. This attribute is not supported by CCMS.

#### **1.13.3. Added Bill to Service Provider Attribute**

Added attribute **BillToServiceProvider** to Payment element. This attribute is not supported by CCMS.

#### **1.13.4. Changed Payment Total to Decimal Value**

Changed **Payment:Total** from *xsd:string* to *xsd:decimal*. This element is used by CCMS.

#### **1.13.5. Changed Payment Not to Exceed Decimal Value**

Changed **Payment:NotToExceed** from *xsd:string* to *xsd:decimal*. This element is supported by CCMS.

## **1.14. Service (No Changes)**

No changes.

## 2. Policy

This section describes changes that will be made to Policy 01 primary schema and the sub-schemas of the Policy 01 schema.

### 2.1. Policy Schema

#### 2.1.1. Changed Major and Minor Version Number (Test06 and Test07)

The Policy 01 schema has a **Policy:Version** element that has a **Policy:MajorVersion** and two **Policy:MinorVersion** elements as children elements. The schema has been changed so that the **Policy:MinorVersion** element appears only once but is defined as having a `minOccurs = 2` and a `maxOccurs = 2`. This schema change does not change the way in which the schema validates Policy XML.

Changed **Policy:MajorVersionNumber** and **Policy:MinorVersionNumber** to be of types `VersionNumber`, which allows only a single digit for each number.

#### 2.1.2. Publication and Expiration Dates and Hours (Test06)

These rules are not supported by CCMS.

The elements **Policy:PublicationHour** and **Policy:EffectiveHour** have been added. The element **Policy:ExpirationDate** has been removed. The rules for publication and expiration of court policy have been significantly changed. Please see the 2GEFS documentation.

#### 2.1.3. New Test Credit Card Number (Test06)

This element is not supported by CCMS.

In implementations that use credit cards processed by the court, there is a requirement for testing the credit card system using a fake credit card number. The fake credit card number is usually a fixed number, known to the court, provided by the court's credit card processor. In Policy 02, there is a new element **Policy:TestCreditCard** defined by the **CreditCard** schema. This new element will include the details of the fake credit card.

The **CreditCard** schema was previously used only in the Filing 01 schema. It has become a **BuildingBlock** schema because it is now commonly used by both Filing 02 and Policy 02.

### 2.1.4. New Maximum Document Size (Test06)

The Policy 01 schema includes a **Policy:MaximumFilingSize** element that allows the court to publish a limitation on the maximum size of the entire Filing XML. The element is meant to limit the total size of the Filing XML and is not meant to limit the size of a single document contained in or linked from the Filing XML.

The **Policy:MaximumFilingSize** element is useful when sending base64 encoded documents within the Filing XML. However, the element is meaningless when using links in the Filing XML that point to resources (i.e., electronic documents) outside the Filing XML. When using links, there is a need to limit the size of an individual document. Accordingly, Policy 02 includes a new element called **Policy:MaximumDocumentSize** that will limit the size of an individual document.

### 2.1.5. New MIME Type Version Qualifier (Test06)

The **Policy:MIMETYPE** element is supported in CCMS Policy XML; however, the version qualifier attribute is not.

There is a new requirement for a version qualifier on the **Policy:MIMETYPE** element. The purpose of this qualifier is to allow or limit different versions of certain MIME types. For example, Adobe PDF documents have a number of versions (e.g., 4, 5, 6, and 7). Some tools do not function properly, for example, with Adobe Acrobat PDF version 7. There is currently no Internet standard for versioning MIME types. That is, the MIME type `application/pdf` does not have a means of expressing `application/pdf version 7`. This element has been included based on requests by 2GEFS users. Courts that use this element will need to agree on the format and meaning of values that are used in the new version qualifier.

### 2.1.6. New Delimit Exhibits Element (Test06)

This element is not supported by CCMS.

The new **Document:Exhibit** element in Filing 02 requires an element in Policy 02 that allows a court to specify whether it wants exhibits delimited from the document with which the exhibits are associated, whether it does not want exhibits delimited, or whether it has no preference. A new element **Policy:DelimitExhibits** has been added to Policy 02 for this purpose.

### 2.1.7 Time Zone Offset (Test07)

This element is not supported by CCMS.

Two new elements **Policy:UTCOffset** and **Policy:UTCOffsetDaylightSavings** have been added so a court can public the time zone offset in which it exists for standard time and daylight savings time.

### **2.1.8 Associated Policies (Test07)**

This element is not supported by CCMS.

New elements **Policy:AssociatedPolicies** and **Policy:AssociatedPolicy** have been added to allow policies for a single court to be federated into different files.

### **2.1.9. New Unstructured Human Policy Element (Test06)**

This element is not supported by CCMS.

A element **Policy:HumanPolicy** has been created that enables a court to publish policy statements that are not intended for machine consumption. These policy statements structured as human-readable text. The expectation is that these statements would be transformed from XML into a styled format, such as HTML, Word, PDF, or the document format.

### **2.1.10. Added Path and Absent Values to Encodings Simple Type**

This element is not supported by CCMS.

The values `Path` and `Absent` have been added to the `Encodings` simpleType to be in harmony with the values added to the Document schema.

### **2.1.11. Added and Harmonized ReplyToProtocols**

This element is not supported by CCMS. CCMS only supports HTTPS. CCMS does not support HTTP or any form of SOAP as a reply to protocol.

Additional `ReplyToProtocols` have been added with values `HTTP`, `HTTPS`, `FTP`, `SMTP`, `SOAP`, `SOAPS`, `Fax`, `Postal`, and `Media`, primarily to distinguish HTTP from SOAP URIs. These protocols are now also in harmony with the protocols listed in the **Header** schema.

## **2.2. Associated Policy (Test07)**

A new **AssociatedPolicy** schema has been created to allow the federation of court policies. This schema is not supported by CCMS.

## **2.3. Code Table**

### **2.3.1. Codified Table Names (Test07)**

A new required attribute **CodifiedName** has been added to the **CodeTable** element. This attribute takes enumerated values from a new simpleType **CodifiedNames**. This allows policy developers to use standard names. A value **Other** is included for names that do not match any codified name.

### **2.3.2. Replaced Filer Elements with Filter Schema (Test07)**

A new **Filter** schema has been added to the **CodeTable** schema. The **CodeTable:FilterName** and **CodeTable:FilterValue** elements have been deleted and replaced with the new **Filter** schema. This element is not supported by CCMS.

### **2.3.3. Uses Enumeration Changed (Test06)**

An enumerated value for **CodeTable:Uses** has changed from **Prohibited** to **Private**. This element is not supported by CCMS.

## **2.4. Code (Test07)**

A new **Filter** schema has been added to the **Code** schema. The **Code:FilterName** and **Code:FilterValue** elements have been deleted and replaced with the new **Filter** schema.

The element **Code:Include** has been made optional. This element is not supported by CCMS.

## **2.5. Contact (No Change)**

No changes.

## **2.6. Court Division (No Change)**

No changes.

## **2.7. Exchange (No Change)**

No changes.

## ***2.8. Hours of Operation***

### **2.8.1. Title and Notes for Days (Test07)**

A new **HoursOfOperation:Title** element has been added. The **HoursOfOperation:Title** element and the existing **HoursOfOperation:Note** element have been added as children of the **HoursOfOperation:Day** element to provide the ability to insert notes about a given day or a given calendar.

### **2.8.2. Support for Multiple Opening Hours on Same Day (Test07)**

There is a new requirement to accommodate a second set of hours on the same day (e.g., Orange County night traffic court). The previous schema limited the number of days to seven days, which only allowed one opening for each day of the week. The updated schema allows an unlimited number of **HoursOfOperation:Day** elements, which allows multiple openings per day.

## ***2.9. Human Policy (Test06)***

A new **HumanPolicy** schema has been added to accommodate court policy statements that are intended for human consumption.

## ***2.10. Payment***

No changes.

## 3. Building Blocks

This section lists changes that have been made to the building block schemas. The building block schemas are used in more than one 2GEFS primary schema.

### 3.1. Address (Test06 and Test07)

The following changes have been made to the **Address** schema:

#### 3.1.1. Notice Priority Attribute Added

A new attribute **NoticePriority** has been added to support electronic service. Notice (eService) is not supported in CCMS.

#### 3.1.2. New Mailing Enumerated Value Added to Address Type

An additional enumerated value `Mailing` has been added for **AddressType** to harmonize with CCMS address. In CCMS, the mailing value is the address where the addressee wants his/her mail to arrive. The value `Other` remains, but is not used in CCMS.

#### 3.1.3. Added New Address Directional Element

A new element **Address:Directional** has been added to harmonize with CCMS. In CCMS, this is a drop down value. The drop down values will be specified in CCMS Court Policies.

#### 3.1.4. Added New Address Descriptor Element

A new element **Address:Descriptor** has been added to harmonize with CCMS. This is a text field that would come before a street address. This can be any text that would appear in an address, such as a building name.

#### 3.1.5. Changed Order of Existing Address Building Name Element

The order of the existing element **Address:BuildingName** has been changed in the schema. This schema change, however, should not affect validation, because the elements are within an *xsd:all* element.

#### 3.1.6. Added New Province Attribute to Address State Element

A new attribute **Province** has been added to the **Address:State** element as an *xsd:boolean* value. If the **Province** attribute is set to True, then it means the data in the **Address:State** element represents a province, not a U.S. state. If the Province attribute is set to False or is absent, then the

**Address:State** (in CCMS) represents a U.S. state. In CCMS, there are no drop down values for Province. In CCMS, there is an enumerated list of U.S. states that exist in Policy XML.

### **3.2. Court Details (Test07)**

The changes described in this section have been made to the **CourtDetails** schema.

#### **3.2.1. Added New Court Details Department Element**

A new **CourtDetails:Department** element has been added between **CourtDetails:Group** and **CourtDetails:Location**. This is intended to provide an additional level when describing a court hierarchy. This element is not supported in CCMS.

#### **3.2.2. New Code and Number Attributes Added to Several Court Details Elements**

Two new attributes **Code** and **Number** have been added to **CourtDetails:Division**, **CourtDetails:Subdivision**, **CourtDetails:Group**, **CourtDetails:Location**, **CourtDetails:Department**.

### **3.3. Credit Card (Test06)**

#### **3.3.1. Changed Credit Card to Building Block Schema**

A new **CreditCard** schema has been added to the **Building Block** schemas. This schema will have a version 02 to be consistent with other **Building Block** schemas which are also using version 02. The previous 01 version existed as a subschema to the **Filing** schema.

#### **3.3.2. Changed Number of Digits for Credit Card Security Code**

Changed the number of digits for the **CreditCard:SecurityCode** element to support four digit security codes. Previously, only three digit security codes were supported.

### **3.4. Email (Test06)**

A new attribute **NoticePriority** has been added to support electronic service.

### **3.5. Error (Test06)**

New **Error** schema has been created for structured error messages returned in Confirmation XML.

### 3.6. Extension (No Change)

No changes.

### 3.7. Fee (Test06 and Test07)

The following changes have been made to the **Fee** schema:

#### 3.7.1. New Fee Amount in Controversy and Fee Jurisdictional Amount Filters Added

These elements are not supported in CCMS.

It is possible for a fee to be inapplicable if the amount in controversy (**Case:AmountInControversy**) or jurisdictional amount (**Case:JurisdictionalAmount**) is over or under a specified amount. A new **Fee:AmountInControversy** element and **AmountThreshold** attribute and a new **Fee:JurisdictionalAmount** element have been added to the **Fee** schema to allow applications to filter filing fees based on the amount in controversy or jurisdictional amount specified by the filer. A new **JurisdictionalAmounts** simpleType has been added with values `$1 to $10,000`, `$10,000 to $25,000` and, `Over $25,000`.

#### 3.7.2. New Value Type Attribute Added to Fee Document Types Element

A new **ValueType** attribute has been added to the element **Fee:DocumentTypes** with enumerated values `Name`, `Alias` and, `Code` specified as **ValueTypes**. This provides a means to tell whether the document type to fee association with the **Code:Name**, **Code:Alias**, or **Code:Value** element from the document type court policy table.

This attribute is not supported in CCMS.

#### 3.7.3. New Fee Case Types Filter Added

Added **Fee:CaseTypes** and **Fee:CaseType** elements to provide an additional filter mechanism based on the case type.

These elements are not supported in CCMS.

#### 3.7.4. Added Filter Schema for Generic Filters

Added Filter schema and **Fee:Filters** and **Fee:Filter** element as type **Filter**. Filter mechanism (same as on code tables).

These elements are not supported in CCMS.

### 3.7.5. Changed, Deleted, and Re-ordered Elements

A number of deletions and changes in order were made to the fee schema to make it smaller and easier to use. These changes are listed and illustrated as follows:

1. Deleted **Fee:Cost**, **Fee:CodeSection**, **Fee:Name**, **Fee:Description**, and **Fee:Descriptions** elements.
2. Changed **Fee:FullName** to **Fee:Name**.
3. Changed **Fee:FirstPage** to **Fee:Cost**.
4. Reordered elements (**Name**, **Alias**, and **Value**) to match the order in the **Code** schema.

Previous order:

```

<xsd:complexType name="Fee">
  <xsd:sequence>
    <xsd:element ref="CourtKeys"/>
    <xsd:element ref="FullName"/>
    <xsd:element ref="Currency" minOccurs="0"/>
    <xsd:element ref="Alias" minOccurs="0"/>
    <xsd:element ref="Category" minOccurs="0"/>
    <xsd:element ref="Subcategory" minOccurs="0"/>
    <xsd:element ref="FirstPaper" minOccurs="0"/>
    <xsd:element ref="Descriptions" minOccurs="0"/>
    <xsd:element ref="FirstPage"/>
    <xsd:element ref="SubsequentPages" minOccurs="0"/>
    <xsd:element ref="EffectiveDate" minOccurs="0"/>
    <xsd:element ref="ExpirationDate" minOccurs="0"/>
    <xsd:element ref="LastUpdated" minOccurs="0"/>
    <xsd:element ref="Note" minOccurs="0"/>
    <xsd:element ref="DocumentTypes" minOccurs="0"/>
    <xsd:element ref="DocumentGenericTypes" minOccurs="0"/>
    <xsd:element ref="DocumentKey" minOccurs="0"/>
    <xsd:element ref="Include" minOccurs="0"/>
  </xsd:sequence>
  <xsd:attribute name="TotalPages" type="xsd:integer"/>
  <xsd:attributeGroup ref="Attributes:Global"/>
</xsd:complexType>

```

New order:

```

<xsd:complexType name="Fee">
  <xsd:sequence>
    <xsd:element ref="CourtKeys" />
    <xsd:element ref="Name" />
    <xsd:element ref="Value" />
    <xsd:element ref="Alias" minOccurs="0" />
    <xsd:element ref="Category" minOccurs="0" />
    <xsd:element ref="Subcategory" minOccurs="0" />
    <xsd:element ref="Currency" minOccurs="0" />
    <xsd:element ref="Cost" />
    <xsd:element ref="SubsequentPages" minOccurs="0" />
    <xsd:element ref="EffectiveDate" minOccurs="0" />
    <xsd:element ref="ExpirationDate" minOccurs="0" />
    <xsd:element ref="LastUpdated" minOccurs="0" />
    <xsd:element ref="Note" minOccurs="0" />
    <xsd:element ref="FirstPaper" minOccurs="0" />
    <xsd:element ref="CaseTypes" minOccurs="0" />
    <xsd:element ref="AmountInControversy" minOccurs="0" />
    <xsd:element ref="JurisdictionalAmount" minOccurs="0" />
    <xsd:element ref="DocumentTypes" minOccurs="0" />
    <xsd:element ref="DocumentGenericTypes" minOccurs="0" />
    <xsd:element ref="DocumentKey" minOccurs="0" />
    <xsd:element ref="Filters" minOccurs="0" />
    <xsd:element ref="Include" minOccurs="0" />
  </xsd:sequence>
  <xsd:attribute name="TotalPages" type="xsd:integer" />
  <xsd:attributeGroup ref="Attributes:Global" />
</xsd:complexType>

```

### 3.8. Key (No Change)

No changes.

### 3.9. Organization (Test06 and Test07)

The following changes have been made to the **Organization** schema:

#### 3.9.1. Added New Organization Key Attribute

Added **OrganizationKey** attribute to **Organization** element. This attribute maps to the CCMS ID value.

#### 3.9.2. Added New Notice Attributes to Support eService

Added **NoticeType**, **NoticeRole** and, **NoticeSwitch** attributes to support eService. Notice (eService) is not supported in CCMS.

### 3.9.3. Modified Cardinality of Organization Alternate Name

In the old **Organization** schema, the **Organization:AlternateName** element can occur only once. The **Organization:AlternateName** has been changed to `maxOccurs = unlimited`.

### 3.9.4. Modified Cardinality of Contact Person

**Organization:ContactPerson** element changed from 0 or unlimited to 0 or 1.

### 3.9.5. Added Elements for Organization Web Addresses

Added **Organization:WebAddresses** and **Organization:WebAddress**.

## 3.10. Person (Test06 and Test07)

The following changes have been made to the **Person** schema:

### 3.10.1. Added Person Key Attribute

Added **PersonKey** attribute to the **Person** element. This attribute maps to the CCMS ID value.

### 3.10.2. Added New Notice Attributes to Support eService

Added **NoticeType**, **NoticeRole**, **NoticeSwitch**, **NoticeTypes** and **NoticeRoles** attributes to support eService. Notice (eService) is not supported in CCMS.

### 3.10.3. Added Person Contact Organization Element

Added **Person:ContactOrganization** element.

### 3.10.4. Added Elements for Person Web Addresses

Added **Person:WebAddresses** and **Person:WebAddress**. These elements are not supported in CCMS.

### 3.10.5. Added Alternate Name and Number to Person Alternate Name Element

Added **AlternateNameType** and **AlternateNameNumber** to the **Person:AlternateName** element. This has been done to satisfy a CCMS requirement for capturing the Secretary of State's number and expiration date for a person's "doing business as" name.

### 3.10.6. No Changes for Person Gender Element But Specific Rules for CCMS

**Person:Gender** element - no change was made. CCMS includes Male and Female values. 2GEFS includes Male, Female, Unknown, and Other.

### 3.10.7. No Changes for Person Eye Color Element But Specific Rules for CCMS

**Person:EyeColor** element – no change was made. CCMS includes Blue, Brown, Green, Hazel, Other. 2GEFS includes the CCMS values plus Black, Gray, Multicolored, Pink, and Unknown.

### 3.10.8. No Changes for Person Hair Color Element - Specific Rules for CCMS

**Person:HairColor** – no change was made. CCMS includes Blond, Brown, Black, Red and, Other. 2GEFS includes the CCMS values plus Blue, Gray, Green, Multicolored, Orange, Pink, Purple, Sandy, White, Bald and, Unknown.

### 3.10.9. Added Person Date of Death Element

The element **Person:DateOfDeath** was added as *xsd:date*.

### 3.10.10. Added Person Native American Element

The element **Person:NativeAmerican** was added as *xsd:boolean*.

### 3.10.11. No Changes for Person Citizenship and Occupation Elements - Specific Support in CCMS

The elements **Person:Citizenship** and **Person:Occupation** remain unchanged.

### 3.10.12. Added Person Language Spoken Element

The element **Person:LanguagesSpoken** was added as *xsd:string*.

### 3.10.13. Changed Person in the Military to Person Active Military Duty

The element **Person:InTheMilitary** was changed to **Person:ActiveMilitaryDuty** as *xsd:boolean*.

### 3.10.14. Added Person Has Special Needs Element

The element **Person:HasSpecialNeeds** was added as *xsd:boolean*.

### 3.10.15. Added Person Special Needs Element

The element **Person:SpecialNeeds** was added as Memo.

### 3.10.16. Added State Attribute to Person Bar Number

The attribute **State** was added to **Person:BarNumber**. In CCMS, this is the same list of states used for the Address and can use the same Court Policy table.

## 3.11. Phone (Test06)

### 3.11.1. Added Notice Priority Attribute to Support eService

A new attribute **NoticePriority** has been added to support electronic service. Notice (eService) is not supported in CCMS.

### 3.11.2. Changed Minimum and Maximum Lengths for Phone Country Code, Area Code, Number and Extension

The Min and Max lengths for **Phone:CountryCode**, **Phone:AreaCode**, **Phone:Number** and **Phone:Extension** were removed.

## 3.12. Role (No Change)

No changes.

## 3.13. Thing (Test06 and Test07)

The following changes have been made to the **Thing** schema:

### 3.13.1. Added Thing Key Attribute

Added **ThingKey** and notice attributes and notice simpleTypes with enumerations.

### 3.13.2. Added Notice Attribute for Support of eService

Added **NoticeType**, **NoticeRole**, **NoticeSwitch**. **NotesTypes** and **NoticeRoles** simpleTypes to support eService. Notice (eService) is not supported in CCMS.

### **3.14. Web (Test06)**

A new **Web** schema has been added to allow web addresses to be associated with people and organizations.

## 4. Case Type

There are sixteen (16) case type plug-in schemas. Instances based on these schemas are included in the **Case:DataFile** element on case initiation for certain case categories and case type combinations. The case category/type combinations are identified in Policy XML using a court key. The plug-in schema's namespace is associated with the court key in Policy XML tables.

The case type plug-in schemas are available at:

<http://www.xmllegal.org/Schema/Court/US/California/2GEFS/CCMS/DataFiles/Civil/Civil.zip>

<http://www.xmllegal.org/Schema/Court/US/California/2GEFS/CCMS/DataFiles/Probate/Probate.zip>

## 5. Document Type

There are eight (8) document type plug-in schemas. Instances based on these schemas are included in the **Document:DataFile** element based on the case categories, case type, and filing document type (2GEFS “generic type”) combinations. The case category/type combinations are identified in Policy XML using a court key. The plug-in schema’s namespace is associated with the court key and the filing document type (2GEFS “generic type”) in a Policy XML table.

The document type plug-in schemas are available at:

<http://www.xmllegal.org/Schema/Court/US/California/2GEFS/CCMS/DataFiles/Documents/Documents.zip>

## 6. Other Schemas

The following new schemas were added in June 2005 (as part of Test06), but are not document here:

1. Notice
2. Notice List
3. Policy Index
4. Civil Case Coversheet

A new version of Request-Response schemas were published in June 2005, but are not documented here.