



Service Description Document: CCMS Data Exchange FSC901

COURT SENDS VIOLATION AND BAIL
SCHEDULE UPDATE NOTIFICATION
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Revision History

Version	Date	Author	Description of Changes
1.0.0	June 2011	M. West	First release

Reference Documents

Version	Date	Document Title	Author
9.0	June 2011	ISB and CCMS Data Exchange Overview	Deloitte Consulting
9.0	June 2011	Data Exchange Functional Design Guidelines	Deloitte Consulting
2.0	September 2011	Data Exchange Common Technical Requirements	AOC
1.0.0	September 2011	FSC901 Data Exchange Specifications	Deloitte Consulting/AOC/SEARCH
9.0	July 2011	CCMS Data Exchange Errors	Deloitte Consulting
1.0	July 2010	Court Policy File Overview	AOC
N/A	September 2011	AOC Codes	AOC/SEARCH
1.0	September 2011	Local Integration Assessment Methodology (LIAM)	AOC
2.0	June 2010	LIAM Light	AOC

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1.0 Executive Summary

1.1 Purpose

The purpose of this document is to provide integration partners with descriptive information regarding the context and business processes when preparing to implement data exchanges with the California Court Case Management System (CCMS). This document details the exchange content requirements and related business requirements needed for a trial court to send violation and bail schedule updates to an integration partner when updates have been processed by a trial court.

Integration partners most likely to receive these updates are:

- Attorney General
- City attorney
- County jails
- District attorney – adult
- District attorney – juvenile

This document reflects agency business rules and policies that have a direct impact on the system interactions among court and integration partners. This is a companion to the exchange specifications contained in the exchange eXtensible Markup Language (XML) schemas, Web Service Description Language (WSDL) files, and the “*CCMS Data Exchange Common Technical Requirements*,” and should be reviewed along with those documents when preparing for deployment. The XML schemas, WSDLs, and Common Technical Requirements provide specific technical details regarding message structures and implementation requirements, including infrastructure, security, and deployment information. Collectively, these documents provide all of the information an integration partners requires to send and receive data with CCMS for this exchange.

The information contained here compiles court-specific information from a number of AOC documents and resources, including the “*CCMS Data Exchange Functional Design*,” “*CCMS Core Application Functionality*,” and the “*CCMS Technical Architecture*.” The content of this Service Description Document provides integration partners with a concise, detailed explanation of data exchange content and related business processes, and includes the following topics:

- Exchange description
- Events and conditions
- CCMS business processes and rules
- CCMS data requirements
- Message patterns

- Exceptions, acknowledgements, errors
- Other descriptive information

This document is based on the [Global Justice Reference Architecture's Service Specifications Guidelines](#)¹.

Prior to implementing data exchanges with CCMS, it is strongly advised that each integration partner participate in a readiness assessment prepared by the AOC in partnership with the courts. This assessment, called the “*Local Integration Assessment Methodology (LIAM)*,” consists of four phases that provide integration partners and the courts with necessary information prior to implementation activities. Figure 1 describes this process in more detail.

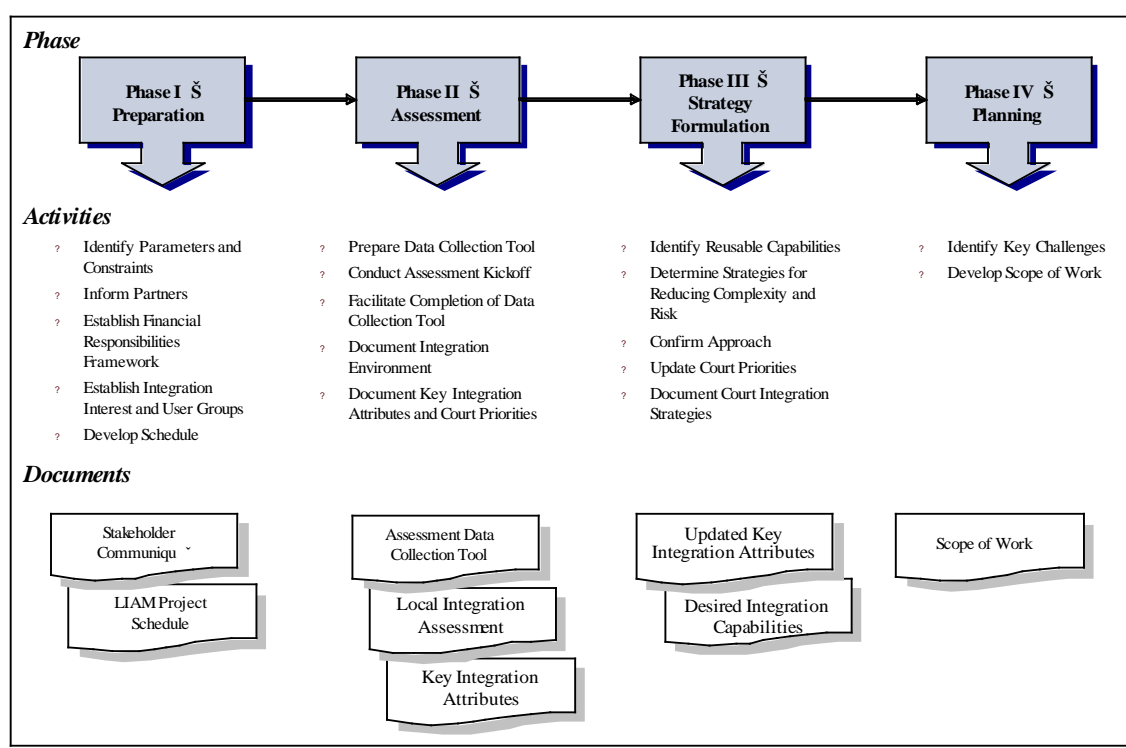


Figure 1. Implementation Phases

Alternatively, an integration partner can choose to participate in the “*LIAM Light*” assessment, which focuses on replacing existing electronic exchanges instead of automating new exchanges.

After CCMS is deployed with the replaced existing exchanges, integration partners may want to use the full LIAM to assess other business processes that can be automated using other exchanges.

¹ <http://www.it.ojp.gov/default.aspx?area=nationalInitiatives&page=1015#RefSSPs>

1.2 Audience

Audiences for this document are subject matter experts (SMEs) and technical staff, who need to understand how this data exchange works in order to implement it between an integration partner and CCMS. Known audiences include:

- Integration partner CCMS Data Exchange Implementation Team
- CCMS Deployment Team
- AOC Data Integration staff, including business analysts, developers, and architects, etc.
- Integrated Services Backbone (ISB) vendors
- CCMS vendors
- Court CCMS project managers and SMEs

1.3 CCMS Data Exchange Overview

As part of the CCMS project, 121 data exchanges servicing all case types were developed to enable courts and their integration partners to exchange information using CCMS. Sixty-three exchanges are based on data exchange standards established in the [National Information Exchange Model](#)² (NIEM), and 58 exchanges are based on California judicial branch XML schema. It is important to note that each of the 121 exchanges is actually a set of exchanges that includes individual exchanges for Request, Response, and Error Handling. A complete list of CCMS data exchanges is available on the [Integration Partners website](#)³.

1.4 Assumptions

The following is a list of current assumptions:

- Integration partners and courts have completed their LIAM process as a prerequisite to implementing data exchanges.
- Integration partners have a working proficiency with Web services and XML, and a basic understanding and knowledge of the NIEM structure and implementation concepts.

1.5 Risks

To date, there are no risks identified for this exchange.

² <http://niem.gov/>

³ <http://www.courts.ca.gov/partners/integration.htm>

1.6 Conventions Used in this Document

1.6.1 Exchange naming convention

During the data exchange development process, the AOC adopted a standard naming convention to describe the “action” of the exchange from the court perspective, and applied an alphanumeric categorization for various court functions. Each follows this format:

<Application>-<Interface Number><Interface Name>

Where:

- *Application* is CCMS
- *Interface Number* consists of code name of functional area (two or three letters (e.g., “DOJ” for Department of Justice-related data exchanges)), and a three-digit number:
 - If the first digit is “8” then CCMS is receiving the data from an integration partner.
 - If the first digit is “9” then CCMS is sending the data to an integration partner.
 - The remaining two digits identify the unique integer ID sequentially assigned to the data exchange.
- *Interface Name* is descriptive name of the data exchange.

Examples:

- CCMS-V4-DOJ802 Receive Disposition Error Report Notification
 - CCMS receives data from an integration partner.
- CCMS-V4-DOJ901 Send Initial, Subsequent Disposition Notification
 - CCMS sends data to an integration partner.
 - CCMS sends data to the integration partner.

2.0 Exchange Description

This section outlines the requirements and functional design for the FSC901 Send Violation and Bail Schedule Update Notification data exchange. A trial court uses this NIEM-based data exchange to send violation and bail schedule updates to an integration partner when updates have been processed by the trial court.

This data exchange does not include a functional success response message, but IPs may return an error response message to the court if an error is encountered.

2.1 Capabilities

This service provides the ability for a trial court (service consumer) to **send** violation and bail schedule updates to an integration partner (service provider).

2.2 Real World Effects

This service provides the ability for integration partners (service providers) to **receive** violation and bail schedule updates from a trial court (service consumer).

2.3 Related Forms and Exchanges

2.3.1 Business response exchanges

There are no additional or subsequent business response exchanges for this exchange.

2.3.2 Related exchanges

The related exchanges identify associated exchanges integration partners may use to modify, update, or complete a correlated business process.

- There are no related exchanges.

2.3.3 Related forms

“Related forms” refers to forms, reports, or other documents currently used by courts and integration partners for the types of documents that may be included in this data exchange. This list is not exhaustive and is not an authoritative list of documents replaced by the data exchange; it is only for informational purposes.

- There are no related forms.

2.4 Assumptions and Dependencies

The data exchange specification package includes a data mapping specification based on the NIEM and CCMS-specific definitions used in this exchange. Each integration partner is responsible for mapping, or performing data translations if necessary, for all content (including coded values) sent and received through this exchange.

3.0 Primary and Alternate Information Flows

This section provides a basic description of the exchange sequence and flow between an integration partner and CCMS; it explains the primary scenario for successful delivery and receipt of data exchange content, and the “alternate” flow of information for error and exception handling scenarios. Additional diagrams and descriptions of information flows are found in the *“Data Exchange Functional Design Guidelines.”*

3.1 Primary Flow

1. CCMS sends violation or bail schedule update information to the ISB.
2. The ISB receives the update information, performs schema validation, translates the message to the NIEM standard and forwards the update notification to the integration partner.
3. The integration partner receives the notification and performs business validations on the data exchange per the rules outlined in [Section 6.0, Additional Business Rules and Processes](#). If an error is encountered, the integration partner sends an error response to the ISB.
4. The ISB receives the error response, performs schema validation, facilitates data mapping to the California judicial branch XML schema standard, and forwards the error response to CCMS.
5. The CCMS receives and processes the response.

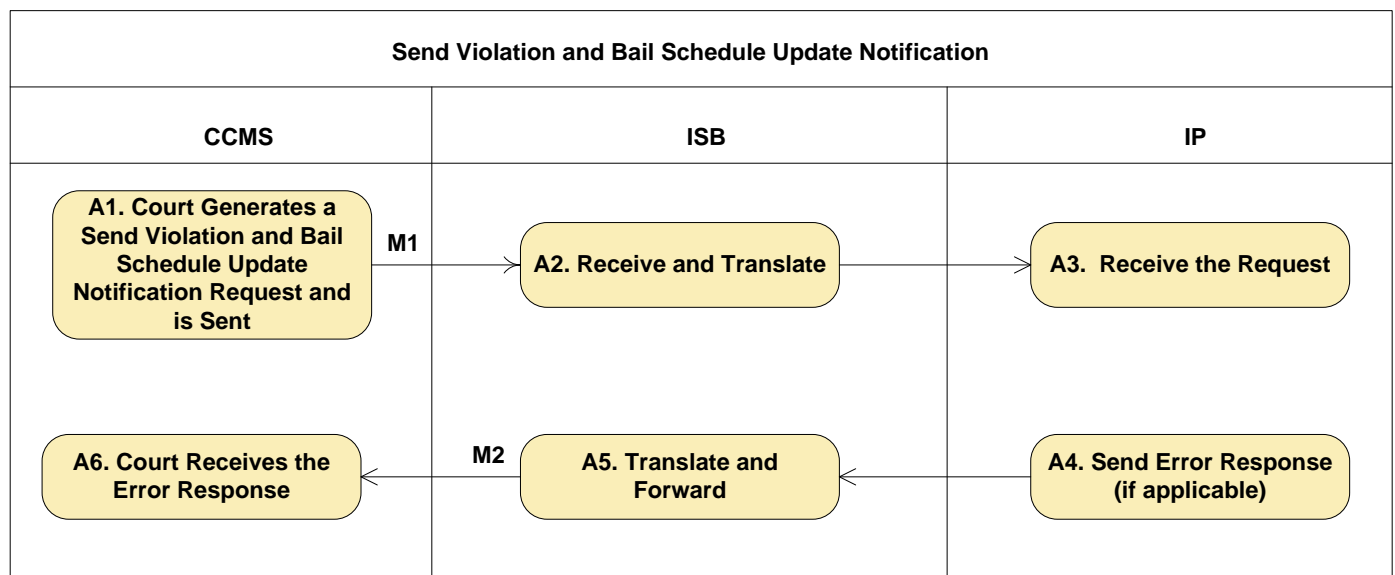


Figure 2. Court Sends Violation and Bail Schedule Update Notification Activity Diagram

3.2 Alternate Flow

This exchange includes three possible alternate flows, depending upon the nature of the problem.

- The ISB returned a positive acknowledgement to the source system (CCMS) and an exception occurs within the ISB, (e.g., schema validation) before the request is forwarded to the target system (integration partner). The ISB handles the exception and sends a response (containing the failure reason) to the source system (CCMS).
- The ISB returned a positive acknowledgement to the source system (CCMS), and an exception occurs when the ISB attempts to forward the request to the target system (integration partner). The ISB handles the exception and sends a response (containing the failure reason) to the source system (CCMS).
- The ISB forwards the request to the target system (integration partner) and receives a negative acknowledgement, (e.g., syntactic data error) from the target system. The ISB handles the exception and sends a response (containing the failure reason) to the source system (CCMS).

3.3 Messages

A data exchange message⁴ is a complete package of information sent between the courts and an integration partner. This exchange includes two distinct types of messages.

1. Request message
 - a. The Request message contains the violation or bail schedule information, (e.g., violation code, number of priors, bail schedule) sent by a court to an integration partner.
2. Response message
 - a. The Error Response message contains error and error description information indicating the violation or bail schedule request message was not successful and corrective action is required.

⁴ As defined in the Justice Reference Architecture v1.8 February 2010.

4.0 Exchange Context

This section provides integration partners with specific information regarding the context of the exchange.

4.1 Triggering Events

This data exchange is triggered when the trial court saves a violation (addition/update) to the CCMS.

- Conditions = The violation and/or bail schedule must be configured in CCMS.

4.2 Subsequent Events

The integration partner is notified and updates its system with the violation and/or bail schedule information.

- Conditions = None

5.0 Data Exchange Errors and Exceptions

The document titled “*CCMS Data Exchange Errors*” contains all exchange specific errors that may occur between an integration partner and CCMS. It includes three sections that list error codes, names, and descriptions for each type below.

- **Transient and Non-Transient Errors** may occur while the message is processed by the ISB.
- **Functional Errors** may occur while processing messages in the ISB or CCMS.
- **Transactional Errors** may occur while processing a message in CCMS according to the Business Rule validations identified in [Section 6.0 Additional Business Rules and Processes](#).

6.0 Additional Business Rules and Processes

This section contains additional business rules and process requirements for an integration partner to successfully send or receive information from CCMS. The content of this section reflects specific rules that either cannot or are not enforced in the technical specifications that accompany the onboarding documents, specifically the mapping spreadsheets, exchange schemas, and code schemas. Integration partners must rely on this information to produce and consume valid messages exchanged with CCMS.

6.1 Business Rules

Table 1. Business Rules

Referenced Element	Business Rule Description
Add Update Remove Charge Indicator	Allowable values are: <ul style="list-style-type: none"> • A = Add • U = Update • R = Remove
Age 10 Through 17 Flag Count	Age 10 Through 17 Indicator must be checked
Age 18 Through 20 Flag Count	Age 18 Through 20 Indicator must be checked
Age 21 Plus Flag Count	Age 21 Plus Indicator must be checked
Bail Category	Non-configurable values are: <ul style="list-style-type: none"> • 0 • 1 • 2 • 3 • 4 • 5
Bail Schedule Effective Date	Must be in correct date format
Bail Schedule Expiration Date	<ul style="list-style-type: none"> • Must be in correct date format • Must be on or after the effective date
Base Amount	Must be a valid dollar amount
Charge Effective Date	<ul style="list-style-type: none"> • Must be in correct date format • Cannot be a date in the past
Comments	Maximum number of characters is 255
Expiration Date	<ul style="list-style-type: none"> • Must be in correct date format • Cannot be a date in the past • Must be on or after the effective date

6.2 Allowable Values

This section provides additional information regarding individual allowable values for elements contained in this exchange. Essentially, allowable values come in two forms: AOC codes or Boolean types. This section includes subsections that list the elements by type with specific instructions for each type.

6.2.1 AOC code values

Table 2 contains element names and the corresponding AOC Code Schema Table name.

- The AOC Code Schema contains the actual coded values and descriptions required for each element used in this exchange.
- The AOC Code Schema is provided in the exchange schema file under the AOC Code folder.

Integration partners should refer to the AOC Code Schema for all element allowable values listed in this table.

As a reference, AOC created the “*AOC Codes*” document, which lists all AOC Code tables, values, and descriptions in alphabetical order. This document reflects the current values (i.e., at the time of this writing) and should not be used as the authoritative source for validation purposes.

Table 2. AOC Code Values

Element Name	AOC Code Schema Table Name
Charge Category	ChargeCodeSimpleType This exchange only allows the following enumerated values for this element: <ul style="list-style-type: none"> • Moving Violation = MOVG • Criminal Violation = CRIM • Equipment Violation = EQUP • Non-moving Violation = NMV • Other Rules/Regulations = ORR
Charge Type	SpecialAllegCodeSimpleType
Degree	ChargeDegreeCodeSimpleType
Offense Level	OffenseLevelCodeSimpleType This exchange only allows the following enumerated values for this element: <ul style="list-style-type: none"> • Felony = FLNY • Misdemeanor = MISD • Infraction = INFRA
Qualifier Code	BailScheduleQualifierCodeSimpleType
Violation Type	ViolationCodeSimpleType
Error Response	
Error Code	See “ <i>CCMS Data Exchange Errors</i> ” for a list of all errors.
Error Description	See “ <i>CCMS Data Exchange Errors</i> ” for a list of all errors.

6.2.2 Court configurable elements

Each local court has the ability to create, edit, and remove the allowable values for the following data elements within this exchange:

- Fee Type

- Qualifier Code
- Statute
- Violation Type

In practice, many of these values are standard across courts, but integration partners should contact their local court administrator for an authoritative list of the court-specific allowable values. These values will be contained in the Court Policy File, which describes specific court business and operational rules (e.g., hours of operation, code lists, and fee schedules) in a machine-readable format. The Court Policy File for each local court will be developed as part of the CCMS deployment of that court. Integration partners can learn more about the Court Policy File by referring to the “*Court Policy File Overview*.”

6.2.3 Indicator element allowable values

This exchange includes numerous ‘Indicator’ elements that provide additional information related to a specific condition or scenario. The following is a list of indicator elements contained in this exchange. The allowable values for each element must be either ‘true’ or ‘false; or ‘1’ = true or ‘0’ = false. Integration Partners should not rely on the exchange mapping spreadsheets for the indicator element allowable values, but rather the exchange schemas contained in the appropriate schema folder.

These schemas are the authoritative source for the indicator allowable values.

- Age 10 Through 17 Indicator
- Age 18 Through 20 Indicator
- Age 21 Plus Indicator
- Compute Bail Indicator
- Construction Zone
- Correctable
- DMV Abstract Reportable Indicator
- DMV Hold Eligible
- DMV Juvenile Reportable Indicator
- DMV Owner’s Reportable Indicator
- DOJ Reportable Indicator
- DUI Charge
- Eligible for DMV Prior Indicator

- Firearm Prohibition
- Fish and Game
- Health and Safety Violation
- Insurance Violation
- Juvenile Only Indicator
- Mandatory Appearance Indicator
- Night Court Indicator
- Penalty Eligible Indicator
- Priors
- Railroad Violation
- Red Light Violation
- Reduced Proof of Correction Indicator
- Safety Zone
- School Zone Violation
- Suppress Security Fee Indicator
- Traffic School Eligibility Indicator
- VC Forfeiture Plan Eligibility Indicator

6.3 Business Processes

There are no additional business processes that impact the exchange.

6.4 Data Classification

At the time of this writing, no security classifications or restrictions to the data contained in this exchange have been identified.

6.4.1 Privacy considerations

At the time of this writing, no specific privacy considerations for the content contained in this exchange have been identified.

7.0 ISB Message Processing

7.1 Routing

The ISB performs message routing for this data exchange. Routing rules are based on the content contained in the Common Service Header, which is described in the “*CCMS Data Exchange Common Technical Requirements*.” In addition, AOC will use the following data elements’ rules to route this exchange to an integration partner:

- Court Code
- Data Exchange Name

7.2 Message Interactions

This is an asynchronous exchange; however, all messages sent to the ISB are processed in real time. This means messages received by the ISB are validated, translated to the appropriate format, and routed to the destination immediately.

- Starting at 8:00 a.m., a message is retransmitted every hour until 4:00 p.m. before being declared unsuccessful.
- Starting at 4:00 p.m., a message is retransmitted every hour until 8 a.m. before being declared unsuccessful.

Refer to the “*Data Exchange Functional Design Guidelines*” for an additional description of the message interactions with the ISB and CCMS.

Appendix A. Acronyms

Table 3. Acronyms

Acronym	Name
ACCMS	Appellate Court Case Management System
AOC	Administrative Office of the Courts
CCMS	California Case Management System
CCTC	California Courts Technology Center
CEB	Common Element Block
DI	data integration
F&F	Fees and Fines
FTA	Failure To Appear
IP	integration partner
ISB	Integrated Services Backbone
LIAM	Local Integration Assessment Methodology
NIEM	National Information Exchange Model
OWSM	Oracle Web Services Management
RRA	request/reply-asynchronous
RRS	request/reply-synchronous
SDD	Service Description Document
SLA	service level agreement
SME	subject matter experts
URL	Universal Resource Locator
WSDL	Web Services Description Language
XML	eXtensible Markup Language

