

eMARS Inbound Interface Templates



FINAL

Prepared for
**Commonwealth of
Kentucky
eMARS Project**

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Version/Issue Date	Brief Summary of Changes From Prior Version
V2.0 – 10/05/2005	Initial version
V2.1 – 10/27/2005	<ul style="list-style-type: none"> • Changed the Max Size for DOC_FY_DC on the MD_DOC_HDR component from 10 to 4 bytes. • Added "20" as the Max Size for the CNTAC_ID on the CR_DOC_VEND component. The Max Size was missing in the previous version. • Provided the code "TRANSP" for the Shipping Location (SHIP_LOC_CD) and Billing Location (BILL_LOC_CD) on the PO_DOC_COMM component as well as the T&C (TC_NO) on the PO_DOC_TCLIST component for the Transportation PO Interfaces. • Added the fields VEND_DISB_CAT, DFLT_DISB_FRMT and VEND_SNGL_CHK_FL to the PR_DOC_VEND component and the PO XML sample. • Added the field CHK_DSCR to the ABS_DOC_ACTG and PR_DOC_ACTG components as well as the GAX and PR XML samples. • Changed the size of the CHK_DSCR field from 100 to 50 bytes on the MD_DOC_ACTG and ABS_DOC_ACTG components. • Described the Document ID structure and added additional requirements for interfaced IET documents in section 2.1.2. • Changed the "R/C" and "Comments" for the RF_TYP field on the PR_DOC_COMM component. • Changed the "Comments" for the SUB_TOT_LN_AM field on the PR_DOC_ACTG component. • Added the RFED_ACTG_LN_NO and RF_TYP fields to the PR_DOC_ACTG component and the PR XML sample. • Changed the "Comments" for the EVNT_TYP_ID and provided the Event Type code "XPSC" for the PRC UPPS Interface on the PR_DOC_ACTG component.
V2.2 – 01/19/2006	<ul style="list-style-type: none"> • Changed all references to document type CEXP to document type JV2E and added discussion of JV2E requirements • Modified description of NOTICE_PRN_ST for INTR table to give correct values for attribute
V2.3 – 03/22/2006	<ul style="list-style-type: none"> • Changed specifications for TCLIST component for PO document
V2.3 – 03/24/2006	<ul style="list-style-type: none"> • Added comment in the Frequency column for NREPC Journal Vouchers to Correct Payroll Interface in Appendix A – Inbound Document Based Interfaces Inventory that this interface has been dropped. • Added comment in the Frequency column for Long Distance Carrier Billings Allocation CFC (ALC) – LCF Interface in Appendix A – Inbound Document Based Interfaces Inventory that this interface has been dropped. • Added comment in the Frequency column for Allocation of GOT Charges CFC) Interface in Appendix A – Inbound Document Based Interfaces Inventory that this interface has been dropped. • Added comment in the Frequency column for Telephone Allocation System (KAH- Automated Telephone Sys.) CHS Interface in Appendix A – Inbound Document Based Interfaces Inventory that this interface has been dropped. • Added comment in the Frequency column for Telephone Allocation

	<p>System (KAH-Automated Telephone Sys.) CHS - Essex Interface in Appendix A – Inbound Document Based Interfaces Inventory that this interface has been dropped.</p> <ul style="list-style-type: none"> Added comment in the Frequency column for Medicaid Unisys (EDS) Vendor Feed Interface in Appendix A – Inbound Document Based Interfaces Inventory that this interface has been dropped.
V2.3 – 03/24/2006	<ul style="list-style-type: none"> Added attribute ACTG_LN_DSCR to the CH_DOC_ACTG component of the CA document.
V2.3 – 04/03/2006	<ul style="list-style-type: none"> Corrected the attribute name DOC_UNIT_D in the PR_DOC_HDR component of the PRC Document to DOC_UNIT_CD.
V2.3 – 04/18/2006	<ul style="list-style-type: none"> Changed the "Comments" for the DOC_VERS_NO attribute in the AMS_DOCUMENT component of the PO Document. Changed the "Comments" for the PRCU_TYP_ID attribute in the PO_DOC_HDR component of the PO Document. Changed the "Comments" for the REAS_MOD_DC attribute in the PO_DOC_HDR component of the PO Document. Added new sections 2.17 and 2.18 "Invoice Document Usage and Invoice Transaction Layout". Added "Invoice" to the Document Based Template List which is located in Section 1.7 Inbound Interface Templates. Updated Table of Contents. Changed the numbering on the graphical representations of components for JV2E, PRC and CA sections. Made a change to the text in Section 2.13.2 New eMARS Process in the PRC Document Usage Section regarding the CPES Interface from Transportation. Changed the "Comments" for the EVNT_TYP_ID attribute in the PO_DOC_ACTG component of the PO Document.
V2.3 – 04/19/2006	<ul style="list-style-type: none"> Added "Comments" for the CL_DSCR attribute in the PO_DOC_COMM component of the PO Document. Made a change to the text in Section 2.3.2 New eMARS Process in the PO Document Usage Section. Changed the "Comments" for the DOC_CD attribute from PO to PO2 in the AMS_DOCUMENT component of the PO Document. Changed the text in Section 2.4 Purchase Order(PO) Layout. Each PO_DOC_COMM record can only have one PO_DOC_ACTG record associated with it. Added Appendix P "Invoice (IN) XML Example".
V2.4 – 04/28/06	<ul style="list-style-type: none"> Added graphical representation for JV2E document components in the General Accounting (JV2E) Document Usage section. Updated page numbers in the Table of Contents.
V2.5 – 06/28/06	<ul style="list-style-type: none"> Added 3 attributes to the ABS_DOC_ACTG component of the GAX document. VEND_INV_LN_NO, VEND_INV_NO, and VEND_INV_DT.
V2.5 – 07/10/06	<ul style="list-style-type: none"> Modified changes of 06/28/06 per instructions from Barbara Aldridge-Montfort. Modified description of COND_CD attribute of IN_DOC_COMM to give new proper value.
V2.5 – 07/24/2006	<ul style="list-style-type: none"> Modified attribute name VEND_INV_DT in ABS_DOC_ACTG. The attribute was incorrectly named VEND_INV_DATE.
	<ul style="list-style-type: none">

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1 Overview of the Inbound Interface Design

1.1 Introduction and Purpose

The purpose of this document is to provide the field agencies of the Commonwealth of Kentucky the information needed to modify their systems to interface to new eMARS system. eMARS is an integrated software system that will require inbound (interfaced) data to be submitted in a XML (Extensible Markup Language) format. The goal of this document is to provide the specifications needed to submit a fully qualified XML document into the eMARS system.

Agencies are responsible for developing and modifying the appropriate XML document to be submitted into the eMARS system. The reader should refer to the appropriate chapter in this design for specific information on how to develop their respective document, which have been categorized by document code.

This document provides detailed information on each document code to aid in the construction of the XML documents including:

- The current MARS and eMARS usage
- Document component structure
- Interface specific standards and conventions
- A graphical transaction layout followed by a detailed explanation of each XML tag component.
- The detailed component section will explain the attribute, caption, description, requirements, data type, maximum size, and any pertinent comments for a given record.

1.2 Document Definitions and Conventions

The table below is meant to serve as an aid to the reader in gathering a better understanding of terms that are used throughout this design.

Term	Definitions	Examples
XML Tag	The tag used in an XML file to define the attribute.	RECORD_TYPE
Caption	Field name of the data element as seen from a console logging into the eMARS system.	
Description	Textual description of the data element.	
R/C	Required/Conditional	<p>Required (R) indicates that the data element is required by the interface for transaction to successfully process.</p> <p>Conditionally Required (CR) means that specified conditions must be met by the interface for transaction to process successfully. When not required the field can be spaces.</p> <p>Optional (O) specifies that the data element is optional for the interface and can be populated with spaces.</p>
Type	Data type of element	<p>Date – Date Format “YYYY-MM-DD”</p> <p>Number – A whole number whose value can not have either positive or negative sign and can not have a decimal position. An example of a number value is (4) = 9999.</p> <p>Decimal – A whole number whose value can be either positive or negative. An example of a decimal value with a specified decimal position is (7, 3) = 9999.999. Negative numbers must be prefixed with a negative sign.</p> <p>VARCHAR2 – Alphanumeric (can be a combination of both letters</p>

Term	Definitions	Examples
		and number) field with a <u>maximum</u> character size defined for each field.
Maximum Size	The size limit of the data element	Expressed in bytes.
Comments	Further description of the field or specific comments that relate to the eMARS system.	
Interface	A transfer of data inbound to or outbound from the eMARS databases and/or application. This definition specifically precludes the eMARS application itself and users accessing the system remotely.	
Document	An eMARS document such as a GAX (General Accounting Expenditure) or a CR (Cash Receipt) document. A document typically contains header, detail, accounting, and vendor information and typically pulls data from different tables within the application.	
Table	A database table within eMARS that could be updated through an interface.	1099I
Record	Data specific to a single table or document. (Note: A complete document may need to be separated into multiple Detail Records to allow capture of all necessary information.)	

Term	Definitions	Examples
Transaction	A complete set of Record(s).	
File	One or more transactions. This may refer to one or more transactions all received (sent) together from (to) a single entity or a composite of one or more transactions received from (sent to) one or more entities.	

1.3 Interface Processing Approach

1.3.1 Advantage 3 HTTPS Process

The eMARS upgrade will include the development of an on-line HTTPS process within the Advantage 3 application. This process will be the primary method for uploading inbound interface files by agencies submitting document and tables based interfaces to eMARS. Uploaded interface files will be stored on designated directories on the Advantage 3 Application Server. For document and table based interfaces, it is assumed that each department and agency will make a back-up of their interface files they upload to the Advantage 3 Application Server before uploading the files. On the Application Server, five (5) generations of interface files will be stored as archives before they are discarded. Document and table based Interface files will be backed up at the beginning of each nightly cycle.

1.3.2 Naming conventions

As stated above, in the HTTPS process, agencies will use the MARS Rover ID (i.e. Interface ID) as the file name that is submitted to eMARS. **Appendix A** reveals the appropriate Rover ID used for each document interface. **Appendix B** reveals the appropriate Rover ID's user for each table interface.

1.3.3 Document Identification

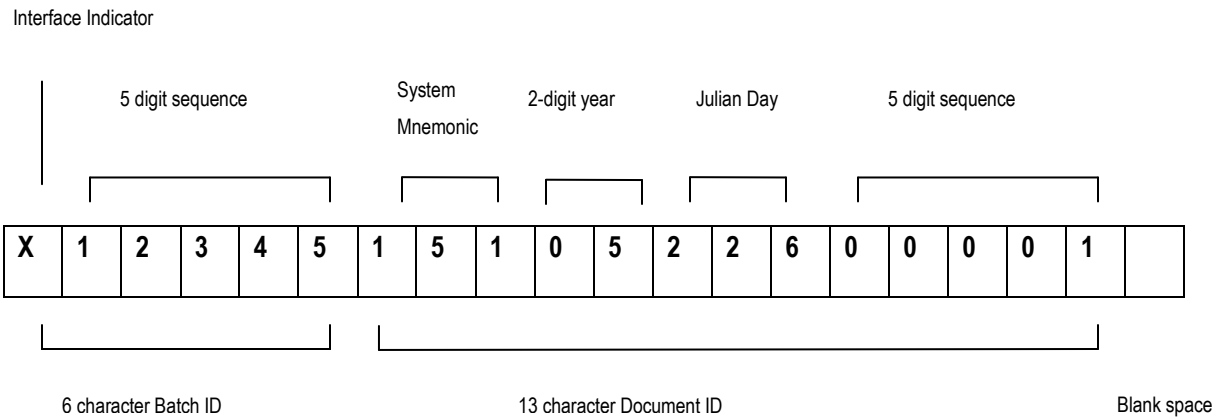
The following information will be used to uniquely identify a document within a **document** based inbound interface file:

- DOC_CD : Document Code – VARCHAR2(8)
- DOC_DEPT_CD : Document Department Code – VARCHAR2(4)
- DOC_ID : Document Identification – VARCHAR2(20)

Additionally, for security and workflow purposes, it is necessary that each department provides a UNIT_CD (Unit Code) – VARCHAR2(4). The following discussion pertains to Document based inbound interfaces only. In Advantage 3, several documents can not be batched together. Thus, the Standard Document ID for document based interfaces will be constructed by combining the "Batch_ID" and "Document Number" that are currently used in MARS to uniquely identify those interfaces. However, if particular departments need to create a differently structured Document ID, they should contact the COT Interface Team for approval.

For interfaced documents other than the Interface Exchange Transaction (IET), the structure for the **Document ID** is shown in the diagram below:

Figure 1-1 Document ID Standard



6-Character Batch ID:

Interface Indicator: X indicates that the documents are processed through interfaces.

5-Digit Sequence: Documents within each interface file must have the same batch sequence number. Sequentially assigned number for created batches.

13-Character Document ID:

System Mnemonic: Three-character description of a system from which the data is coming. It will be based on the Rover ID (i.e. Interface ID) – *positions 5 through 7* - that is assigned to each interface file (see **Appendix A**).

2-Digit Year: The last 2 digits of the year of the transaction date.

Julian Day: Number of a day of the year of the transaction date

5-Digit Sequence: Sequentially assigned number for documents created that day.

1.3.4 Maximum Number of Accounting Lines on Inbound Documents

In general, inbound document interfaces will be limited to a maximum of 99 accounting lines. This limitation is put on interface documents for performance purposes. This will be a change from the existing system, in that, some document codes, such as MWs, JVCs and JVTs do not currently have a limit of 99 lines. However, this standard is being implemented for the following reasons:

- A similar standard is prevalent on the on-line side. In case a document is being processed with more than 99 lines, the document gets broken up and a new document is created with lines 100 – and up.
- Application performance will be at risk if this standard is not implemented. More lines per document can result in slower response time, if the action is performed on a document in the Advantage 3 Document Catalog.

1.4 Interface File Movement Approach

This section describes the overall approach taken to process inbound document based interface files within eMARS. Section 3 discusses the approach for table based interfaces. The document based approach is described in the following steps:

Step 1: Transfer Interface Files to an NT Server or Workstation

Departments that produce inbound interface files in XML format on a server other than an NT server will transfer their interface files to a designated folder on an NT server or workstation within their operational environment.

Step 2: Upload Interface Files into Advantage 3

Authorized users within departments will logon to the Advantage 3 application and open a designated page (the name of this page will be defined during the design stage of the HTTPS process) that is used to upload document based interface

On that page, the user will:

- Enter the Department Code, Unit Code and File Name,
- Click the "browse" button to navigate through the files on the user's computer or authorized network servers in order to select the appropriate interface file.
- Click the "upload" button to load a selected interface file.

If the specified File Name (i.e. Rover ID in **Appendix "A"** for document based interfaces and **Appendix "B"** for table based interfaces) was authorized for the entered Department and Unit Codes, and the user's security profile was authorized for the entered Department and Unit Codes, then the selected interface file will be loaded to a designated directory on the Advantage 3 Application Server. The file name of the uploaded interface files to the Application Server will be composed of the File Name and the Server Date/Time Stamp with the extension "xml" (for example, C39R024A_08-01-2005_11:05:20AM.xml). This will allow departments to upload multiple times per day without overwriting previously uploaded files.

The following steps are only applicable to document based interfaces:

Step 1: Backup Interface Files on the Application Server

When the nightly cycle kicks off, all loaded interface document based interface files that are marked as "unprocessed" will be backed up along with other backups of the Advantage 3 application.

Step 2: Import Documents to the Document Catalog

Once all loaded interface files have been backed up, a batch process will run to import the documents of each loaded interface file to the Advantage 3 Document Catalog table by using SysManUtil. The imported documents on the Advantage 3 Document Catalog will then be submitted by using SysManUtil. Each File Name will be associated with appropriate parameters: User Id, Apply Overrides, Override level and Bypass Approvals in an Advantage 3 table that is maintained centrally. These parameters will be used to build the parameter files for the import and submit actions of SysManUtil for each processed interface document file.

Step 3: Exception Handling

Any errors reported during the import/submit of interface files are logged in the SysManUtil logs. These logs will be consulted to check and correct any errors.

1.5 General XML Specifications for eMARS

In general a XML file is a series of beginning and ending tags. The examples in **section 1.5.1** are meant to provide a general framework to illustrate the usage of XML tags. Furthermore, they will aid in understanding and constructing all eMARS XML documents. **Appendices C thru L** contain examples of fully qualified eMARS XML documents listed by document code.

The CDATA tag is an essential element in the creation of the XML document. The CDATA tag is embedded within the eMARS XML beginning and ending tags. CDATA tags hold the information that departments will submit into eMARS.

For example purposes only, let's assume a file will be submitted to eMARS which includes a first name and last name. Based on the discussion above, that XML file would look like the figure 1-2. Subsequent to each XML tag, there will 'Attribute = "Y"' which declares the information that will be provided relating to that XML tag.

Figure 1-2 CDATA tag with Attribute=Y

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<AMS_DOC_XML_IMPORT_FILE>
  <AMS_DOCUMENT>
    <FIRST_NAME Attribute="Y"> <![CDATA[JOHN]]> </FIRST_NAME>
    <LAST_NAME Attribute="Y"> <![CDATA[DOE]]> </LAST_NAME>
  </AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>
```

Figure 1-3 below is meant to show the basic XML tag construction with emphasis on the CDATA tag for a CR document with one accounting line:

Figure 1-3 Basic CR document with one accounting line

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<AMS_DOC_XML_IMPORT_FILE>
  <AMS_DOCUMENT>
    <CR_DOC_HDR>
      <DOC_CAT Attribute="Y">
        <![CDATA[AR]]>
      </DOC_CAT>
    </CR_DOC_HDR>
  </AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>
```

---Document Beginning Tag
 -- Beginning Unique ID Tag
 -- Beginning Header Tag
 -- Document Category Beginning Tag
 -- Data Tag (notice the required CDATA tag)

```

        </DOC_CAT>                -- Document Category Ending Tag
    </CR_DOC_HDR>                -- Ending Header Tag
    <CR_DOC_VEND>                -- Beginning Document Vendor Tag
    </CR_DOC_VEND>               -- Ending Document Vendor Tag
    <CR_DOC_ACTG>                -- Beginning Accounting line Tag
    </CR_DOC_ACTG>               -- Ending Accounting line Tag
    </AMS_DOCUMENT>             -- Ending Unique ID Tag
</AMS_DOC_XML_IMPORT_FILE>    ---Document Ending tag

```

Figure 1-4 below is meant to show basic XML tag construction with emphasis on the CDATA tag for a CR document with two accounting lines:

Figure 1-4 Basic CR document with two accounting lines

```

<?xml version="1.0" encoding="ISO-8859-1" ?>
<AMS_DOC_XML_IMPORT_FILE>
    <AMS_DOCUMENT>
        <CR_DOC_HDR>
            <DOC_CAT Attribute="Y">
                <![CDATA[AR]]>
            </DOC_CAT>
        </CR_DOC_HDR>
        <CR_DOC_VEND>
        </CR_DOC_VEND>
        <CR_DOC_ACTG>
        </CR_DOC_ACTG>
        <CR_DOC_ACTG>
        </CR_DOC_ACTG>
    </AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>

```

-- Document Beginning Tag
-- Beginning Unique ID Tag
-- Beginning Header Tag
-- Document Category Beginning Tag
-- Data Tag (notice the required CDATA tag)
-- Document Category Ending Tag
-- Ending Header Tag
-- Beginning Document Vendor Tag
-- Ending Document Vendor Tag
-- Beginning Accounting line 1 Tag
-- Ending Accounting line 1Tag
-- Beginning Accounting line 2 Tag
-- Ending Accounting line 2 Tag
-- Ending Unique ID Tag
-- Document Ending tag

The following are some technical notes with regard to the construction of XML files:

- There should not be any spaces after "<" or before ">".

- The CDATA must be preceded with "[\".
- The succeeding characters for the actual data in the CDATA section should be "]\".
- The special character "<" must be followed by "/" to indicate the end of a tag.
- If using a Document Type Definitions (DTD) to verify the XML file for a document or table, then the attributes must be listed in the order shown within each data object of respective template. Otherwise, the attributes can be listed in any order within a data object.
- Specified double quotes (") before and after provided values under the **Comments** column in the templates should not be included in corresponding CDATA tags.
- The values "true" and "false" for attributes that can be set to only either value are not case sensitive (i.e. both lower and upper cases are allowed).
- Attributes that are defined as decimal types must include values for all places following the decimal point if the value is not zero. For example, a quantity of 50 with a max size of 15,5 should be represented as 50.00000 within the CDATA tags (i.e. CDATA[50.00000]).
- Attributes that are defined as decimal types and include negative values must include the "-" sign before the value in the CDATA tags (e.g. CDATA[-35.00]).
- Data values contained in the CDATA tags should be trimmed on both sides (i.e. left and right) so that the CDATA tags include only the distinct values. Padding fields on the left or right to fill in the remainder of the field size is not necessary as the Advantage Import process is tag oriented rather than fixed field length oriented. However, fields should not exceed the maximum size specified for each attribute in the templates. To further elaborate, let's assume the following:
 - DOC_NM is the XML tag for the Document Name that is defined as VARCHAR2 (40) and has the value "TEST DOCUMENT NAME".
 - PYMT_LN_NO is the XML tag for the Payment Line Number that is defined as NUMBER (5) and has the value " 12".
 - DOC_AM is the XML tag for the Document Amount that is defined as DECIMAL (8,2) and has the value " 150.91".

The CDATA tags for the above attributes will look like the following:

```
<DOC_NM Attribute="Y"><![CDATA[TEST DOCUMENT NAME]]></DOC_NM>
<PYMT_LN_NO Attribute="Y"><![CDATA[12]]></PYMT_LN_NO>
>DOC_AM Attribute="Y"><![CDATA[150.91]]></DOC_AM>
```

- CDATA Tags must not be submitted with ' ' (blank) values (i.e. CDATA[]).
- For attributes that are listed as being **Optional (O)**, there are two options for submitting (' ') BLANK information:
 - 1) Do not provide the tag at all, or
 - 2) See the table below for data type specifics:

Data Type	Blank Value
VARCHAR2	CDATA[null]
Number	CDATA[0]
Decimal	CDATA[0]
Date	CDATA[null]

Departments can choose either option to handle "blank" fields. However, it is recommended to not provide their tags since this will result in a smaller interface file.

1.6 eMARS Accounting Concept

In Advantage 3, there is a field called Event Type which is entered on the accounting lines of documents to identify the type of financial activity for each accounting line.

The primary purposes of the Event Type are the following:

- Ties directly to a set of posting codes that define the type of debits and credits updated to journals (e.g. Accounting Journal, Cash Journal, 1099 Journal ... etc).
- Determines rule for data entry concerning referenced documents, vendor/customer codes, and all defined chart of account elements.
- Drives certain table updates.

Additionally, users can create accounting templates which provide the ability to save frequently used data for use in subsequent document creation. Templates of chart of account elements are created with a unique name for identification called Accounting Template ID.

The Accounting Template ID's can be defined on the Accounting Template table to a default fund (e.g. fund, department, unit, object, revenue source ... etc) and detail accounting information (e.g. function, activity, task, program ... etc) that can be entered on the accounting lines of documents.

Users can specify appropriate Accounting Template ID's on the accounting lines of documents and associated fund and detail accounting information will be populated from the Accounting Template table upon processing the documents. Also, users can specify several fund and/or detail accounting attributes along with the Accounting Template ID's on the accounting lines of documents. Those provided accounting attributes will not be overlaid with values from the Accounting Template upon processing the documents. Basically, the Accounting Template only defaults accounting attributes with blank values. All accounting based documents are described in **Chapter 2** using the assumption that the users will supply accounting templates.

Generally, agencies that will be interfacing accounting based documents with eMARS should provide Accounting Templates ID's and Event Types and optionally applicable funding and/or detail accounting attributes (unless stated otherwise in a document template).

For a full explanation of the eMARS Organizational, Central and Departmental Data Elements and a crosswalk of the Organizational, Central and Departmental Data Elements from MARS to eMARS, ***please refer to the eMARS Chart of Accounts Plan.***

1.7 Inbound Interface Templates

To interface with eMARS, external systems must create and provide XML files containing transactions under the corresponding eMARS document and table format.

Appendix A provides a list with the document based files that will be interfaced with eMARS.

Appendix B provides a list with the table based files that will be interfaced with eMARS.

The templates that are provided in this design are listed below:

Document Based Templates:

Accounting Based:

- Internal Exchange Transaction (IET)
- Purchase Orders (PO)
- Invoice (IN)
- Cash Receipts (CR)
- Manual Disbursements (MD)
- General Accounting Expenditure (GAX)
- Purchase Request Commodity Based (PRC)
- Cost Allocation (CA)

Vendor Based:

- Vendor Customer Creation (VCC)
- Vendor Customer Modification (VCM)

Table Based Templates

- 1099 Reporting Information (1099I)
- Vendor ABA Maintenance (VABA)
- Intercept Request (INTR)

The following sections describe in detail the specification of the above inbound interface templates.

2 Inbound Accounting Based Specification

2.1 Internal Exchange Transaction (IET) Document Usage

2.1.1 Current MARS Process

Currently, the Commonwealth departments use IIT and PVI documents to interface with MARS system.

2.1.2 New eMARS Process

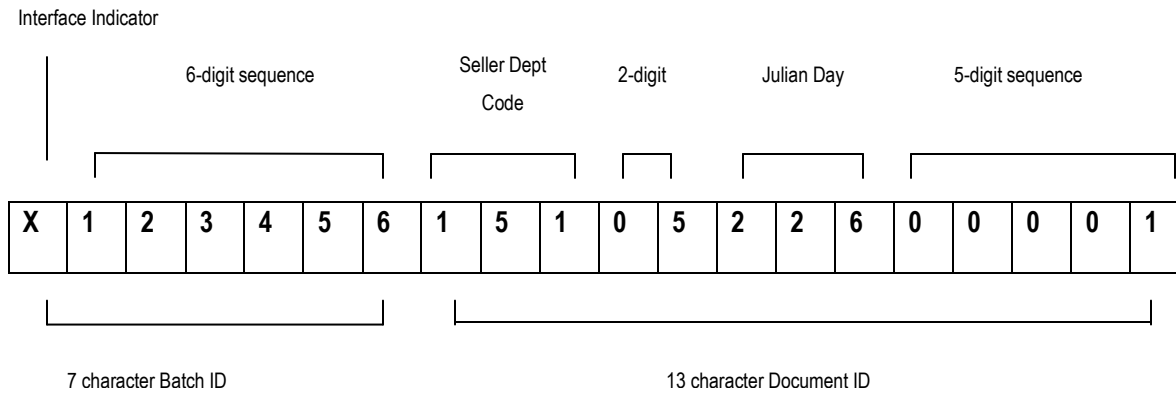
The Internal Exchange Transaction (IET) will be used in place of IIT and PVI documents. It will record information for both Seller and Buyer to complete the transaction. The IET document will only support Original Entry through the Internal Exchange Transaction document interface.

For interfaces, the IET Documents will have the following characteristics:

- The first party will always be seller (i.e. INIT_CD on the IET_DOC_HDR component must be set to "P").
- There will always be only one exchange line (i.e. only one record on the IET_DOC_VEND component).
- The second party will always be buyer (i.e. INIT_CD on the IET_DOC_ACTG component must be set to "R").
- There can be a maximum of 99 accounting lines present for second party on the IET document (i.e. up to 99 records on the IET_DOC_ACTG component).
- Coding of object or revenue will be dictated by the event type assigned to the first party seller.
- No IET modification documents will be allowed from the interfaces.
- The IET documents received through interfaces will not reference any other documents.
- The Document Department Code of interfaced IET documents must include the Buyer Department Code.
- The Seller Department Code must be included in the IET Document ID as explained in the next diagram.

For interfaced IET documents, the structure for the **Document ID** is shown in the diagram below:

Figure 2-1 Document ID Standard



7-Character Batch ID:

Interface Indicator: X indicates that the documents are processed through interfaces.

6-Digit Sequence: Documents within each interface file must have the same batch sequence number. Sequentially assigned number for created batches.

13-Character Document ID:

Seller Department Code: Three characters of the Seller Department Code.

2-Digit Year: The last 2 digits of the year of the transaction date.

Julian Day: Number of a day of the year of the transaction date

5-Digit Sequence: Sequentially assigned number for documents created that day.

2.2 Internal Exchange Transaction (IET) Transaction Layout

The XML based IET transaction consists of 5 required components. Figure 2-2 is a graphical representation of all components, the action explaining whether its inclusion is required or not, and its description. Figure 2-3 further illustrates the IET document showing that it will have one AMS_DOCUMENT record, one IET_DOC_HDR, and one IET_DOC_VEND that can have one or multiple IET_DOC_ACTG records associated. However, the number of IET_DOC_ACTG records may not exceed 99. The remaining sections explain each component that constitutes a complete XML based IET document.

The structure of an XML file with 2 IET documents where each document is associated with 1 vendor record and 2 accounting lines will be as follows:

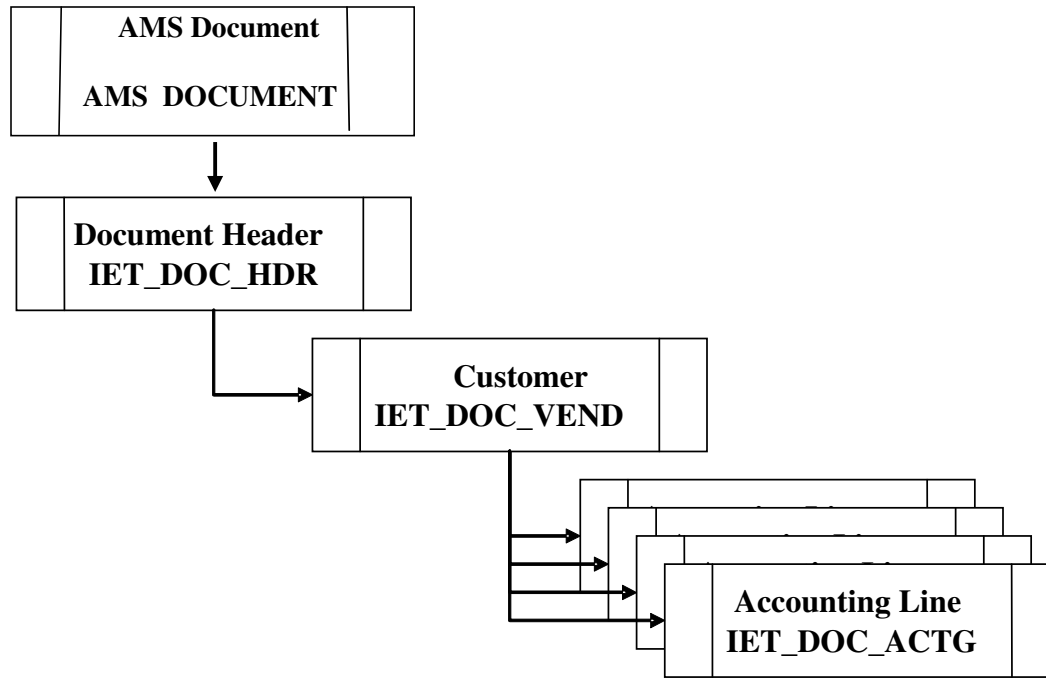
Document record #1
Header record
Vendor record 1
Accounting record 1
Accounting record 2

Document record #2
Header record
Vendor record 1
Accounting record 1
Accounting record 2

Figure 2-2: IET Transaction Required XML components

	Action	
	Original entry	Component description
AMS_DOC_XML_IMPORT_FILE	Required	Unique Tag used to identify the beginning and ending of an inbound XML interface file.
AMS_DOCUMENT	Required	Unique Tag used to identify the beginning and ending of a document within an inbound XML interface file.
IET_DOC_HDR	Required	Unique Tag used to identify the beginning and ending of a header component within a document.
IET_DOC_VEND	Required	Unique Tag used to identify the beginning and ending of a vendor component within a document.
IET_DOC_ACTG	Required	Unique Tag used to identify the beginning and ending of an accounting line within a document.

Figure 2-3: IET Document Components



2.2.1 IET Document Component : AMS_DOC_XML_IMPORT_FILE

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix C for an example of a fully qualified IET XML example:

XML Tag	Description	R/C
AMS_DOC_XML_IMPORT_FILE	Required XML beginning tag for a based IET document	R

2.2.2 IET Document Component: AMS_DOCUMENT

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix C for an example of a fully qualified IET XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	"INT"
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	"IET"
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	"IET"
DOC_DEPT_CD	Department Code	The department code assigned to this document.	R	VARCHAR2	4	Must be the Department Code of the Buyer . Must be valid on Department Fiscal Year Controls table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_UNIT_CD	Document Unit	The unit code associated with this document, which can be used to facilitate workflow.	R	VARCHAR2	4	Valid Unit Code on the Unit table.
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Assigned by the agency see section 2.1.2.
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Set to "1".
AUTO_DOC_NUM	Automatic Document Numbering	Indicates that system will assign a unique Document ID: "true" for system assigned Document ID number or "false" for no system assigned Document ID Number.	R	VARCHAR2	5	Set to "false".
DOC_IMPORT_MODE	Document Import Mode	Indicates that the document is being made as an Original Entry "OE".	R	VARCHAR2	3	Set to "OE" for Original Entry.

2.2.3 IET Document Component: IET_DOC_HDR

The following XML tags are a requirement for IET documents being submitted into the eMARS system. See Appendix C for an example of a fully qualified IET XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document	The category in which the	R	VARCHAR2	8	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
	Category	document is located.				
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_REC_DT_DC	Record Date	The record date manually entered on the document header. If not manually entered, the date becomes the one when the document was submitted successfully.	O	Date	10	If left blank, the system will default it to the current date. If provided, the format of this date is "YYYY-MM-DD". Example: "2004-10-30".
DOC_BFY	Budget FY	When on the header of a document, this is the default budget fiscal year that will be pushed to all accounting lines.	CR	NUMBER	4	Leave blank unless it is July and the document needs to be posted in the prior year. If left blank, the system will populate it with the Fiscal Year

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
						of the Record Date on associated document. If posting to a prior fiscal year, provide the budget fiscal year. If provided, must be valid on the Fiscal Year table and follow the format "YYYY".
DOC_FY_DC	Fiscal Year	The fiscal year associated with this document.	CR	NUMBER	4	Leave blank unless it is July and the document needs to be posted in the prior year. If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document. If posted to the 13th accounting period in the prior fiscal year, the Fiscal Year must be entered. If provided, must be valid on the Fiscal Year table and follow the format "YYYY".
DOC_PER_DC	Period	When on the header of a document, this is the default accounting period that is pushed to all accounting lines. If not manually entered, the field remains blank until the	CR	NUMBER	2	Leave blank unless it is July and the document needs to be posted in the prior year. If left blank, the system will populate it with the Fiscal Period of the Record Date on

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		document is submitted successfully. At this point it is set to the current accounting period.				associated document. If posted to the 13th accounting period in the prior fiscal year, the Fiscal Period must be entered. If provided, the valid value is 13.
DLVR_DT	Delivery Date	The requested delivery date from the Stock Requisition.	O	Date	10	Optional Acceptable format is: "YYYY-MM-DD". Example: "2004-10-30". Future and Past dates are allowed
INIT_CD	Initiator	Field that tells the nature of the 1st party. Choices are Provider/Seller or Receiver/Buyer.	R	VARCHAR2	3	Required – Values are : P – Provider/Seller R – Receiver/Buyer This field must always be set to "P".
DOC_NM	Document Name	Name for the document.	O	VARCHAR2	60	Optional. The contents of this field will be posted to the data warehouse.
DOC_DSCR	Document Description	The description associated with the document.	O	VARCHAR2	60	Optional

2.2.4 IET Document Component: IET_DOC_VEND

The following XML tags are a requirement for IET documents being submitted into the eMARS system. See Appendix C for an example of a fully qualified IET XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Document Vendor Line Number	The vendor/customer line number visible to a user that uniquely identifies each vendor/customer line within a document.	R	NUMBER	10	Value: " 1"

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
ACTG_TMPL_ID	Accounting Template	The unique identification code assigned to the accounting template. Accounting templates are used to bring in chart of account element codes for ease of data entry on documents.	R	VARCHAR2	6	Must be valid on Accounting Template (ACTPL) table
EVNT_TYP_ID	Event Type	Event Type determines the journal postings and business rules for a particular transaction.	R	VARCHAR2	4	Valid Event types are: - IN01 Inter-fund Reimbursement – Cash Offsets - IN03 Intra-fund Reimbursement – Cash Offsets - IN04 Inter-fund Quasi-External Exchange – Cash Offsets - IN06 Intra-fund Quasi-External Exchange – Cash Offsets
VL_ACTU_AM	Line Amount	Calculated amount for all lines tied to this particular vendor line.	R	DECIMAL	14,2	This amount must equal the total amount for all accounting lines. Example: 50.00
FUND_CD	Fund	The identification code associated with the fund.	O	VARCHAR2	4	If provided, must be valid on Fund (FUND) table.
SFUND_CD	Sub Fund	The identification code associated with the sub-fund.	O	VARCHAR2	4	If entered, must be valid on the Sub Fund table. To enter a Sub Fund Code, the

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
						Fund Code must be entered.
OBJ_CD	Object	The identification code associated with an object of expenditure.	O	VARCHAR2	4	If provided, must be valid on the Object table.
SOBJ_CD	Sub Object	The identification code associated with the sub-object. Sub-object is a fund accounting Chart of Accounts element.	O	VARCHAR2	4	If entered, must be valid on the Sub Object table. To enter a Sub Object Code, the Object Code must be entered.
RSRC_CD	Revenue	Revenue sources are used to track individual sources of revenue taken in.	O	VARCHAR2	4	If provided, must be valid on the Revenue table.
SRSRC_CD	Sub Revenue	The identification code associated with the sub revenue source account.	O	VARCHAR2	4	If entered, must be valid on the Sub Revenue Source table. To enter a Sub Revenue Source Code, the Revenue Source Code must be entered.
DEPT_CD	Department	An identification code associated with a department.	O	VARCHAR2	4	If entered, must be valid on Department Fiscal Year Controls table.
UNIT_CD	Unit	An identification code associated with a Unit.	O	VARCHAR2	4	If entered, must be valid on the Unit table.
SUNIT_CD	Sub Unit	Sub Unit is a means of breaking down a unit code into smaller measurements. It is the lowest level of organizational structure	O	VARCHAR2	4	If entered, must be valid on the Sub Unit table. To enter a Sub Unit Code, the Unit Code must be entered.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		and is required or prohibited based on one or more sub unit requirement tables.				
APPR_CD	Appr Unit	The identification code associated to an appropriation unit.	O	VARCHAR2	9	If entered, must be valid on the Appropriation table.
BSA_CD	BSA	The identification code assigned to the balance sheet account.	O	VARCHAR2	4	If entered, must be valid on Balance Sheet Account (BSA) table.
SBSA_CD	Sub BSA	The identification code assigned to the sub-balance sheet account.	O	VARCHAR2	4	If entered, must be valid on the Sub BSA table. To enter a Sub BSA Code, the BSA Code must be entered.
DOBJ_CD	Dept Object	The identification code assigned to the Department object.	O	VARCHAR2	4	If entered, must be valid on the Department Object table.
DRSRC_CD	Dept Revenue	The code assigned to the department revenue source.	O	VARCHAR2	4	If entered, must be valid on the Department Revenue Source table.
LOC_CD	Location	The identification code assigned to the location.	O	VARCHAR2	4	If entered, must be valid on the Location table.
SLOC_CD	Sub Location	The identification code associated with the sub-location.	O	VARCHAR2	4	If entered, must be valid on the Sub Location table. To enter a Sub Location Code, the Location Code must be entered.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
ACTV_CD	Activity	The identification code associated with the activity.	O	VARCHAR2	4	If entered, must be valid on the Activity table.
SACTV_CD	Sub Activity	The identification code associated with the sub-activity.	O	VARCHAR2	4	If entered, must be valid on the Sub Activity table. To enter a Sub Activity Code, the Activity Code must be entered.
FUNC_CD	Function	The identification code associated with the function. The function code defines broad operational objectives, such as instruction, support services, and facilities acquisition.	O	VARCHAR2	10	If entered, must be valid on the Function table.
SFUNC_CD	Sub Function	The identification code associated with the sub-function.	O	VARCHAR2	4	If entered, must be valid on the Sub Function table. To enter a Sub Function Code, the Function Code must be entered.
RPT_CD	Reporting	The reporting code element is used for tracking contract activity. The contract number will be entered in this field.	O	VARCHAR2	10	If entered, must be valid on the Reporting Code table.
SRPT_CD	Sub Reporting	Sub reporting codes define contract periods.	O	VARCHAR2	4	If entered, must be valid on the Sub Reporting table. To enter a Sub Reporting Code, the Reporting Code must be entered.
TASK_CD	Task	The unique identification code	O	VARCHAR2	4	If entered, must be valid on the Task table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		assigned to the task.				
STASK_CD	Sub Task	The sub task is a means of breaking down tasks into smaller components.	O	VARCHAR2	4	If entered must be valid on Sub Task table. To enter a Sub Task Code, the Task Code must be entered.
TASK_ORD_CD	Task Order	The unique identification code assigned to the task order.	O	VARCHAR2	6	If entered, must be valid on the Task Order table.
PROG_CD	Program	The identification code assigned to the project. Project is a cost accounting Chart of Accounts element.	O	VARCHAR2	10	If entered, must be valid on the Program Setup table.
PHASE_CD	Phase	The identification code assigned to the phase. Phase is a cost accounting Chart of Accounts element representing a phase of a project.	O	VARCHAR2	6	If entered, must be valid on the Program Phase table. To enter a Phase Code, the Program Code must be entered.
PPC_CD	Program Period	The identification code assigned to the project period.	O	VARCHAR2	6	If entered, must be valid on the Program Period table. To enter a Program Period Code, the Program Code must be entered (to infer the Major Program).

2.2.5 IET Document Component: IET_DOC_ACTG

The following XML tags are a requirement for IET documents being submitted into the eMARS system. See Appendix C for an example of a fully qualified IET XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR8	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_VEND_LN_NO	Document Vendor Line Number	The vendor/customer line number visible to a user that uniquely identifies each vendor/customer line within a document.	R	NUMBER	5	Value : "1"
DOC_ACTG_LN_NO	Accounting Line	The accounting line number visible to a user that uniquely identifies each accounting line within a document.	R	NUMBER	5	Example: "1" Line numbering begins at 1 and is incremental for additional lines up to 99.
INIT_CD	Initiator	Field that tells the nature of the 2nd party. Choices are Provider/Seller or Receiver/Buyer.	R	VARCHAR 2	3	Required - Values are : P - Provider/Seller R - Receiver/Buyer This field must always be set to "R".
ACTG_TMPL_ID	Accounting Template	The unique identification code assigned to the accounting template. Accounting templates are used to bring in chart of account element codes for ease of data entry on documents.	R	VARCHAR2	6	Must be valid on Accounting Template (ACTPL) table
LN_AM	Line Amount	The amount of an individual accounting line	R	DECIMAL	14,2	The total of all accounting lines' amounts must equal VL_ACTU_AM

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
SVC_FRM_DT	Service From Date	Service Dates (From/To Dates) on payment request documents are used to identify when goods or services were received from the vendor.	O	Date	10	Valid format is "YYYY-MM-DD" Example: "2004-10-30". The Service From Date can be a past, current or future date. Agencies may provide a date if desired. Otherwise, leave blank and system will default it to the current date upon processing the interface file.
SVC_TO_DT	Service To Date	Service Dates (From/To Dates) on payment request documents are used to identify when goods or services were received from the vendor.	O	Date	10	Valid format is "YYYY-MM-DD" Example: "2004-10-30". The Service To Date can be a past, current or future date. Agencies may provide a date if desired. Otherwise, leave blank and system will default it to the current date upon processing the interface file. If provided, it must be greater than or equal to the SVC_FRM_DT.
ACTG_LN_DSCR	Line Description	The description associated with the line.	O	VARCHAR2	100	
FUND_CD	Fund	The identification code associated with the fund.	O	VARCHAR2	4	If provided, must be valid on Fund (FUND) table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
SFUND_CD	Sub Fund	The identification code associated with the sub-fund.	O	VARCHAR2	4	If entered, must be valid on the Sub Fund table. To enter a Sub Fund Code, the Fund Code must be entered.
OBJ_CD	Object	The identification code associated with an object of expenditure.	R	VARCHAR2	4	Must be valid on the Object table.
SOBJ_CD	Sub Object	The identification code associated with the sub-object. Sub-object is a fund accounting Chart of Accounts element.	O	VARCHAR2	4	If entered, must be valid on the Sub Object table.
RSRC_CD	Revenue	Revenue sources are used to track individual sources of revenue taken in.	O	VARCHAR2	4	If provided, must be valid on the Revenue table.
SRSRC_CD	Sub Revenue	The identification code associated with the sub revenue source account.	O	VARCHAR2	4	If entered, must be valid on the Sub Revenue Source table. To enter a Sub Revenue Source Code, the Revenue Source Code must be entered.
DEPT_CD	Department	An identification code associated with a department.	R	VARCHAR2	4	Must be valid on Department Fiscal Year Controls table.
UNIT_CD	Unit	An identification code associated with a Unit.	O	VARCHAR2	4	If entered, must be valid on the Unit table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
SUNIT_CD	Sub Unit	Sub Unit is a means of breaking down a unit code into smaller measurements. It is the lowest level of organizational structure and is required or prohibited based on one or more sub unit requirement tables.	O	VARCHAR2	4	If entered, must be valid on the Sub Unit table. To enter a Sub Unit Code, the Unit Code must be entered.
APPR_CD	Appr Unit	The identification code associated to an appropriation unit.	O	VARCHAR2	9	If entered, must be valid on the Appropriation table.
BSA_CD	BSA	The identification code assigned to the balance sheet account.	O	VARCHAR2	4	If entered, must be valid on Balance Sheet Account (BSA) table.
SBSA_CD	Sub BSA	The identification code assigned to the sub-balance sheet account.	O	VARCHAR2	4	If entered, must be valid on the Sub BSA table. To enter a Sub BSA Code, the BSA Code must be entered.
DOBJ_CD	Dept Object	The identification code assigned to the Department object.	O	VARCHAR2	4	If entered, must be valid on the Department Object table.
DRSRC_CD	Dept Revenue	The code assigned to the department revenue source.	O	VARCHAR2	4	If entered, must be valid on the Department Revenue Source table.
LOC_CD	Location	The identification code assigned to the location.	O	VARCHAR2	4	If entered, must be valid on the Location table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
SLOC_CD	Sub Location	The identification code associated with the sub-location.	O	VARCHAR2	4	If entered, must be valid on the Sub Location table. To enter a Sub Location Code, the Location Code must be entered.
ACTV_CD	Activity	The identification code associated with the activity.	O	VARCHAR2	4	If entered, must be valid on the Activity table.
SACTV_CD	Sub Activity	The identification code associated with the sub-activity.	O	VARCHAR2	4	If entered, must be valid on the Sub Activity table. To enter a Sub Activity Code, the Activity Code must be entered.
FUNC_CD	Function	The identification code associated with the function. The function code defines broad operational objectives, such as instruction, support services, and facilities acquisition.	O	VARCHAR2	10	If entered, must be valid on the Function table.
SFUNC_CD	Sub Function	The identification code associated with the sub-function.	O	VARCHAR2	4	If entered, must be valid on the Sub Function table. To enter a Sub Function Code, the Function Code must be entered.
RPT_CD	Reporting	The reporting code element is used for tracking contract activity. The contract number will be entered in this field.	O	VARCHAR2	10	If entered, must be valid on the Reporting Code table.
SRPT_CD	Sub Reporting	Sub reporting codes define contract periods.	O	VARCHAR2	4	If entered, must be valid on the Sub Reporting table. To enter a Sub Reporting Code, the

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
						Reporting Code must be entered.
TASK_CD	Task	The unique identification code assigned to the task.	O	VARCHAR2	4	If entered, must be valid on the Task table.
STASK_CD	Sub Task	The sub task is a means of breaking down tasks into smaller components.	O	VARCHAR2	4	If entered must be valid on Sub Task table. To enter a Sub Task Code, the Task Code must be entered.
TASK_ORD_CD	Task Order	The unique identification code assigned to the task order.	O	VARCHAR2	6	If entered, must be valid on the Task Order table.
PROG_CD	Program	The identification code assigned to the project. Project is a cost accounting Chart of Accounts element.	O	VARCHAR2	10	If entered, must be valid on the Program Setup table.
PHASE_CD	Phase	The identification code assigned to the phase. Phase is a cost accounting Chart of Accounts element representing a phase of a project.	O	VARCHAR2	6	If entered, must be valid on the Program Phase table. To enter a Phase Code, the Program Code must be entered.
PPC_CD	Program Period	The identification code assigned to the project period.	O	VARCHAR2	6	If entered, must be valid on the Program Period table. To enter a Program Period Code, the Program Code must be entered (to infer the Major Program).

2.3 Purchase Order (PO) Document Usage

2.3.1 Current MARS Process

Currently, PO documents are interfaced from the Transportation CPES system to record an order for the purchase of goods or services and encumber funds for payment.

2.3.2 New eMARS Process

In eMARS, a PO document will be used for the same purpose and the Invoice (IN) document will be used to initiate the generation of a Payment Request (PRM) to liquidate the encumbered funds. For interfaces, the PO Documents will have the following characteristics:

- There can be up to 99 accounting lines (regardless of the number of commodity lines) present on the document.
- PO Modification documents can be sent through the Interface.
- The PO documents received through interfaces will not reference any other documents.

2.4 Purchase Order (PO) Transaction Layout

The XML based PO transaction consists of 7 required components. Figure 2-4 is a graphical representation of all components, the action explaining whether its inclusion is required or not, and its description. Figure 2-5 further illustrates the PO document showing that it will have one AMS_DOCUMENT record, one PO_DOC_HDR, and one PO_DOC_VEND that can have one or multiple PO_DOC_COMM records associated with it. Each PO_DOC_COMM record can have one PO_DOC_ACTG record associated with it as long as the total number of PO_DOC_ACTG components does not exceed 99. Additionally each PO_DOC_ACTG record is required to have an associated PO_DOC_TCLIST records associated. The remaining sections explain each component that constitutes a complete XML based PO document.

The structure of an XML file with 2 PO documents where each document is associated with 1 vendor record and 2 commodity records, and each commodity record is associated with 1 accounting line will be as follows:

Document record #1

Header record

Vendor record 1
 Commodity record 1
 Accounting record 1
 Commodity record 2
 Accounting record 2

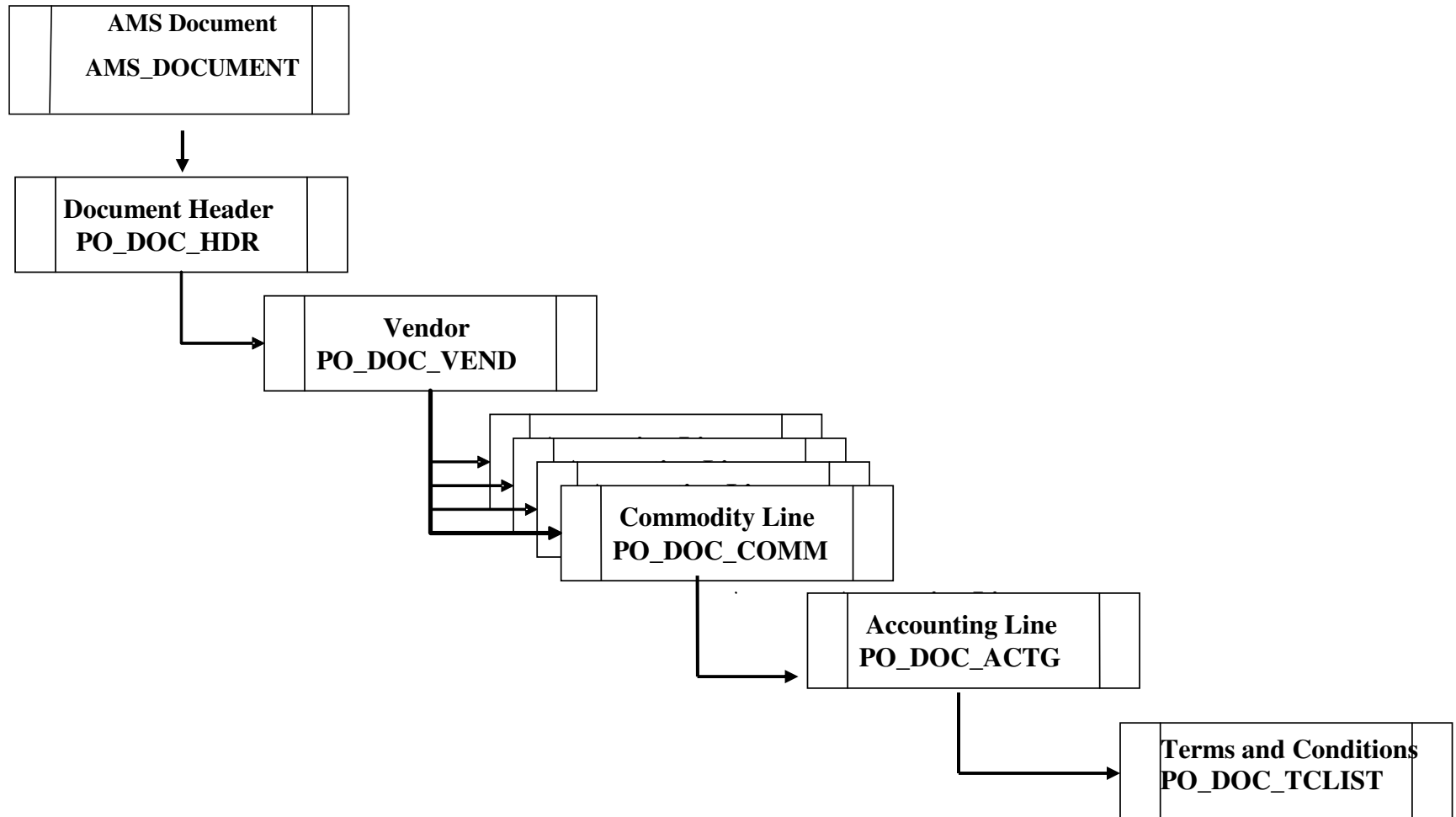
Document record #2
 Header record
 Vendor record 1
 Commodity record 1
 Accounting record 1
 Commodity record 2
 Accounting record 2

Figure 2-4: PO Transaction Required XML components

	Action		Component description
	Original entry	Modification	
AMS_DOC_XML_IMPORT_FILE	Required	Required	Unique Tag used to identify the beginning and ending of an inbound XML interface file.
AMS_DOCUMENT	Required	Required	Unique Tag used to identify the beginning and ending of a document within an inbound XML interface file.

PO_DOC_HDR	Required	Required	Unique Tag used to identify the beginning and ending of a header component within a document.
PO_DOC_VEND	Required	Required	Unique Tag used to identify the beginning and ending of a vendor component within a document.
PO_DOC_COMM	Required	Required	Unique Tag used to identify the beginning and ending of a commodity lines within a document.
PO_DOC_ACTG	Required	Required	Unique Tag used to identify the beginning and ending of an accounting line within a document.
PO_DOC_TCLIST	Required	Required	Unique Tag used to identify the beginning and ending of terms and conditions information within a document.

Figure 2-5: PO Document Components



2.4.1 PO Document Component : AMS_DOC_XML_IMPORT_FILE

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix D for an example of a fully qualified PO XML example:

XML Tag	Description	R/C
AMS_DOC_XML_IMPORT_FILE	Required XML beginning tag for a base PO document	R

2.4.2 PO Document Component: AMS_DOCUMENT

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix D for an example of a fully qualified PO XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	'PROC'
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	'PO'
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	'PO2'
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Valid Department Code on the Department table.
DOC_UNIT_CD	Document Unit	The unit code associated with this document which can be used to facilitate workflow.	R	VARCHAR2	4	Valid Unit Code on the Unit table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Assigned by the agency see section 1.3.3. For modification documents, the document ID must match the document ID of the original document being modified.
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Set to "1". If the document is a modification (DOC_IMPORT_MODE="MOD") the number will be incremented by system processing.
AUTO_DOC_NUM	Automatic Document Numbering	Indicates that system will assign a unique Document ID: "true" for system assigned Document ID number or "false" for no system assigned Document ID Number.	R	VARCHAR2	5	Set to "false".
DOC_IMPORT_MODE	Document Import Mode	Indicates that the document is being made as an Original Entry "OE" or it's a Modification "MOD".	R	VARCHAR2	3	Set to "OE" for Original Entry. Set to "MOD" for Modification.

2.4.3 PO Document Component: PO_DOC_HDR

The following XML tags are a requirement for PO documents being submitted into the eMARS system. See Appendix D for an example of a fully qualified PO XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_REC_DT_DC	Record Date	The record date manually entered on the document header. If not manually entered, the date becomes the one when the document was submitted successfully.	O	Date	10	If left blank, the system will default it to the current date. If provided, the format of this date is "YYYY-MM-DD". Example: "2004-10-30".
DOC_BFY	Budget FY	When on the header of a document, this is the default	CR	NUMBER	4	Leave blank unless it is July and the document needs to be

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		budget fiscal year that will be pushed to all accounting lines.				<p>posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document.</p> <p>If posting to a prior fiscal year, provide the budget fiscal year.</p> <p>If provided, must be valid on the Fiscal Year table and follow the format "YYYY".</p>
DOC_FY_DC	Fiscal Year	The fiscal year associated with this document.	CR	NUMBER	4	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document.</p> <p>If posted to the 13th accounting period in the prior fiscal year, the Fiscal Year must be entered.</p> <p>If provided, must be valid on the Fiscal Year table and follow the format "YYYY".</p>
DOC_PER_DC	Period	When on the header of a document, this is the default accounting period that is pushed to all accounting lines. If not manually entered, the field remains blank until the document is submitted	CR	NUMBER	2	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Period of the Record Date on associated document.</p>

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		successfully. At this point it is set to the current accounting period.				If posted to the 13th accounting period in the prior fiscal year, the Fiscal Period must be entered. If provided, the valid value is 13.
PRCU_TYP_ID	Procurement Type	The type of procurement selected when the procurement was created.	R	NUMBER	10	Must be a valid value on the PRCUTYP table.
RQSTR_ID	Requestor ID	The user id of the person or department requesting the goods or services.	R	VARCHAR2	16	
ISSR_ID	Issuer ID	The user id of the person or department issuing the procurement for goods or services.	R	VARCHAR2	16	
REAS_MOD_DC	Reason for Modification	Reason for Modification	CR	VARCHAR2	1500	Enter a brief description of the modification. This is required for Modification and is optional for original.
DOC_NM	Document Name	Name for the document.	O	VARCHAR2	60	The contents of this field will be posted to the data warehouse.
DOC_DSCR	Document Description	The description associated with the document.	R	VARCHAR2	60	
CITED_AUTH	Cited Authority	Cited Authority identifies the statutory, regulatory, or policy citation for the payment to be	R	VARCHAR2	20	Must be a valid code on the CAUTH (Cited Authority) table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		legally processed.				

2.4.4 PO Document Component: PO_DOC_VEND

The following XML tags are a requirement for PO documents being submitted into the eMARS system. See Appendix D for an example of a fully qualified PO XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Dept	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Document Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	NUMBER	5	Value: " 1"
VEND_CUST_CD	Vendor Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VARCHAR2	20	Only non-miscellaneous vendor codes are allowed. Must be a valid/active vendor on the Vendor Customer table.
AD_ID	Address Code	The Address Code or ID given to a unique address for a vendor or customer.	R	VARCHAR2	20	Must be valid and active procurement address ID for the VEND_CUST_CD on the Vendor Customer table.
CNTAC_ID	Vendor Contact	The unique identification number assigned to the contact. The use of different contact ID's will allow a single vendor or vendor code to have multiple contacts.	O	VARCHAR2	20	If provided, must be valid contact ID for the VEND_CUST_CD on the Vendor Customer table. If not provided, it will be defaulted by the system upon processing the interface file.

2.4.5 PO Document Component: PO_DOC_COMM

The following XML tags are a requirement for PO documents being submitted into the eMARS system. See Appendix D for an example of a fully qualified PO XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Document Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line	R	NUMBER	5	Value: "1"

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		within a document.				
DOC_COMM_LN_NO	Commodity Line Number	The commodity line number visible to a user that uniquely identifies each commodity line within a document.	R	NUMBER	5	Starts with 1. If this is a modification to an original commodity line, then this field must be the same as the original document's Commodity Line Number.
COMM_CD	Commodity	The identification code assigned to the commodity.	R	VARCHAR2	14	
LN_TYP	Line Type	Indicates if the commodity line is for an item, service or a discount.	R	NUMBER	10	Can be 1 or 2, which denotes item or service respectively.
QTY	Quantity	The number in units.	CR	DECIMAL	15, 5	Required if LN_TYP is Item Example: 50.00000
UNIT_MEAS_CD	Unit	The identification code assigned to the unit of measure.	CR	VARCHAR2	4	Must be valid on the Unit of Measure (UOM) table. Required if LN_TYP is Item
UNIT_PRICE	Unit Price	The cost per unit of the goods.	CR	DECIMAL	14, 6	Required if LN_TYP is Item. Example: 50.000000
CNTRC_AM	Contract Amount	The contract amount for service contracts.	CR	DECIMAL	14, 2	Required if LN_TYP is a Service Example: 50.00

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
SHIP_LOC_CD	Shipping Location	The location code associated with the shipping location.	CR	VARCHAR2	6	Required if LN_TYP is "Item". Must be a valid value on the Procurement Location (PLOC) table. For Transportation interfaces, set it to "TRANSP".
BILL_LOC_CD	Billing Location	The Billing Location code on Purchase Order Line items corresponds to values on the Procurement Location table with the Location type of "Billing".	R	VARCHAR2	6	Must be valid on the Procurement Location table with the Location Type of "Billing". For Transportation interfaces, set it to "TRANSP".
SVC_END_DT	Service To	The ending date of service for this solicitation.	CR	DATE	10	Required if LN_TYP is a Service Acceptable format is: "YYYY-MM-DD". Example: "2004-10-30". The Service End Date can be a past, current or future date. Agencies may provide a date if desired. Otherwise, leave blank and system will default it to the current date upon processing the interface file. If provided, it must be greater than or equal to the SVC_STRT_DT.
SVC_STRT_DT	Service From	The starting date of service for this solicitation.	CR	DATE	10	Required if LN_TYP is a Service Acceptable format is: "YYYY-MM-DD". Example: "2004-10-

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
						30". The Service From Date can be a past, current or future date. Agencies may provide a date if desired. Otherwise, leave blank and system will default it to the current date upon processing the interface file.
ADDL_HNDL_INFO	Additional Handling Info	Additional handling information.	O	VARCHAR2	1500	
HANDL_SPEC_INST	Special Handling	Handling instructions that are unique and important to a specific commodity item.	O	VARCHAR2	1500	
HAZ_MAT	Hazardous Materials	Indicates the shipment contains hazardous materials and any additional information about the hazardous material.	O	VARCHAR2	1500	
PKG_INST	Packing Instructions	The packing instructions associated with this item.	O	VARCHAR2	1500	
DET_INST	Detailed Instructions	Detailed instructions or additional information associated with this item.	O	VARCHAR2	1500	
CL_DSCR	CL Description	This field describes the item being procured. The value in this field is user entered.	R	VARCHAR2	60	Defaults from the COMM_DISCR value for the commodity code as stored on the Commodity Table. Can be overridden.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DSCR_EXT	Extended Description	The extended description associated with this document.	O	VARCHAR2	4000	

2.4.6 PO Document Component: PO_DOC_ACTG

The following XML tags are a requirement for PO documents being submitted into the eMARS system. See Appendix D for an example of a fully qualified PO XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document identification number assigned	R	VARCHAR2	20	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		for this transaction.				
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Document Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	NUMBER	10	Value: "1"
DOC_COMM_LN_NO	Commodity Line Number	The commodity line number visible to a user that uniquely identifies each commodity line within a document.	R	NUMBER	5	Starts with 1. Must have the commodity line number associated with the accounting line.
DOC_ACTG_LN_NO	Accounting Line Number	The accounting line number visible to a user that uniquely identifies each accounting line within a document.	R	NUMBER	5	Must be between 1 and 99. Please note that the number of lines increments based on the document, not based on the commodity line. For example, if Commodity Line 1 has two accounting lines and Commodity line 2 has three accounting lines, then the accounting line numbers for the Commodity line 2 will be numbered as 3, 4 and 5. If this is a modification

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
						document, then this field must be the same as the original document's Accounting Line Number being referenced.
ACTG_TMPL_ID	Accounting Template	The unique identification code assigned to the accounting template. Accounting templates are used to bring in chart of account element codes for ease of data entry on documents.	R	VARCHAR2	6	Must be a valid value on the Accounting Template (ACTPL) table
EVNT_TYP_ID	Event Type	Event Type determines the journal postings and business rules for a particular transaction.	R	VARCHAR2	4	Allowable event types are: PR05, PR06 and PR07. If left blank the system will populate with PR05 which is the default. This is encumbered contract with an external vendor. P06-encumbered contract with internal vendor. P07-non-encumbered contract.
LN_AM	Line Amount	The amount of an individual accounting line.	R	DECIMAL	14, 2	Example: 50.00
FUND_CD	Fund	The identification code associated with the fund.	O	VARCHAR2	4	If provided, must be valid on Fund (FUND) table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
SFUND_CD	Sub Fund	The identification code associated with the sub-fund.	O	VARCHAR2	4	If entered, must be valid on the Sub Fund table. To enter a Sub Fund Code, the Fund Code must be entered.
OBJ_CD	Object	The identification code associated with an object of expenditure.	O	VARCHAR2	4	If provided, must be valid on the Object table.
SOBJ_CD	Sub Object	The identification code associated with the sub-object. Sub-object is a fund accounting Chart of Accounts element.	O	VARCHAR2	4	If entered, must be valid on the Sub Object table. To enter a Sub Object Code, the Object Code must be entered.
RSRC_CD	Revenue	Revenue sources are used to track individual sources of revenue taken in.	O	VARCHAR2	4	If provided, must be valid on the Revenue table.
SRSRC_CD	Sub Revenue	The identification code associated with the sub revenue source account.	O	VARCHAR2	4	If entered, must be valid on the Sub Revenue Source table. To enter a Sub Revenue Source Code, the Revenue Source Code must be entered.
DEPT_CD	Department	An identification code associated with a department.	R	VARCHAR2	4	Must be valid on Department Fiscal Year Controls table.
UNIT_CD	Unit	An identification code associated with a Unit.	O	VARCHAR2	4	If entered, must be valid on the Unit table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
SUNIT_CD	Sub Unit	Sub Unit is a means of breaking down a unit code into smaller measurements. It is the lowest level of organizational structure and is required or prohibited based on one or more sub unit requirement tables.	O	VARCHAR2	4	If entered, must be valid on the Sub Unit table. To enter a Sub Unit Code, the Unit Code must be entered.
APPR_CD	Appr Unit	The identification code associated to an appropriation unit.	O	VARCHAR2	9	If entered, must be valid on the Appropriation table.
BSA_CD	BSA	The identification code assigned to the balance sheet account.	O	VARCHAR2	4	If entered, must be valid on Balance Sheet Account (BSA) table.
SBSA_CD	Sub BSA	The identification code assigned to the sub-balance sheet account.	O	VARCHAR2	4	If entered, must be valid on the Sub BSA table. To enter a Sub BSA Code, the BSA Code must be entered.
DOBJ_CD	Dept Object	The identification code assigned to the Department object.	O	VARCHAR2	4	If entered, must be valid on the Department Object table.
DRSRC_CD	Dept Revenue	The code assigned to the department revenue source.	O	VARCHAR2	4	If entered, must be valid on the Department Revenue Source table.
LOC_CD	Location	The identification code assigned to the location.	O	VARCHAR2	4	If entered, must be valid on the Location table.
SLOC_CD	Sub Location	The identification code associated with the sub-	O	VARCHAR2	4	If entered, must be valid on the Sub Location table. To enter a Sub Location Code,

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		location.				the Location Code must be entered.
ACTV_CD	Activity	The identification code associated with the activity.	O	VARCHAR2	4	If entered, must be valid on the Activity table.
SACTV_CD	Sub Activity	The identification code associated with the sub-activity.	O	VARCHAR2	4	If entered, must be valid on the Sub Activity table. To enter a Sub Activity Code, the Activity Code must be entered.
FUNC_CD	Function	The identification code associated with the function. The function code defines broad operational objectives, such as instruction, support services, and facilities acquisition.	O	VARCHAR2	10	If entered, must be valid on the Function table.
SFUNC_CD	Sub Function	The identification code associated with the sub-function.	O	VARCHAR2	4	If entered, must be valid on the Sub Function table. To enter a Sub Function Code, the Function Code must be entered.
RPT_CD	Reporting	The reporting code element is used for tracking contract activity. The contract number will be entered in this field.	O	VARCHAR2	10	If entered, must be valid on the Reporting Code table.
SRPT_CD	Sub Reporting	Sub reporting codes define contract periods.	O	VARCHAR2	4	If entered, must be valid on the Sub Reporting table. To enter a Sub Reporting Code, the Reporting Code must be entered.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
TASK_CD	Task	The unique identification code assigned to the task.	O	VARCHAR2	4	If entered, must be valid on the Task table.
STASK_CD	Sub Task	The sub task is a means of breaking down tasks into smaller components.	O	VARCHAR2	4	If entered must be valid on Sub Task table. To enter a Sub Task Code, the Task Code must be entered.
TASK_ORD_CD	Task Order	The unique identification code assigned to the task order.	O	VARCHAR2	6	If entered, must be valid on the Task Order table.
PROG_CD	Program	The identification code assigned to the project. Project is a cost accounting Chart of Accounts element.	O	VARCHAR2	10	If entered, must be valid on the Program Setup table.
PHASE_CD	Phase	The identification code assigned to the phase. Phase is a cost accounting Chart of Accounts element representing a phase of a project.	O	VARCHAR2	6	If entered, must be valid on the Program Phase table. To enter a Phase Code, the Program Code must be entered.
PPC_CD	Program Period	The identification code assigned to the project period.	O	VARCHAR2	6	If entered, must be valid on the Program Period table. To enter a Program Period Code, the Program Code must be entered (to infer the Major Program).

2.4.7 PO Document Component: PO_DOC_TCLIST

The following XML tags are a requirement for PO documents being submitted into the eMARS system. See Appendix D for an example of a fully qualified PO XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
TC_NO	T & C	The unique identification code for the terms and conditions	R	VARCHAR2	6	Must be a valid value on TRMC table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		record.				For Transportation interfaces, set it to "TRANSP".
DOC_TCLIST_LN_NO	n/a	The Terms and Conditions line number that uniquely identifies each line within a document.	R	NUMBER	5	Set to "1".
TC_SECT	Section	The section of Terms and Conditions.	R	VARCHAR2	6	Set to "1".
TC_ICORP	Inc By	Indicates whether reference terms and conditions information without detail information or all terms and conditions information detail information is printed on the solicitation or award.	R	Number	3	Set to "1", i.e. "By Full Text".
RICHTEXT_FILE_NM	T&C Attachment File Name	The name of the Terms and Conditions attachment file.	R	VARCHAR2	60	For Transportation interfaces, set to "KYTC_Interfaces_T&C_Template.xml" – case-sensitive .
ATTACHMENT sub-section (for further information on formatting this section, refer to the PO XML Example in Appendix D)						
FileName	File Name	The name of the Terms and Conditions attachment file.	R	VARCHAR2	60	For Transportation interfaces, set to "KYTC_Interfaces_T&C_Template.xml" – case-sensitive .

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
ExportFileName	n/a	The name of the attachment file on the ExportImport folder of the Unix server.	R	VARCHAR2	60	For Transportation interfaces, set to "KYTC_Interfaces_T&C_Template.xml" – case-sensitive .
Type	Type	The type of the Terms and Conditions attachment file.	R	Number	3	Set to "4", i.e. "Document XML".

2.5 Cash Receipt (CR) Document Usage

2.5.1 Current MARS Process

Currently, the Commonwealth departments utilize Cash Receipt (CR) documents and Simplified Cash Receipts (C1) to interface with the MARS system.

2.5.2 New eMARS Process

The C1 document type will be going away with the upgrade to eMARS. The new Cash Receipt (CR) will be used for both the CR and C1 documents currently being utilized in MARS.

- There can be up to 99 accounting lines present on the document
- CR Modification documents cannot be sent through the Interface.
- The CR documents received through interfaces can reference Receivable (RE) documents

2.6 Cash Receipt (CR) Transaction Layout

The Cash Receipt (CR) document records all monies collected via a cash deposit or Electronic Funds Transfer (EFT) deposit. This includes collections against outstanding accounts receivables, cash basis revenue, and non-revenue-related receipts (for example, refunds posted to objects of expenditures and deposits into funds).

The XML based CR transaction consists of 5 required components. Figure 2-6 is a graphical representation of all components, the action explaining whether its inclusion is required or not, and its description. Figure 2-7 further illustrates the CR document showing that it will have one AMS_DOCUMENT record, one CR_DOC_HDR, and one CR_DOC_VEND that can have one or multiple

CR_DOC_ACTG records associated up to 99 additional. The remaining sections explain each component that constitutes a complete XML based CR document.

The structure of an XML file with 2 CR documents where each document is associated with 1 vendor record and 2 accounting records will be as follows:

Document record #1
 Header record
 Vendor record 1
 Accounting record 1
 Accounting record 2

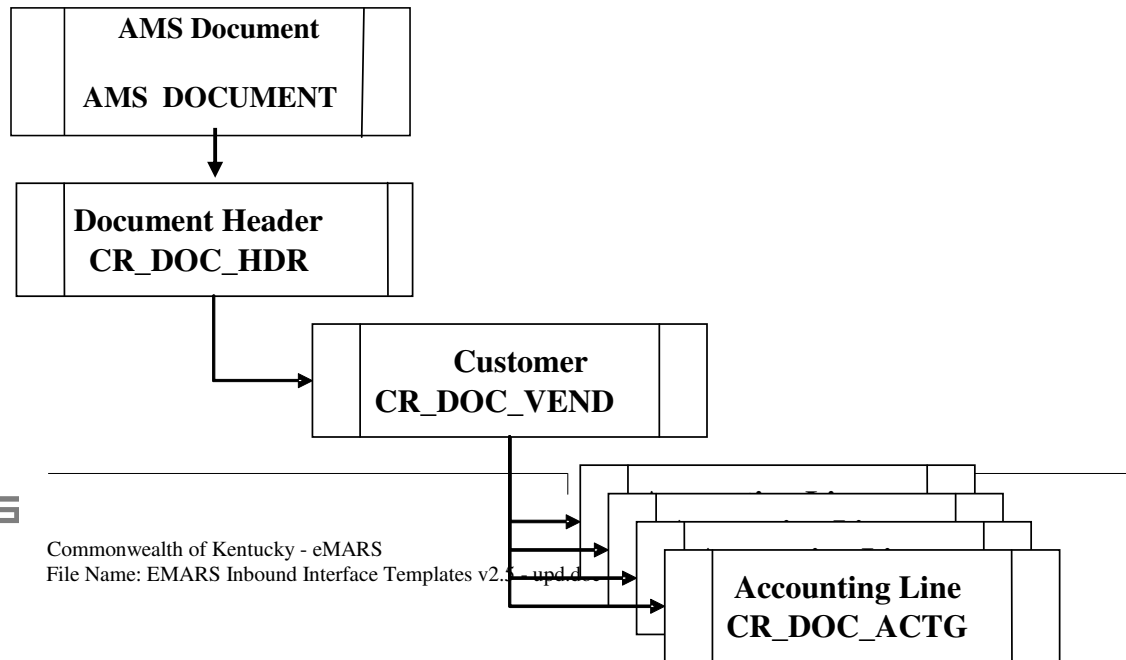
Document record #2
 Header record
 Vendor record 1
 Accounting record 1
 Accounting record 2

Figure 2-6: CR Transaction Required XML components

	Action	
	Original entry	Component description
AMS_DOC_XML_IMPORT_FILE	Required	Unique Tag used to identify the beginning and ending of an inbound XML interface file.

AMS_DOCUMENT	Required	Unique Tag used to identify the beginning and ending of a document within an inbound XML interface file.
CR_DOC_HDR	Required	Unique Tag used to identify the beginning and ending of a header component within a document.
CR_DOC_VEND	Required	Unique Tag used to identify the beginning and ending of a vendor component within a document.
CR_DOC_ACTG	Required	Unique Tag used to identify the beginning and ending of an accounting line within a document.

Figure 2-7: CR Document Components



2.6.1 CR Document Component: AMS_DOC_XML_IMPORT_FILE

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix E for an example of a fully qualified CR XML example:

XML Tag	Description	R/C
AMS_DOC_XML_IMPORT_FILE	Required XML beginning and ending tag for a CR document	R

2.6.2 CR Document Component: AMS_DOCUMENT

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix E for an example of a fully qualified CR XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	'AR'
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	'CR'
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	'CR'
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Valid Department Code on the Department table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_UNIT_CD	Document Unit	The unit code associated with this document which can be used to facilitate workflow.	R	VARCHAR2	4	Valid Unit Code on the Unit table.
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Assigned by the agency. See section 1.3.3
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	Number	2	Set to "1".
AUTO_DOC_NUM	Automatic Document Numbering	Indicates that system will assign a unique Document ID: "true" for system assigned Document ID number or "false" for no system assigned Document ID Number.	R	VARCHAR2	5	Set to "false".
DOC_IMPORT_MODE	Document Import Mode	Indicates that the document is being made as an Original Entry "OE".	R	Text	3	Set to "OE" for Original Entry.

2.6.3 CR Document Component: CR_DOC_HDR

The following XML tags are a requirement for CR documents being submitted into the eMARS system. See Appendix E for an example of a fully qualified CR XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as defined in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as defined in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned to the transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_REC_DT_DC	Record date	The record date manually entered on the document header. If not manually entered, the date becomes the one when the document was submitted successfully.	O	Date	10	If left blank, the system will default it to the current date. If provided, the format of this date is "YYYY-MM-DD". Example: "2004-10-30".

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_BFY	Budget FY	When on the header of a document, this is the default budget fiscal year that will be pushed to all accounting lines.	CR	NUMBER	4	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document.</p> <p>If posting to a prior fiscal year, provide the budget fiscal year.</p> <p>If provided, must be valid on the Fiscal Year table and follow the format "YYYY".</p>
DOC_FY_DC	Fiscal Year	The fiscal year associated with this document.	CR	NUMBER	4	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document.</p> <p>If posted to the 13th accounting period in the prior fiscal year, the Fiscal Year must be entered.</p> <p>If provided, must be valid on the Fiscal Year table and follow the format "YYYY".</p>

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_PER_DC	Period	The manually entered accounting period for a document in draft. If not manually entered, the field remains blank until the document is submitted successfully. At this point it will be set to the current accounting period.	CR	NUMBER	2	Leave blank unless it is July and the document needs to be posted in the prior year. If left blank, the system will populate it with the Fiscal Period of the Record Date on associated document. If posted to the 13th accounting period in the prior fiscal year, the Fiscal Period must be entered. If provided, the valid value is 13.
BANK_ACCT_CD	Bank Account	The unique identification code associated with the bank account. A bank account code is used in place of the actual bank account to eliminate the need to post actual bank account numbers throughout the system.	R	VARCHAR2	4	Must be valid on the BANK table.
PYMT_TYP_IND	Payment Type	The type of payment/deposit being made.	R	NUMBER	10	Valid Values are: "1" for Cash and Checks "3" for EFT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DPS_TKT_NO	Deposit Ticket	The identification number assigned to the deposit ticket.	CR	VARCHAR2	25	If Payment Type = "3" for EFT then Deposit ticket is Required and should be set to the DOC_ID. Otherwise leave blank.
DPS_DT	Deposit Date	The date the deposit was made.	CR	Date	10	If Payment Type = "3" for EFT then the Deposit Date is Required. Otherwise leave blank.
SPRS_PEND_PRN_FL	Suppress Pend Print	Indicates that the entry is not copied to the Cash Receipt Pending Print table. If selected, the flag overrides the deposit print setting on the options and controls page (i.e., the cash receipt is not used in the Deposit Ticket Print process). If selected, the deposit print setting on the options and controls page determines whether the cash receipt is used in the Deposit Ticket Print process.	CR	VARCHAR2	5	If Payment Type = "3" for EFT, then set to "true" (i.e. Selected) Otherwise set to "false" (i.e. Not Selected)
DOC_NM	Document Name	Name for the document.	O	VARCHAR2	60	The value in this field should be descriptive about details of the cash receipt. The contents of this field will be posted to the data warehouse.
DOC_DSCR	Document Description	The description associated with the document.	O	VARCHAR2	60	

2.6.4 CR Document Component: CR_DOC_VEND

The following XML tags are a requirement for CR documents being submitted into the eMARS system. See Appendix E for an example of a fully qualified CR XML example.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document which can be used to facilitate workflow.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned to the transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Document Vendor Line Number	The customer line number visible to a user that uniquely identifies each customer line within a document.	R	NUMBER	5	Value: " 1"

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
VEND_CUST_CD	Vendor Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	O	VARCHAR2	20	Only non-miscellaneous customer codes can be entered. If entered, must be a valid/active customer code on the Vendor Customer table. As of the date of this document, this field will be submitted with no data. However, the interface does provide the capability to enter data into this field if it should be requested in the future.
AD_ID	Address Code	The Address Code or ID given to a unique address for a vendor or customer	CR	VARCHAR2	20	If the VEND_CUST_CD is provided, then a valid and active billing address ID for the VEND_CUST_CD on the Vendor Customer table must be provided too.
CNTAC_ID	Vendor Contact ID	The unique identification number assigned to the contact	O	VARCHAR2	20	If not provided, the system will default it upon processing the interface file. If provided, it must be valid contact ID for the VEND_CUST_CD on the Vendor Customer table.
VL_AM	Line Amount	Dollar amount for all lines tied to a particular vendor line.	R	DECIMAL	14,2	Example: 50.00

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
CHK_EFT_NO	Check/EFT Number	The Check/EFT Number field specifies whether a disbursement document requires the entry or inference of a valid Check or EFT Number.	CR	VARCHAR2	25	If Payment Type = "3" for EFT then Check/EFT Number is required.
RFED_DOC_CD	Ref Doc Code	The document code from the referenced receivable document.	O	VARCHAR2	8	
RFED_DOC_DEPT_CD	Ref Doc Dept	Department code from the reference receivable document that is part of the complete document identification of a referenced document.	O	VARCHAR2	4	
RFED_DOC_ID	Ref Doc ID	The document identification code from the referenced receivable document.	O	VARCHAR2	20	
RFED_VEND_LN_NO	Ref Vendor Line	The customer line number from the referenced receivable document.	O	NUMBER	5	
RFED_ACTG_LN_NO	Ref Accounting Line	The accounting line number from the referenced receivable document.	O	NUMBER	5	

2.6.5 CR Document Component: CR_DOC_ACTG

The following XML tags are a requirement for CR documents being submitted into the eMARS system. See Appendix E for an example of a fully qualified CR XML example.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Doc Vendor Line Number	The customer line number visible to a user that uniquely identifies each customer line within a document.	R	NUMBER	5	Value: "1"

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_ACTG_LN_NO	Accounting Line	The accounting line number visible to a user that uniquely identifies each accounting line within a document.	R	NUMBER	5	Example: "1" Line numbering begins at 1 and is incremental for additional lines up to 99.
ACTG_TMPL_ID	Accounting Template	The unique identification code assigned to the accounting template. Accounting templates are used to bring in chart of account element codes for ease of data entry on documents.	CR	VARCHAR2	6	Required if not referencing another document. Optional if referencing another document. Must be valid on the Accounting Template table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
EVNT_TYP_ID	Event Type	Event Type determines the journal postings and business rules for a particular transaction.	CR	VARCHAR2	4	<p>Optional if referencing another document. Otherwise, it is required.</p> <p>If entered, must be one of the following types:</p> <ul style="list-style-type: none"> AR02 Collect Earned Revenue AR11 Collect Unearned Revenue AR13 Collect Pre Payment AR21 Collect Deposit AR32 Collect Vendor Refund AR40 Collect Unreserved Overpayment AR41 Collect Reserved Overpayment AR51 Collect to Asset Account AR53 Collect to Liability Account AR55 Collect to Equity Account

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
LN_AM	Line Amount	The amount of an individual accounting line	R	DECIMAL	14,2	Value can be positive or negative. Example: 50.00
ACTG_LN_DSCR	Line Description	The description associated with the line. This description will be available for reports.	O	VARCHAR2	100	Department may provide Accounting Line Description in this data element.
FUND_CD	Fund	The identification code associated with the fund.	O	VARCHAR2	4	If provided, must be valid on Fund (FUND) table.
SFUND_CD	Sub Fund	The identification code associated with the sub-fund.	O	VARCHAR2	4	If entered, must be valid on the Sub Fund table. To enter a Sub Fund Code, the Fund Code must be entered.
OBJ_CD	Object	The identification code associated with an object of expenditure.	O	VARCHAR2	4	If provided, must be valid on the Object table.
SOBJ_CD	Sub Object	The identification code associated with the sub-object. Sub-object is a fund accounting Chart of Accounts element.	O	VARCHAR2	4	If entered, must be valid on the Sub Object table. To enter a Sub Object Code, the Object Code must be entered.
RSRC_CD	Revenue	Revenue sources are used to track individual sources of revenue taken in.	O	VARCHAR2	4	If provided, must be valid on the Revenue table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
SRSRC_CD	Sub Revenue	The identification code associated with the sub revenue source account.	O	VARCHAR2	4	If entered, must be valid on the Sub Revenue Source table. To enter a Sub Revenue Source Code, the Revenue Source Code must be entered.
DEPT_CD	Department	An identification code associated with a department.	R	VARCHAR2	4	Must be valid on Department Fiscal Year Controls table.
UNIT_CD	Unit	An identification code associated with a Unit.	O	VARCHAR2	4	If entered, must be valid on the Unit table.
SUNIT_CD	Sub Unit	Sub Unit is a means of breaking down a unit code into smaller measurements. It is the lowest level of organizational structure and is required or prohibited based on one or more sub unit requirement tables.	O	VARCHAR2	4	If entered, must be valid on the Sub Unit table. To enter a Sub Unit Code, the Unit Code must be entered.
APPR_CD	Appr Unit	The identification code associated with an appropriation unit.	O	VARCHAR2	9	If entered, must be valid on the Appropriation table.
BSA_CD	BSA	The identification code assigned to the balance sheet account.	O	VARCHAR2	4	If entered, must be valid on Balance Sheet Account (BSA) table.
SBSA_CD	Sub BSA	The identification code assigned to the sub-balance sheet account.	O	VARCHAR2	4	If entered, must be valid on the Sub BSA table. To enter a Sub BSA Code, the BSA Code must be entered.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOBJ_CD	Dept Object	The identification code assigned to the Department object.	O	VARCHAR2	4	If entered, must be valid on the Department Object table.
DRSRC_CD	Dept Revenue	The code assigned to the department revenue source.	O	VARCHAR2	4	If entered, must be valid on the Department Revenue Source table.
LOC_CD	Location	The identification code assigned to the location.	O	VARCHAR2	4	If entered, must be valid on the Location table.
SLOC_CD	Sub Location	The identification code associated with the sub-location.	O	VARCHAR2	4	If entered, must be valid on the Sub Location table. To enter a Sub Location Code, the Location Code must be entered.
ACTV_CD	Activity	The identification code associated with the activity.	O	VARCHAR2	4	If entered, must be valid on the Activity table.
SACTV_CD	Sub Activity	The identification code associated with the sub-activity.	O	VARCHAR2	4	If entered, must be valid on the Sub Activity table. To enter a Sub Activity Code, the Activity Code must be entered.
FUNC_CD	Function	The identification code associated with the function. The function code defines broad operational objectives, such as instruction, support services, and facilities acquisition.	O	VARCHAR2	10	If entered, must be valid on the Function table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
SFUNC_CD	Sub Function	The identification code associated with the sub-function.	O	VARCHAR2	4	If entered, must be valid on the Sub Function table. To enter a Sub Function Code, the Function Code must be entered.
RPT_CD	Reporting	The reporting code element is used for tracking contract activity. The contract number will be entered in this field.	O	VARCHAR2	10	If entered, must be valid on the Reporting Code table.
SRPT_CD	Sub Reporting	Sub reporting codes define contract periods.	O	VARCHAR2	4	If entered, must be valid on the Sub Reporting table. To enter a Sub Reporting Code, the Reporting Code must be entered.
TASK_CD	Task	The unique identification code assigned to the task.	O	VARCHAR2	4	If entered, must be valid on the Task table.
STASK_CD	Sub Task	The sub task is a means of breaking down tasks into smaller components.	O	VARCHAR2	4	If entered must be valid on Sub Task table. To enter a Sub Task Code, the Task Code must be entered.
TASK_ORD_CD	Task Order	The unique identification code assigned to the task order.	O	VARCHAR2	6	If entered, must be valid on the Task Order table.
PROG_CD	Program	The identification code assigned to the project. Project is a cost accounting Chart of Accounts element.	O	VARCHAR2	10	If entered, must be valid on the Program Setup table.
PHASE_CD	Phase	The identification code assigned to the phase. Phase is a cost accounting Chart of Accounts element representing a phase of a project.	O	VARCHAR2	6	If entered, must be valid on the Program Phase table. To enter a Phase Code, the Program Code must be entered.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
PPC_CD	Program Period	The identification code assigned to the project period.	0	VARCHAR2	6	If entered, must be valid on the Program Period table. To enter a Program Period Code, the Program Code must be entered (to infer the Major Program).

2.7 Manual Disbursements (MD) Document Usage

2.7.1 Current MARS Process

Currently, the Commonwealth departments utilize Manual Warrants (MW) to record manual check transactions from the Uniform Personnel and Payroll System (UPPS) and Treasury. Also, the Commonwealth departments utilize Manual Warrants (MWW) and Manual Warrant Investment (MWI) documents to record federal wire manual warrants for payment of goods or services and manual warrants for investments, respectively.

2.7.2 New eMARS Process

The new Manual Disbursements (MD) document will be used for treasury manual warrants while UPPS related information will use the Payment Request Commodity (PRC) document. The upgrade to eMARS will discontinue the use of the MWW and MWI documents. The new Manual Disbursements (MD) document with use of the 'Adjusting Entry Flag' will be used to record federal wires for goods, services, or payments as well as manual warrants for purchasing investments.

- There can be up to 99 accounting lines present on the document
- MD Modification documents cannot be sent through the Interface.
- The MD documents received through interfaces will not reference any other documents.

2.8 Manual Disbursement (MD) Transaction Layout

The XML based MD transaction consists of 5 required components. Figure 2-8 is a graphical representation of all components, the action explaining whether its inclusion is required or not, and its description. Figure 2-9 further illustrates the MD document showing that it will have one AMS_DOCUMENT record, one MD_DOC_HDR and one MD_DOC_VEND that can have one or multiple MD_DOC_ACTG records associated with a maximum of 99 accounting lines. The remaining sections explain each component that constitutes a complete XML based MD document.

The structure of an XML file with 2 MD documents where each document is associated with 1 vendor record and 2 accounting records will be as follows:

Document record #1



Header record
 Vendor record 1
 Accounting record 1
 Accounting record 2

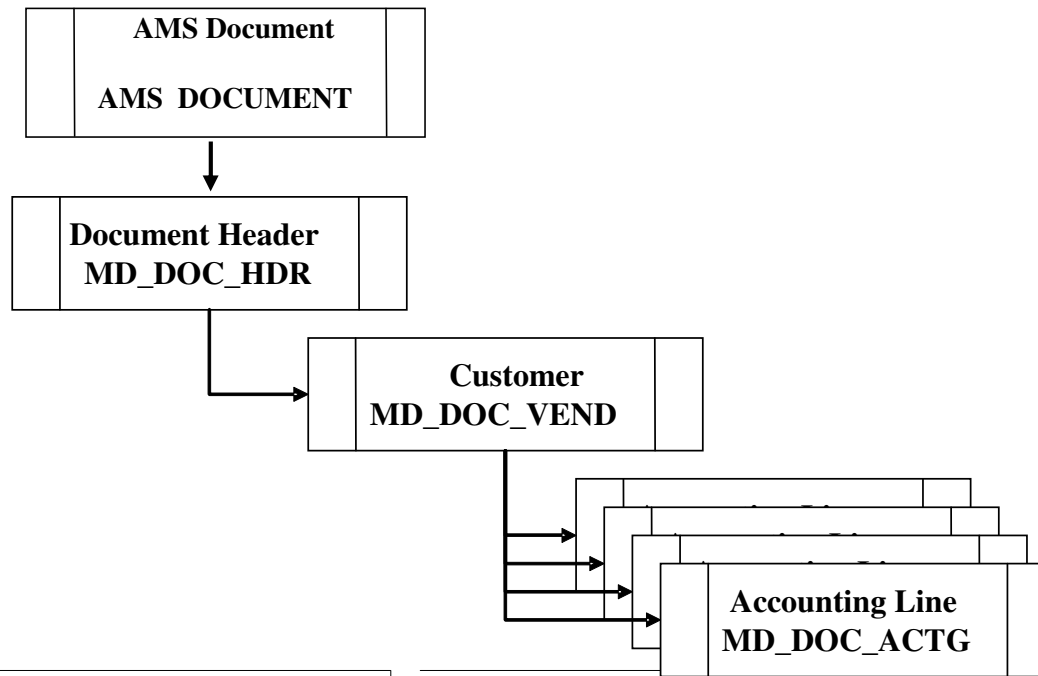
Document record #2
 Header record
 Vendor record 1
 Accounting record 1
 Accounting record 2

Figure 2-8: MD Transaction Required XML components

	Action	
	Original entry	Component description
AMS_DOC_XML_IMPORT_FILE	Required	Unique Tag used to identify the beginning and ending of an inbound XML interface file.
AMS_DOCUMENT	Required	Unique Tag used to identify the beginning and ending of a document within an inbound XML interface file.
MD_DOC_HDR	Required	Unique Tag used to identify the beginning and ending of a header component within a document.

MD_DOC_VEND	Required	Unique Tag used to identify the beginning and ending of a vendor component within a document.
MD_DOC_ACTG	Required	Unique Tag used to identify the beginning and ending of an accounting line within a document.

Figure 2-9: MD Document Components



2.8.1 MD Document Component: AMS_DOC_XML_IMPORT_FILE

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix F for an example of a fully qualified MD XML example:

XML Tag	Description	R/C
AMS_DOC_XML_IMPORT_FILE	Required XML beginning and ending tag for a MD document	R

2.8.2 MD XML Document Component: AMS_DOCUMENT

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix F for an example of a fully qualified MD XML example:

Attribute	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	"AP"
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	"MD"
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	"MD"
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Must be a Valid Department Code on the Department table.
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Must be valid on the UNIT table for the department.

Attribute	Caption	Description	R/C	Type	Max Size	Comments
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	See section 1.3.3
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Set to "1".
AUTO_DOC_NUM	Automatic Document Numbering	Indicates that system will assign a unique Document ID: "true" for system assigned Document ID number or "false" for no system assigned Document ID Number.	R	VARCHAR2	5	Set to "false".
DOC_IMPORT_MODE	Document Import Mode	Indicates that the document is being made as an Original Entry "OE".	R	VARCHAR2	3	Set to "OE" for Original Entry.

2.8.3 MD XML Document Component: MD_DOC_HDR

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix F for an example of a fully qualified MD XML example:

Attribute	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT

Attribute	Caption	Description	R/C	Type	Max Size	Comments
DOC_CD	Document Code	The document code assigned to this document.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_NM	Document Name	Name for the document.	O	VARCHAR2	60	The value in this field should be descriptive about the manual disbursement. The contents of this field will be posted to the data warehouse.
DOC_REC_DT_DC	Record date	This is the printed date on the check.	O	VARCHAR2	10	If left blank, the system will default it to the current date. If provided, the format of this date is "YYYY-MM-DD". Example: "2004-10-30".

Attribute	Caption	Description	R/C	Type	Max Size	Comments
DOC_BFY	Budget FY	When on the header of a document, this is the default budget fiscal year that will be pushed to all accounting lines.	CR	NUMBER	4	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document.</p> <p>If posting to a prior fiscal year, provide the budget fiscal year.</p> <p>If provided, must be valid on the Fiscal Year table and follow the format "YYYY".</p>
DOC_FY_DC	Fiscal Year	The fiscal year associated with this document.	CR	NUMBER	4	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document.</p> <p>If posted to the 13th accounting period in the prior fiscal year, the Fiscal Year must be entered.</p> <p>If provided, must be valid on the Fiscal Year table and follow the format "YYYY".</p>

Attribute	Caption	Description	R/C	Type	Max Size	Comments
DOC_PER_DC	Period	The manually entered accounting period for a document in draft. If not manually entered, the field remains blank until the document is submitted successfully. At this point it will be set to the current accounting period.	CR	NUMBER	2	Leave blank unless it is July and the document needs to be posted in the prior year. If left blank, the system will populate it with the Fiscal Period of the Record Date on associated document. If posted to the 13th accounting period in the prior fiscal year, the Fiscal Period must be entered. If provided, the valid value is 13.
CHK_EFT_ISS_DT	Check/ EFT Issue Date	The date that the Check / EFT was issued. Usually, this date will be similar to the Record Date.	O	VARCHAR2	10	If left blank, the system will default it to the current date. If provided, the format of this date is "YYYY-MM-DD". Example: "2004-10-30".
BANK_ACCT_CD	Bank Account	The unique identification code associated with the bank account. This code is the key to the Bank (BANK) table.	R	VARCHAR2	4	Must be valid on the BANK table.
CHK_NO	Check Number	The number of the check.	CR	VARCHAR2	15	Required when submitting a manual check entry. Otherwise, leave blank.
MNL_PRINT_CHK_FL	Manual Check	This flag is selected when the check was issued manually.	CR	VARCHAR2	5	Set to 'true' when submitting a manual check entry. Otherwise, leave blank.

Attribute	Caption	Description	R/C	Type	Max Size	Comments
ADJ_ENTRY_FL	Adjusting Entry	This flag is selected when the MD Document is being used to record the transaction.	CR	VARCHAR2	5	Set to 'true' when recording manual disbursement to purchase investments. Otherwise, leave blank.
DOC_DSCR	Document Description	The description associated with the document.	O	VARCHAR2	60	

2.8.4 MD XML Document Component: MD_DOC_VEND

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix F for an example of a fully qualified MD XML example:

Attribute	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The document code assigned to this document.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT

Attribute	Caption	Description	R/C	Type	Max Size	Comments
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Document Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	Number	5	Must be set to "1"
VEND_CUST_CD	Vendor Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VARCHAR2	20	It can be miscellaneous or non-miscellaneous vendor code. Must be a valid/active vendor code on the Vendor Customer table. If a miscellaneous vendor code is specified, then the following fields are required: Legal Name, Address 1, and City.
LGL_NM	Legal Name	The legally defined name of the company or individual represented by this record.	CR	VARCHAR2	60	Optional when using non-miscellaneous vendor codes. Required when using miscellaneous vendor codes to record a manual check. To record a manual warrant to purchase investments, set this field to the save value as the VEND_CUST_CD.

Attribute	Caption	Description	R/C	Type	Max Size	Comments
ALIAS_NM	Alias/DBA	The alternate name, alias or operating name (doing business as).	O	VARCHAR2	60	Leave blank for non-miscellaneous vendor codes. It will be inferred by the system upon processing the interface file. Optional if using a miscellaneous vendor.
AD_ID	Address Code	The Address Code given to a unique address for a vendor.	CR	VARCHAR2	20	Leave blank for miscellaneous vendor codes. For non-miscellaneous vendor codes, it must be provided and valid/active payment address ID for the VEND_CUST_CD on the Vendor Customer table.
AD_LN_1	Address Line 1	The first line of the address.	CR	VARCHAR2	75	Leave blank for non-miscellaneous vendor codes. It will be inferred by the system upon processing the interface file. Required when using a miscellaneous vendor code to record a manual check. To record a manual warrant to purchase investments, set this field to the same value as the VEND_CUST_CD.

Attribute	Caption	Description	R/C	Type	Max Size	Comments
AD_LN_2	Address Line 2	The second line of the address.	O	VARCHAR2	75	Leave blank for non-miscellaneous vendor codes. It will be inferred by the system upon processing the interface file. Optional if using a miscellaneous vendor.
CITY	City	The city name associated with the address. If a miscellaneous vendor (MISC) is used, this field is required.	CR	VARCHAR2	60	Leave blank for non-miscellaneous vendor codes. It will be inferred by the system upon processing the interface file. Required when using a miscellaneous vendor code to record a manual check. To record a manual warrant to purchase investments, set this field to the same value as the VEND_CUST_CD.
ST	State	The state or province.	O	VARCHAR2	2	Leave blank for non-miscellaneous vendor codes. It will be inferred by the system upon processing the interface file. Optional if using a miscellaneous vendor.

Attribute	Caption	Description	R/C	Type	Max Size	Comments
ZIP	Zip	The zip code associated with the address.	O	VARCHAR2	10	Leave blank for non-miscellaneous vendor codes. It will be inferred by the system upon processing the interface file. Optional if using a miscellaneous vendor. For US based addresses, the format is either 99999 or 99999-9999
CTRY	Country	The unique identification code associated with the country.	O	VARCHAR2	3	Leave blank for non-miscellaneous vendor codes. It will be inferred by the system upon processing the interface file. Optional if using a miscellaneous vendor.
CNTAC_ID	Vendor Contact ID	The unique identification number assigned to the contact.	O	VARCHAR2	20	Optional for non-miscellaneous vendor codes. Leave blank for miscellaneous vendor codes. If not entered for non-miscellaneous vendor codes, will be defaulted upon processing the interface file. If entered for non-miscellaneous vendor codes, it must be valid contact ID for the VEND_CUST_CD on the Vendor Customer table.

Attribute	Caption	Description	R/C	Type	Max Size	Comments
TIN	Taxpayer ID	The taxpayer identification number from the 1099 Reporting Information page.	CR	VARCHAR2	9	For miscellaneous vendors, if the object code is 1099 reportable, then TIN must be entered.
TIN_TYP	Taxpayer ID Number Type	The type associated with the taxpayer identification number. Valid values include: SSN/ITIN/ATIN or EIN.	CR	VARCHAR2	1	If the Taxpayer ID Number is required, then the Taxpayer ID Number Type must be entered too. If provided, valid values are: '1' = EIN '2' = 'SSN/ITIN/ATIN'

2.8.5 MD XML Document Component: MD_DOC_ACTG

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix F for an example of a fully qualified MD XML example:

Attribute	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT

Attribute	Caption	Description	R/C	Type	Max Size	Comments
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Doc Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	NUMBER	5	Value: "1"
DOC_ACTG_LN_NO	Accounting Line Number	The accounting line number visible to a user that uniquely identifies each accounting line within a document.	R	NUMBER	5	Example: "1" Line numbering begins at 1 and should be incremental by one for additional lines up to 99.
ACTG_TMPL_ID	Accounting Template	The unique identification code assigned to the accounting template. Accounting templates are used to bring in chart of account element codes for ease of data entry on documents.	R	VARCHAR2	6	Must be valid on the Accounting Template table.
EVNT_TYP_ID	Event Type	Event Type determines the journal postings and business rules for a particular transaction.	R	VARCHAR2	4	Set to 'DI51' if issuing a manual check. Set to 'DI57' if recording manual warrant to purchase investments.

Attribute	Caption	Description	R/C	Type	Max Size	Comments
LN_AM	Line Amount	The line amount associated with the accounting line.	R	DECIMAL	14,2	Example: 50.00
ACTG_LN_DSCR	Line Description	The description associated with the line. This description is posted to the accounting journal and is available for reporting.	O	VARCHAR2	100	Department may provide Accounting Line Description in this data element.
CHK_DSCR	Check Descr	The text to be printed on the check stub.	R	VARCHAR2	50	Enter reason for check issue.
VEND_INV_NO	Vendor Inv No	The invoice number of the invoice received from the vendor. The Vendor Invoice Number must be unique and cannot already exist on the Vendor Invoice Registry table for the referenced vendor.	R	VARCHAR2	30	Enter the Vendor Invoice Number.
VEND_INV_LN_NO	Vendor Inv Ln	The invoice line number of the invoice received from the vendor.	R	NUMBER	5	Set to the value of the DOC_ACTG_LN_NO.
VEND_INV_DT	Vendor Inv Dt	The date of the invoice received from the vendor.	R	Date	10	Enter Check Date
REPL_FL	Replacement	Replacement is a checkbox that indicates if the document is related to reissuing a check or EFT that was originally part of a warrant file sent to Treasury.	R	VARCHAR2	5	Set to "null" for "Not Selected".
FUND_CD	Fund	The identification code associated with the fund.	O	VARCHAR2	4	If provided, must be valid on Fund (FUND) table.

Attribute	Caption	Description	R/C	Type	Max Size	Comments
SFUND_CD	Sub Fund	The identification code associated with the sub-fund.	O	VARCHAR2	4	If entered, must be valid on the Sub Fund table. To enter a Sub Fund Code, the Fund Code must be entered.
OBJ_CD	Object	The identification code associated with an object of expenditure.	CR	VARCHAR2	4	Required if using event type 'DI51'. If provided, must be valid on the Object table.
SOBJ_CD	Sub Object	The identification code associated with the sub-object. Sub-object is a fund accounting Chart of Accounts element.	O	VARCHAR2	4	If entered, must be valid on the Sub Object table. To enter a Sub Object Code, the Object Code must be entered.
RSRC_CD	Revenue	Revenue sources are used to track individual sources of revenue taken in.	O	VARCHAR2	4	If provided, must be valid on the Revenue table.
SRSRC_CD	Sub Revenue	The identification code associated with the sub revenue source account.	O	VARCHAR2	4	If entered, must be valid on the Sub Revenue Source table. To enter a Sub Revenue Source Code, the Revenue Source Code must be entered.
DEPT_CD	Department	An identification code associated with a department.	R	VARCHAR2	4	Must be valid on Department Fiscal Year Controls table.
UNIT_CD	Unit	An identification code associated with a Unit.	O	VARCHAR2	4	If entered, must be valid on the Unit table.

Attribute	Caption	Description	R/C	Type	Max Size	Comments
SUNIT_CD	Sub Unit	Sub Unit is a means of breaking down a unit code into smaller measurements. It is the lowest level of organizational structure and is required or prohibited based on one or more sub unit requirement tables.	O	VARCHAR2	4	If entered, must be valid on the Sub Unit table. To enter a Sub Unit Code, the Unit Code must be entered.
APPR_CD	Appr Unit	The identification code associated to an appropriation unit.	O	VARCHAR2	9	If entered, must be valid on the Appropriation table.
BSA_CD	BSA	The identification code assigned to the balance sheet account.	CR	VARCHAR2	4	Required if using the event type 'DI57' to record manual warrant to purchase investments. If provided, must be valid on Balance Sheet Account (BSA) table.
SBSA_CD	Sub BSA	The identification code assigned to the sub-balance sheet account.	O	VARCHAR2	4	If entered, must be valid on the Sub BSA table. To enter a Sub BSA Code, the BSA Code must be entered.
DOBJ_CD	Dept Object	The identification code assigned to the Department object.	O	VARCHAR2	4	If entered, must be valid on the Department Object table.
DRSRC_CD	Dept Revenue	The code assigned to the department revenue source.	O	VARCHAR2	4	If entered, must be valid on the Department Revenue Source table.
LOC_CD	Location	The identification code assigned to the location.	O	VARCHAR2	4	If entered, must be valid on the Location table.

Attribute	Caption	Description	R/C	Type	Max Size	Comments
SLOC_CD	Sub Location	The identification code associated with the sub-location.	O	VARCHAR2	4	If entered, must be valid on the Sub Location table. To enter a Sub Location Code, the Location Code must be entered.
ACTV_CD	Activity	The identification code associated with the activity.	O	VARCHAR2	4	If entered, must be valid on the Activity table.
SACTV_CD	Sub Activity	The identification code associated with the sub-activity.	O	VARCHAR2	4	If entered, must be valid on the Sub Activity table. To enter a Sub Activity Code, the Activity Code must be entered.
FUNC_CD	Function	The identification code associated with the function. The function code defines broad operational objectives, such as instruction, support services, and facilities acquisition.	R	VARCHAR2	10	Inferred from accounting template
SFUNC_CD	Sub Function	The identification code associated with the sub-function.	O	VARCHAR2	4	If entered, must be valid on the Sub Function table. To enter a Sub Function Code, the Function Code must be entered.
RPT_CD	Reporting	The reporting code element is used for tracking contract activity. The contract number will be entered in this field.	O	VARCHAR2	10	If entered, must be valid on the Reporting Code table.

Attribute	Caption	Description	R/C	Type	Max Size	Comments
SRPT_CD	Sub Reporting	Sub reporting codes define contract periods.	O	VARCHAR2	4	If entered, must be valid on the Sub Reporting table. To enter a Sub Reporting Code, the Reporting Code must be entered.
TASK_CD	Task	The unique identification code assigned to the task.	O	VARCHAR2	4	If entered, must be valid on the Task table.
STASK_CD	Sub Task	The sub task is a means of breaking down tasks into smaller components.	O	VARCHAR2	4	If entered must be valid on Sub Task table. To enter a Sub Task Code, the Task Code must be entered.
TASK_ORD_CD	Task Order	The unique identification code assigned to the task order.	O	VARCHAR2	6	If entered, must be valid on the Task Order table.
PROG_CD	Program	The identification code assigned to the project. Project is a cost accounting Chart of Accounts element.	O	VARCHAR2	10	If entered, must be valid on the Program Setup table.
PHASE_CD	Phase	The identification code assigned to the phase. Phase is a cost accounting Chart of Accounts element representing a phase of a project.	O	VARCHAR2	6	If entered, must be valid on the Program Phase table. To enter a Phase Code, the Program Code must be entered.
PPC_CD	Program Period	The identification code assigned to the project period.	O	VARCHAR2	6	If entered, must be valid on the Program Period table. To enter a Program Period Code, the Program Code must be entered (to infer the Major Program).

2.9 General Accounting (GAX) Document Usage

2.9.1 Current MARS Process

Currently, departments generate Payments within their systems and interface that information to MARS using P1 (Vendor Payment Voucher) and PV(1) (Type 1 Payment Vouchers – Payment to Outside Vendors) documents. Additionally, Medicaid Refunds are interfaced in MARS by processing the JVC document.

2.9.2 New eMARS Process

In eMARS, payments can be processed directly online or interfaced through a batch process. This system interface design addresses the payment request using General Accounting Expense/Expenditure (GAX) document. The GAX document will be used for expenditure payments and does not require a reference to an encumbrance document. The GAX document will require an accounting template to be coded on the accounting line in order to identify the proper funding for the expenditure. Additionally, the Object is required to be coded on the Accounting line. The GAX payment will update budget tracking amount fields.

For interfaces, GAX Documents will have the following characteristics:

- There can be up to 99 accounting lines present on the document
- GAX Modification documents cannot be sent through the Interface.
- The GAX documents received through interfaces will not reference any other documents.

2.10 General Accounting (GAX) Transaction Layout

The XML based GAX transaction consists of 5 required components. Figure 2-10 is a graphical representation of all components, the action explaining whether its inclusion is required or not, and its description. Figure 2-11 further illustrates the GAX document showing that it will have one AMS_DOCUMENT record, one ABS_DOC_HDR, one ABS_DOC_VEND that can have one or multiple ABS_DOC_ACTG records associated. However, there can be a maximum of 99 ABS_DOC_ACTG components in one document. The remaining sections explain each component that constitutes a complete XML based GAX document.

The structure of an XML file with 2 GAX documents where each document is associated with 1 vendor record and 2 accounting records will be as follows:

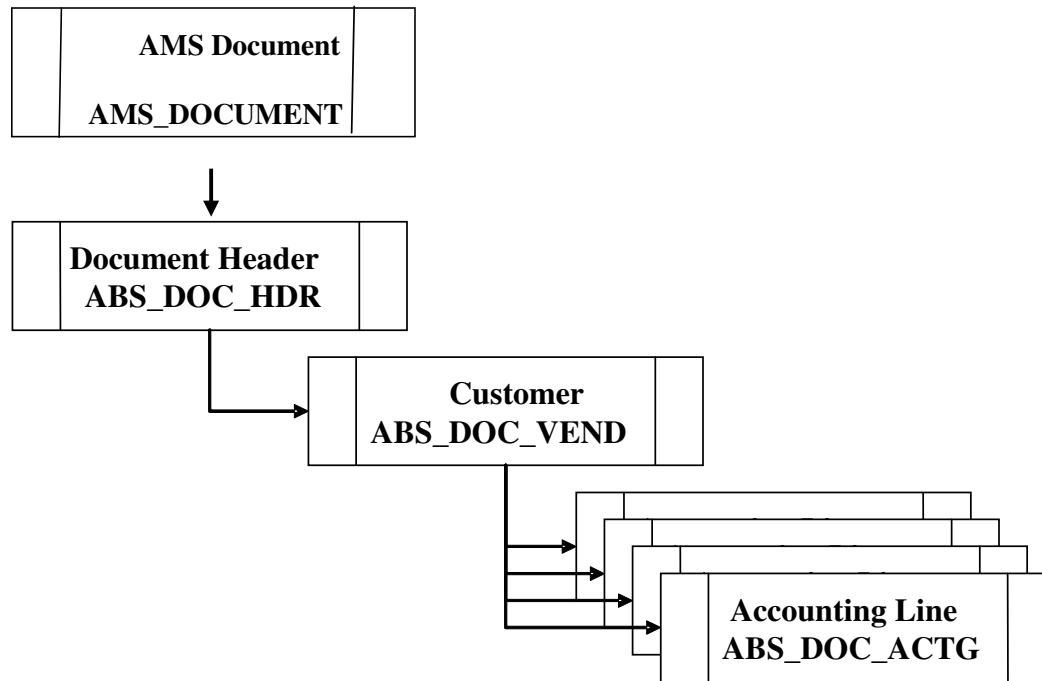
Document record #1
Header record
Vendor record 1
Accounting record 1
Accounting record 2

Document record #2
Header record
Vendor record 1
Accounting record 1
Accounting record 2

Figure 2-10: GAX Transaction Required XML components

	Action	
	Original entry	Component description
AMS_DOC_XML_IMPORT_FILE	Required	Unique Tag used to identify the beginning and ending of an inbound XML interface file.
AMS_DOCUMENT	Required	Unique Tag used to identify the beginning and ending of a document within an inbound XML interface file.
ABS_DOC_HDR	Required	Unique Tag used to identify the beginning and ending of a header component within a document.
ABS_DOC_VEND	Required	Unique Tag used to identify the beginning and ending of a vendor component within a document.
ABS_DOC_ACTG	Required	Unique Tag used to identify the beginning and ending of an accounting line within a document.

Figure 2-11: GAXDocument Components



2.10.1 GAX Document Component : AMS_DOC_XML_IMPORT_FILE

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix G for an example of a fully qualified GAX XML example:

XML Tag	Description	R/C
AMS_DOC_XML_IMPORT_FILE	Required XML beginning and ending tag for a base GAX document	R

2.10.2 GAX Document Component: AMS_DOCUMENT

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix G for an example of a fully qualified GAX XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	'ABS'
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	'ABS'
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	'GAX'

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Valid Department Code on the Department table.
DOC_UNIT_CD	Document Unit	The unit code associated with this document which can be used to facilitate workflow.	R	VARCHAR2	4	Valid Unit Code on the Unit table.
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Assigned by the agency. See section 1.3.3
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Set to "1".
AUTO_DOC_NUM	Automatic Document Numbering	Indicates that system will assign a unique Document ID: "true" for system assigned Document ID number or "false" for no system assigned Document ID Number.	R	VARCHAR2	5	Set to "false".
DOC_IMPORT_MODE	Document Import Mode	Indicates that the document is being made as an Original Entry "OE".	R	Text	3	Set to "OE" for Original Entry.

2.10.3 GAX Document Component: ABS_DOC_HDR

The following XML tags are a requirement for GAX documents being submitted into the eMARS system. See Appendix G for an example of a fully qualified GAX XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Doc Version	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_REC_DT_DC	Record Date	The record date manually entered on the document header. If not manually entered, the date becomes the one when the document was submitted successfully.	O	Date	10	If left blank, the system will default it to the current date. If provided, the format of this date is "YYYY-MM-DD". Example: "2004-10-30".

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_BFY	Budget FY	When on the header of a document, this is the default budget fiscal year that will be pushed to all accounting lines.	CR	NUMBER	4	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document.</p> <p>If posting to a prior fiscal year, provide the budget fiscal year.</p> <p>If provided, must be valid on the Fiscal Year table and follow the format "YYYY".</p>
DOC_FY_DC	Fiscal Year	The fiscal year associated with this document.	CR	NUMBER	4	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document.</p> <p>If posted to the 13th accounting period in the prior fiscal year, the Fiscal Year must be entered.</p> <p>If provided, must be valid on the Fiscal Year table and follow the format "YYYY".</p>

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_PER_DC	Period	When on the header of a document, this is the default accounting period that is pushed to all accounting lines. If not manually entered, the field remains blank until the document is submitted successfully. At this point it is set to the current account	CR	NUMBER	2	Leave blank unless it is July and the document needs to be posted in the prior year. If left blank, the system will populate it with the Fiscal Period of the Record Date on associated document. If posted to the 13th accounting period in the prior fiscal year, the Fiscal Period must be entered. If provided, the valid value is 13.
DOC_NM	Document Name	Name for the document.	O	VARCHAR2	60	The contents of this field will be posted to the data warehouse.
DOC_DSCR	Document Description	The description associated with the document.	R	VARCHAR2	60	
CITED_AUTH	Cited Authority	Cited Authority identifies the statutory, regulatory, or policy citation for the payment to be legally processed.	R	VARCHAR2	20	Must be a valid code on the CAUTH (Cited Authority) table.

2.10.4 GAX Document Component: ABS_DOC_VEND

The following XML tags are a requirement for GAX documents being submitted into the eMARS system. See Appendix G for an example of a fully qualified GAX XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	NUMBER	5	Must always be set to "1"
VEND_CUST_CD	Vendor Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VARCHAR2	20	Only non-miscellaneous vendor codes are allowed. Must be a valid/active vendor code on the Vendor Customer (VCUST) table.
VEND_SNGL_CHK_FL	Single Payment	Indicates if multiple disbursements should be combined into a single check for this vendor.	R	VARCHAR2	5	Always set to "true".
SCHED_PYMT_DT	Schedule Payment Date	The date that a vendor is scheduled to receive payment.	O	Date	10	If left blank, it will default to the Application Control Date upon processing the interface file. If entered, the date must have the format 'YYYY-MM-DD" and must be greater than or equal to the processing date. Example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
						"2005-10-30".
VEND_DISB_CAT	Disbursement Category	It defines the handling procedure for disbursed check payments (e.g. Unsealed Treasury Hold, Unsealed Treasury Mailed, Unsealed Agency Mailed, Sealed Treasury Hold, Sealed Treasury Mailed, and Sealed Agency Mailed).	O	VARCHAR2	4	If left blank, it will default from the Disbursement Category Inference and Combination Validation (DISCV) table upon processing. The default value will be set to "STM" (i.e. Sealed/Treasury Mailed. If provided, must be valid on the Disbursement Category table. Valid values on the Disbursement Category table are: <ul style="list-style-type: none"> - UTH (Unsealed Treasury Hold), - UAM (Unsealed Agency Mailed), - STH (Sealed Treasury Hold), - STM (Sealed Treasury Mailed), - SAM (Sealed Agency Mailed)
DFLT_DISB_FRMT	Disbursement Format	It indicates the format of the check stock for check payments or the ACH (Automated Clearing House) format for EFT payments.	O	VARCHAR2	4	If left blank, it will default from the VCUST table upon processing. If provided, it must be set to "CCD" for EFT payments or "GENC" (i.e. c-fold checks) for check payments.
AD_ID	Address Code	The Address Code or ID given to a unique address for a vendor or customer.	R	VARCHAR2	20	Must be a valid and active payment address ID for the VEND_CUST_CD on the Vendor Customer table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
CNTAC_ID	Vendor Contact ID	The unique identification number assigned to the contact. The use of different contact ID's will allow a single vendor or vendor code to have multiple contacts.	O	VARCHAR2	20	If provided, must be valid contact ID for the VEND_CUST_CD on the Vendor Customer table. If not provided, it will be defaulted by the system upon processing the interface file.

2.10.5 GAX Document Component: ABS_DOC_ACTG

The following XML tags are a requirement for GAX documents being submitted into the eMARS system. See Appendix G for an example of a fully qualified GAX XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Document Vendor Line Number	The customer line number visible to a user that uniquely identifies each customer line within a document.	R	NUMBER	5	Set value to 1.
DOC_ACTG_LN_NO	Accounting Line Number	The accounting line number visible to a user that uniquely identifies each accounting line within a document.	R	NUMBER	5	Line numbering begins at 1 and should be incremental by one for additional lines up to 99.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
						Example: "1"
ACTG_TMPL_ID	Accounting Template	The unique identification code assigned to the accounting template. Accounting templates are used to bring in chart of account element codes for ease of data entry on documents.	R	VARCHAR2	6	Must be a valid record on Accounting Template (ACTPL) table
EVNT_TYP_ID	Event `Type	Event Type determines the journal postings and business rules for a particular transaction.	R	VARCHAR2	4	For the GAX document, provide the Event Type "AP01".
LN_AM	Line Amount	The amount of an individual accounting line.	R	DECIMAL	14, 2	Example: 50.00
SVC_FRM_DT	Service From Date	Service Dates (From/To Dates) on payment request documents are used to identify when goods or services were received from the vendor.	O	Date	10	Acceptable format is: "YYYY-MM-DD". Example: "2004-10-30". The Service From Date can be a past, current or future date. Agencies may provide a date if desired. Otherwise, leave blank and system will default it to the current date upon processing the

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
						interface file.
SVC_TO_DT	Service To Date	Service Dates (From/To Dates) on payment request documents are used to identify when goods or services were received from the vendor.	O	Date	10	Acceptable format is: "YYYY-MM-DD". Example: "2004-10-30". The Service To Date can be a past, current or future date. Agencies may provide a date if desired. Otherwise, leave blank and system will default it to the current date upon processing the interface file. If provided, it must be greater than or equal to the SVC_FRM_DT.
CHK_DSCR	Check Description	The text to be printed on the check stub.	O	VARCHAR2	50	Enter reason for check issue.
FUND_CD	Fund	The identification code associated with the fund.	O	VARCHAR2	4	If provided, must be valid on Fund (FUND) table.
SFUND_CD	Sub Fund	The identification code associated with the sub-fund.	O	VARCHAR2	4	If entered, must be valid on the Sub Fund table. To enter a Sub Fund Code, the Fund Code must be entered.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
OBJ_CD	Object	The identification code associated with an object of expenditure.	R	VARCHAR2	4	Must be valid on the Object table.
SOBJ_CD	Sub Object	The identification code associated with the sub-object. Sub-object is a fund accounting Chart of Accounts element.	O	VARCHAR2	4	If entered, must be valid on the Sub Object table.
RSRC_CD	Revenue	Revenue sources are used to track individual sources of revenue taken in.	O	VARCHAR2	4	If provided, must be valid on the Revenue table.
SRSRC_CD	Sub Revenue	The identification code associated with the sub revenue source account.	O	VARCHAR2	4	If entered, must be valid on the Sub Revenue Source table. To enter a Sub Revenue Source Code, the Revenue Source Code must be entered.
DEPT_CD	Department	An identification code associated with a department.	R	VARCHAR2	4	Must be valid on Department Fiscal Year Controls table.
UNIT_CD	Unit	An identification code associated with a Unit.	O	VARCHAR2	4	If entered, must be valid on the Unit table.
SUNIT_CD	Sub Unit	Sub Unit is a means of breaking down a unit code into smaller measurements. It is the lowest level of organizational structure and is required or prohibited based on one or more sub unit	O	VARCHAR2	4	If entered, must be valid on the Sub Unit table. To enter a Sub Unit Code, the Unit Code must be entered.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		requirement tables.				
APPR_CD	Appr Unit	The identification code associated to an appropriation unit.	O	VARCHAR2	9	If entered, must be valid on the Appropriation table.
BSA_CD	BSA	The identification code assigned to the balance sheet account.	O	VARCHAR2	4	If entered, must be valid on Balance Sheet Account (BSA) table.
SBSA_CD	Sub BSA	The identification code assigned to the sub-balance sheet account.	O	VARCHAR2	4	If entered, must be valid on the Sub BSA table. To enter a Sub BSA Code, the BSA Code must be entered.
DOBJ_CD	Dept Object	The identification code assigned to the Department object.	O	VARCHAR2	4	If entered, must be valid on the Department Object table.
DRSRC_CD	Dept Revenue	The code assigned to the department revenue source.	O	VARCHAR2	4	If entered, must be valid on the Department Revenue Source table.
LOC_CD	Location	The identification code assigned to the location.	O	VARCHAR2	4	If entered, must be valid on the Location table.
SLOC_CD	Sub Location	The identification code associated with the sub-location.	O	VARCHAR2	4	If entered, must be valid on the Sub Location table. To enter a Sub Location Code, the Location Code must be entered.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
ACTV_CD	Activity	The identification code associated with the activity.	O	VARCHAR2	4	If entered, must be valid on the Activity table.
SACTV_CD	Sub Activity	The identification code associated with the sub-activity.	O	VARCHAR2	4	If entered, must be valid on the Sub Activity table. To enter a Sub Activity Code, the Activity Code must be entered.
FUNC_CD	Function	The identification code associated with the function. The function code defines broad operational objectives, such as instruction, support services, and facilities acquisition.	O	VARCHAR2	10	If entered, must be valid on the Function table.
SFUNC_CD	Sub Function	The identification code associated with the sub-function.	O	VARCHAR2	4	If entered, must be valid on the Sub Function table. To enter a Sub Function Code, the Function Code must be entered.
RPT_CD	Reporting	The reporting code element is used for tracking contract activity. The contract number will be entered in this field.	O	VARCHAR2	10	If entered, must be valid on the Reporting Code table.
SRPT_CD	Sub Reporting	Sub reporting codes define contract periods.	O	VARCHAR2	4	If entered, must be valid on the Sub Reporting table. To enter a Sub Reporting Code, the Reporting Code must be entered.
TASK_CD	Task	The unique identification code assigned to the task.	O	VARCHAR2	4	If entered, must be valid on the Task table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
STASK_CD	Sub Task	The sub task is a means of breaking down tasks into smaller components.	O	VARCHAR2	4	If entered must be valid on Sub Task table. To enter a Sub Task Code, the Task Code must be entered.
TASK_ORD_CD	Task Order	The unique identification code assigned to the task order.	O	VARCHAR2	6	If entered, must be valid on the Task Order table.
PROG_CD	Program	The identification code assigned to the project. Project is a cost accounting Chart of Accounts element.	O	VARCHAR2	10	If entered, must be valid on the Program Setup table.
PHASE_CD	Phase	The identification code assigned to the phase. Phase is a cost accounting Chart of Accounts element representing a phase of a project.	O	VARCHAR2	6	If entered, must be valid on the Program Phase table. To enter a Phase Code, the Program Code must be entered.
PPC_CD	Program Period	The identification code assigned to the project period.	O	VARCHAR2	6	If entered, must be valid on the Program Period table. To enter a Program Period Code, the Program Code must be entered (to infer the Major Program).
VEND_INV_NO	Vendor Invoice Number	The invoice number from the invoice received from the vendor. The Vendor Invoice Number must be unique and cannot already exist on the Vendor Invoice Registry table	R	VARCHAR2	30	Enter the Vendor Invoice Number. If not known, enter a unique value.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		for the referenced vendor				
VEND_INV_LN_NO	Vendor Invoice Line	The invoice line number from the invoice received from the vendor.	R	NUMBER	10	Number must be sequential per accounting line, per vendor (i.e. 1,2,3...)
VEND_INV_DT	Vendor Invoice Date	The date of the invoice received from the vendor.	R	Date	10	Enter date the vendor invoice was received. If not known, enter current date. Acceptable format is: "YYYY-MM-DD". Example: "2004-10-30"

2.11 General Accounting (JV2E) Document Usage

2.11.1 Current MARS Process

In Advantage 2, Medicaid Refunds are interfaced in MARS by processing a JVC document to adjust the amount used for required 1099 forms.

2.11.2 New eMARS Process

In eMARS, the Cash Expenditure Correction (JV2E) document which is a clone of the GAX document will be used to increase expenditures that were recorded without a vendor on one line and decrease the same expenditure with the appropriate vendor on the other line in order to reduce the 1099 amount by the money returned to the program as overpayments. Accordingly, JV2E documents will always have a net amount of \$0 and has an edit for check for \$0. JV2E documents will be associated with only one Event Type where a positive and negative line will offset one another. Note that prior versions of this interface documentation referred to the JV2E as a CEXP document.

In the current Advantage system, a debit amount is charged to a miscellaneous vendor code ZZADVANTG00 on one accounting line and a credit amount is charged to the vendor code on a second accounting line. The JV2E document will require one vendor record with a blank vendor code with two positive accounting lines for the debit and a second vendor record with a specified miscellaneous vendor id with two negative accounting lines for the credit. Two accounting lines are required because Medicaid payments are funded by both federal and state dollars. As the chart of accounts vary for each, separate accounting lines are required. This second vendor record must also contain the TIN, TIN type, name, address, city, state, and zip code of the vendor who made the refund.

2.12 General Accounting (JV2E) Transaction Layout

The XML based JV2E transaction consists of 5 required components. Figure 2-12 is a graphical representation of all components, the action explaining whether its inclusion is required or not, and its description. Figure 2-13 further illustrates the JV2E document showing that it will have one AMS_DOCUMENT record, one ABS_DOC_HDR, and 2 ABS_DOC_VEND lines that will each have 2 ABS_DOC_ACTG records associated. The remaining sections explain each component that constitutes a complete XML based JV2E document.

As noted, the JV2E document will allow more than one vendor record per document. The structure of an XML file with 2 JV2E documents where each document is associated with 2 vendor records and 2 accounting records for each vendor record will be as follows:

Document record #1
Header record
Vendor record 1
Accounting record 1
Accounting record 2
Vendor record 2
Accounting record 1
Accounting record 2

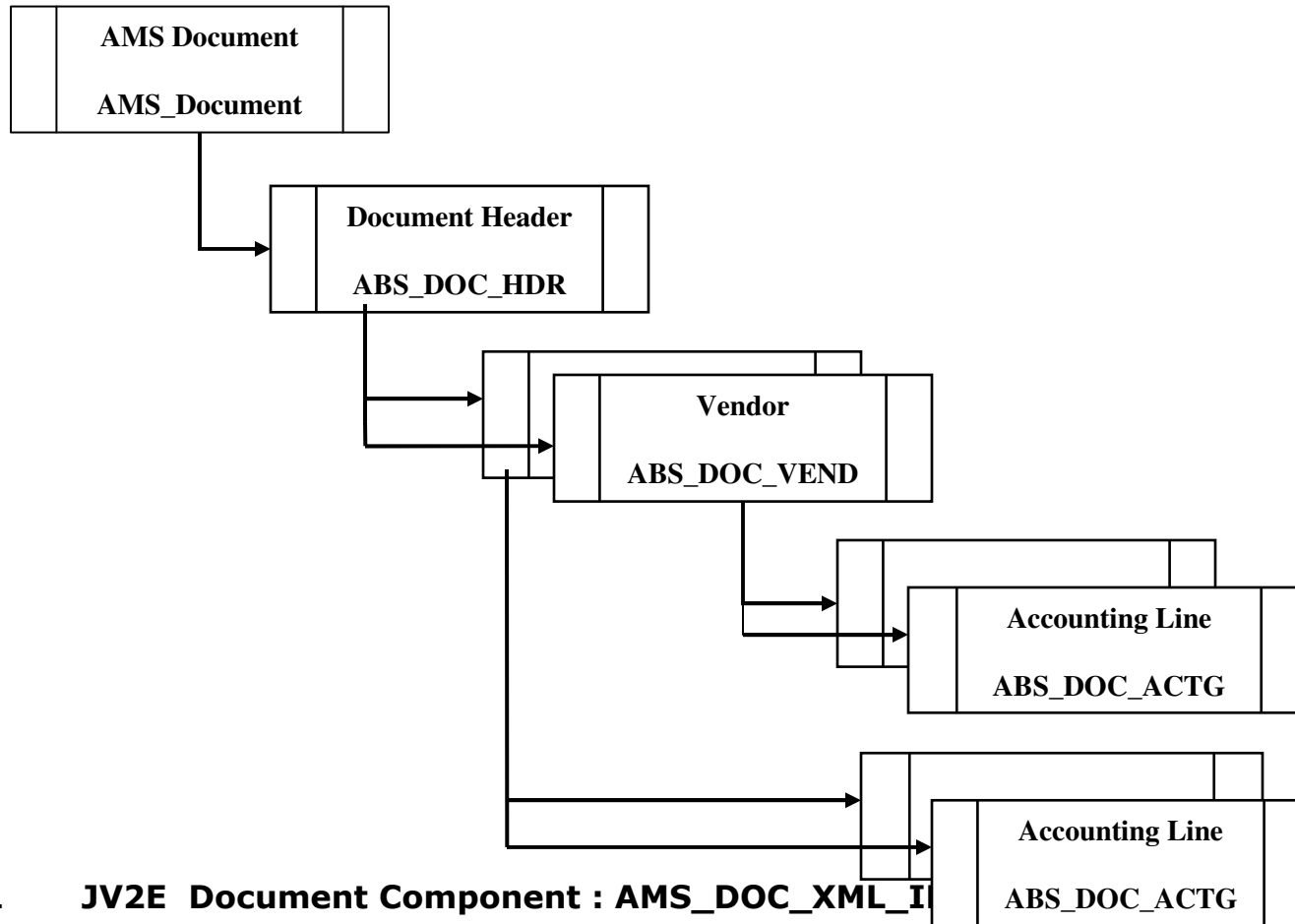
Document record #2

Header record
Vendor record 1
Accounting record 1
Accounting record 2
Vendor record 2
Accounting record 1
Accounting record 2

Figure 2-12: JV2E Transaction Required XML components

	Action	
	Original entry	Component description
AMS_DOC_XML_IMPORT_FILE	Required	Unique Tag used to identify the beginning and ending of an inbound XML interface file.
AMS_DOCUMENT	Required	Unique Tag used to identify the beginning and ending of a document within an inbound XML interface file.
ABS_DOC_HDR	Required	Unique Tag used to identify the beginning and ending of a header component within a document.
ABS_DOC_VEND	Required	Unique Tag used to identify the beginning and ending of a vendor component within a document.
ABS_DOC_ACTG	Required	Unique Tag used to identify the beginning and ending of an accounting line within a document.

Figure 2-13: JV2E Document Component



2.12.1 JV2E Document Component : AMS_DOC_XML_I

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix G for an example of a fully qualified JV2E XML example:

XML Tag	Description	R/C
AMS_DOC_XML_IMPORT_FILE	Required XML beginning and ending tag for a base JV2E document	R

2.12.2 JV2E Document Component: AMS_DOCUMENT

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix G for an example of a fully qualified JV2E XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	'ABS'
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	'ABS'
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	'JV2E'
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Valid Department Code on the Department table.
DOC_UNIT_CD	Document Unit	The unit code associated with this document which can be used to facilitate workflow.	R	VARCHAR2	4	Valid Unit Code on the Unit table.
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Assigned by the agency. See section 1.3.3
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Set to "1".

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
AUTO_DOC_NUM	Automatic Document Numbering	Indicates that system will assign a unique Document ID: "true" for system assigned Document ID number or "false" for no system assigned Document ID Number.	R	VARCHAR2	5	Set to "false".
DOC_IMPORT_MODE	Document Import Mode	Indicates that the document is being made as an Original Entry "OE".	R	Text	3	Set to "OE" for Original Entry.

2.12.3 JV2E Document Component: ABS_DOC_HDR

The following XML tags are a requirement for JV2E documents being submitted into the eMARS system. See Appendix G for an example of a fully qualified JV2E XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Doc Version	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_REC_DT_DC	Record Date	The record date manually entered on the document header. If not manually entered, the date becomes the one when the document was submitted successfully.	O	Date	10	If left blank, the system will default it to the current date. If provided, the format of this date is "YYYY-MM-DD". Example: "2004-10-30".
DOC_BFY	Budget FY	When on the header of a document, this is the default budget fiscal year that will be pushed to all accounting lines.	CR	NUMBER	4	Leave blank unless it is July and the document needs to be posted in the prior year. If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document. If posting to a prior fiscal year, provide the budget fiscal year.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
						If provided, must be valid on the Fiscal Year table and follow the format "YYYY".
DOC_FY_DC	Fiscal Year	The fiscal year associated with this document.	CR	NUMBER	4	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document.</p> <p>If posted to the 13th accounting period in the prior fiscal year, the Fiscal Year must be entered.</p> <p>If provided, must be valid on the Fiscal Year table and follow the format "YYYY".</p>
DOC_PER_DC	Period	When on the header of a document, this is the default accounting period that is pushed to all accounting lines. If not manually entered, the field remains blank until the document is submitted successfully. At this point it is set to the current account	CR	NUMBER	2	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Period of the Record Date on associated document.</p> <p>If posted to the 13th accounting period in the prior fiscal year, the Fiscal Period</p>

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
						must be entered. If provided, the valid value is 13.
DOC_NM	Document Name	Name for the document.	O	VARCHAR2	60	The contents of this field will be posted to the data warehouse.
DOC_DSCR	Document Description	The description associated with the document.	R	VARCHAR2	60	
CITED_AUTH	Cited Authority	Cited Authority identifies the statutory, regulatory, or policy citation for the payment to be legally processed.	O	VARCHAR2	20	Must be a valid code on the CAUTH (Cited Authority) table.

2.12.4 JV2E Document Component: ABS_DOC_VEND

The following XML tags are a requirement for JV2E documents being submitted into the eMARS system. See Appendix G for an example of a fully qualified JV2E XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		Each document code must be assigned a document type.				
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	NUMBER	5	Number in sequence per document.
VEND_CUST_CD	Vendor Customer	The unique identifier assigned to the vendor/customer. In	R	VARCHAR2	20	Each refund transaction will have 2 vendor records. This

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).				field will be null on one record. The other record will contain a miscellaneous vendor code. ZZMISCINDV, ZZMISCPART, or ZZMISCCORP.
LGL_NM	Vendor name	Name of vendor who refunded Medicaid payment	CR	VARCHAR2	60	This field should be populated only if the vendor code has been populated.
AD_LN_1	Address line 1	Address of the vendor who refunded Medicaid payment	CR	VARCHAR2	75	This field should be populated only if the vendor code has been populated.
CITY	City	City of the vendor who refunded Medicaid payment	CR	VARCHAR2	60	This field should be populated only if the vendor code has been populated.
ST	State	State of the vendor who refunded Medicaid payment	CR	VARCHAR2	2	This field should be populated only if the vendor code has been populated.
ZIP	Zip Code	Zip code of vendor who refunded Medicaid payment	CR	VARCHAR2	10	This field should be populated only if the vendor code has been populated.
TIN	Taxpayer Identification Number	TIN of vendor who refunded Medicaid payment	CR	VARCHAR2	9	This field should be populated only if the vendor code has been populated.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
TIN_TYPE	Tin Type	If the TIN is a FEIN, TIN_TYPE is '1'. If the TIN is an SSN, TIN_TYPE is '2'.	CR		1	This field should be populated only if the vendor code has been populated.

2.12.5 JV2E Document Component: ABS_DOC_ACTG

The following XML tags are a requirement for JV2E documents being submitted into the eMARS system. See Appendix G for an example of a fully qualified JV2E XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Document Vendor Line Number	The customer line number visible to a user that uniquely identifies each customer line within a document.	R	NUMBER	5	Set to the value of the associated vendor line.
DOC_ACTG_LN_NO	Accounting Line Number	The accounting line number visible to a user that uniquely identifies each accounting line within a document.	R	NUMBER	5	Line numbering begins at 1 and should be incremental by one. Example: "1"
ACTG_TMPL_ID	Accounting Template	The unique identification code assigned to the accounting template. Accounting templates are used to bring in chart of account element codes for ease of data entry on documents.	R	VARCHAR2	6	Must be a valid record on Accounting Template (ACTPL) table

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
EVNT_TYP_ID	Event `Type	Event Type determines the journal postings and business rules for a particular transaction.	R	VARCHAR2	4	For the JV2E document, provide the Event Type "GA01".
LN_AM	Line Amount	The amount of an individual accounting line.	R	DECIMAL	14, 2	Example: 50.00 This amount can be negative only with JV2E documents (e.g. - 50.00).
FUND_CD	Fund	The identification code associated with the fund.	O	VARCHAR2	4	If provided, must be valid on Fund (FUND) table.
SFUND_CD	Sub Fund	The identification code associated with the sub-fund.	O	VARCHAR2	4	If entered, must be valid on the Sub Fund table. To enter a Sub Fund Code, the Fund Code must be entered.
OBJ_CD	Object	The identification code associated with an object of expenditure.	CR	VARCHAR2	4	Must be valid on the Object table and supplied here if it not on the referenced accounting template.
SOBJ_CD	Sub Object	The identification code associated with the sub-object. Sub-object is a fund accounting Chart of Accounts element.	O	VARCHAR2	4	If entered, must be valid on the Sub Object table.
RSRC_CD	Revenue	Revenue sources are used to track individual sources of	O	VARCHAR2	4	If provided, must be valid on the Revenue table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		revenue taken in.				
SRSRC_CD	Sub Revenue	The identification code associated with the sub revenue source account.	O	VARCHAR2	4	If entered, must be valid on the Sub Revenue Source table. To enter a Sub Revenue Source Code, the Revenue Source Code must be entered.
DEPT_CD	Department	An identification code associated with a department.	R	VARCHAR2	4	Must be valid on Department Fiscal Year Controls table.
UNIT_CD	Unit	An identification code associated with a Unit.	O	VARCHAR2	4	If entered, must be valid on the Unit table.
SUNIT_CD	Sub Unit	Sub Unit is a means of breaking down a unit code into smaller measurements. It is the lowest level of organizational structure and is required or prohibited based on one or more sub unit requirement tables.	O	VARCHAR2	4	If entered, must be valid on the Sub Unit table. To enter a Sub Unit Code, the Unit Code must be entered.
APPR_CD	Appr Unit	The identification code associated to an appropriation unit.	O	VARCHAR2	9	If entered, must be valid on the Appropriation table.
BSA_CD	BSA	The identification code assigned to the balance sheet account.	O	VARCHAR2	4	If entered, must be valid on Balance Sheet Account (BSA) table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
SBSA_CD	Sub BSA	The identification code assigned to the sub-balance sheet account.	O	VARCHAR2	4	If entered, must be valid on the Sub BSA table. To enter a Sub BSA Code, the BSA Code must be entered.
DOBJ_CD	Dept Object	The identification code assigned to the Department object.	O	VARCHAR2	4	If entered, must be valid on the Department Object table.
DRSRC_CD	Dept Revenue	The code assigned to the department revenue source.	O	VARCHAR2	4	If entered, must be valid on the Department Revenue Source table.
LOC_CD	Location	The identification code assigned to the location.	O	VARCHAR2	4	If entered, must be valid on the Location table.
SLOC_CD	Sub Location	The identification code associated with the sub-location.	O	VARCHAR2	4	If entered, must be valid on the Sub Location table. To enter a Sub Location Code, the Location Code must be entered.
ACTV_CD	Activity	The identification code associated with the activity.	O	VARCHAR2	4	If entered, must be valid on the Activity table.
SACTV_CD	Sub Activity	The identification code associated with the sub-activity.	O	VARCHAR2	4	If entered, must be valid on the Sub Activity table. To enter a Sub Activity Code, the Activity Code must be entered.
FUNC_CD	Function	The identification code associated with the function. The function code defines broad operational objectives, such as instruction, support services, and facilities acquisition.	O	VARCHAR2	10	If entered, must be valid on the Function table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
SFUNC_CD	Sub Function	The identification code associated with the sub-function.	O	VARCHAR2	4	If entered, must be valid on the Sub Function table. To enter a Sub Function Code, the Function Code must be entered.
RPT_CD	Reporting	The reporting code element is used for tracking contract activity. The contract number will be entered in this field.	O	VARCHAR2	10	If entered, must be valid on the Reporting Code table.
SRPT_CD	Sub Reporting	Sub reporting codes define contract periods.	O	VARCHAR2	4	If entered, must be valid on the Sub Reporting table. To enter a Sub Reporting Code, the Reporting Code must be entered.
TASK_CD	Task	The unique identification code assigned to the task.	O	VARCHAR2	4	If entered, must be valid on the Task table.
STASK_CD	Sub Task	The sub task is a means of breaking down tasks into smaller components.	O	VARCHAR2	4	If entered must be valid on Sub Task table. To enter a Sub Task Code, the Task Code must be entered.
TASK_ORD_CD	Task Order	The unique identification code assigned to the task order.	O	VARCHAR2	6	If entered, must be valid on the Task Order table.
PROG_CD	Program	The identification code assigned to the project. Project is a cost accounting Chart of Accounts element.	O	VARCHAR2	10	If entered, must be valid on the Program Setup table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
PHASE_CD	Phase	The identification code assigned to the phase. Phase is a cost accounting Chart of Accounts element representing a phase of a project.	O	VARCHAR2	6	If entered, must be valid on the Program Phase table. To enter a Phase Code, the Program Code must be entered.
PPC_CD	Program Period	The identification code assigned to the project period.	O	VARCHAR2	6	If entered, must be valid on the Program Period table. To enter a Program Period Code, the Program Code must be entered (to infer the Major Program).

2.13 Payment Request Commodity (PRC) Document Usage

2.13.1 Current MARS Process

Currently, Manual Warrant (MW) documents are used to record manually written checks or warrants from UPPS. Additionally, P1 documents are used by the Transportation Cabinet to record CPES payments.

2.13.2 New eMARS Process

In eMARS, the manually written checks or warrants from UPPS will be recorded using Payment Request Commodity (PRC) documents with proper reference to the established award. A non-referencing line for a negative amount will be established to offset the referenced line, resulting in a zero total dollar amount. Additionally, for CPES interface from the Transportation Cabinet, an Invoice document will be used to initiate the generation of a Payment Request (PRM) document to liquidate the encumbered funds.

On the UPPS feed there will be two commodity lines submitted; one referencing the appropriate line on the award and another not referencing the award. The non-referencing line will require more fields in order for the PRC to process without errors.

For interfaces, PRC Documents will have the following characteristics:

- There can be up to 99 accounting lines (regardless of the number of commodity lines) present on the document
- PRC Modification documents cannot be sent through the Interface.
- The PRC documents received through interfaces can reference PO documents.

2.14 Payment Request Commodity (PRC) Transaction Layout

The XML based PRC transaction consists of 6 required components. Figure 2-14 is a graphical representation of all components, the action explaining whether its inclusion is required or not, and its description. Figure 2-15 further illustrates the PRC document showing that it will have one AMS_DOCUMENT record, one PR_DOC_HDR, and one PR_DOC_VEND that can have one or multiple PR_DOC_COMM records associated with it. Each PR_DOC_COMM record can have one or many PR_DOC_ACTG records associated with it as long as the total number of PR_DOC_ACTG components within the document does not exceed 99. The remaining sections explain each component that constitutes a complete XML based PRC document.

The structure of an XML file with 2 PRC documents where each document is associated with 1 vendor record and 2 commodity records, and each commodity record is associated with 2 accounting lines will be as follows:

Document record #1

Header record

Vendor record 1

Commodity record 1

Accounting record 1

Accounting record 2

Commodity record 2

Accounting record 3

Accounting record 4

Document record #2

Header record

Vendor record 1

Commodity record 1

Accounting record 1

Accounting record 2

Commodity record 2

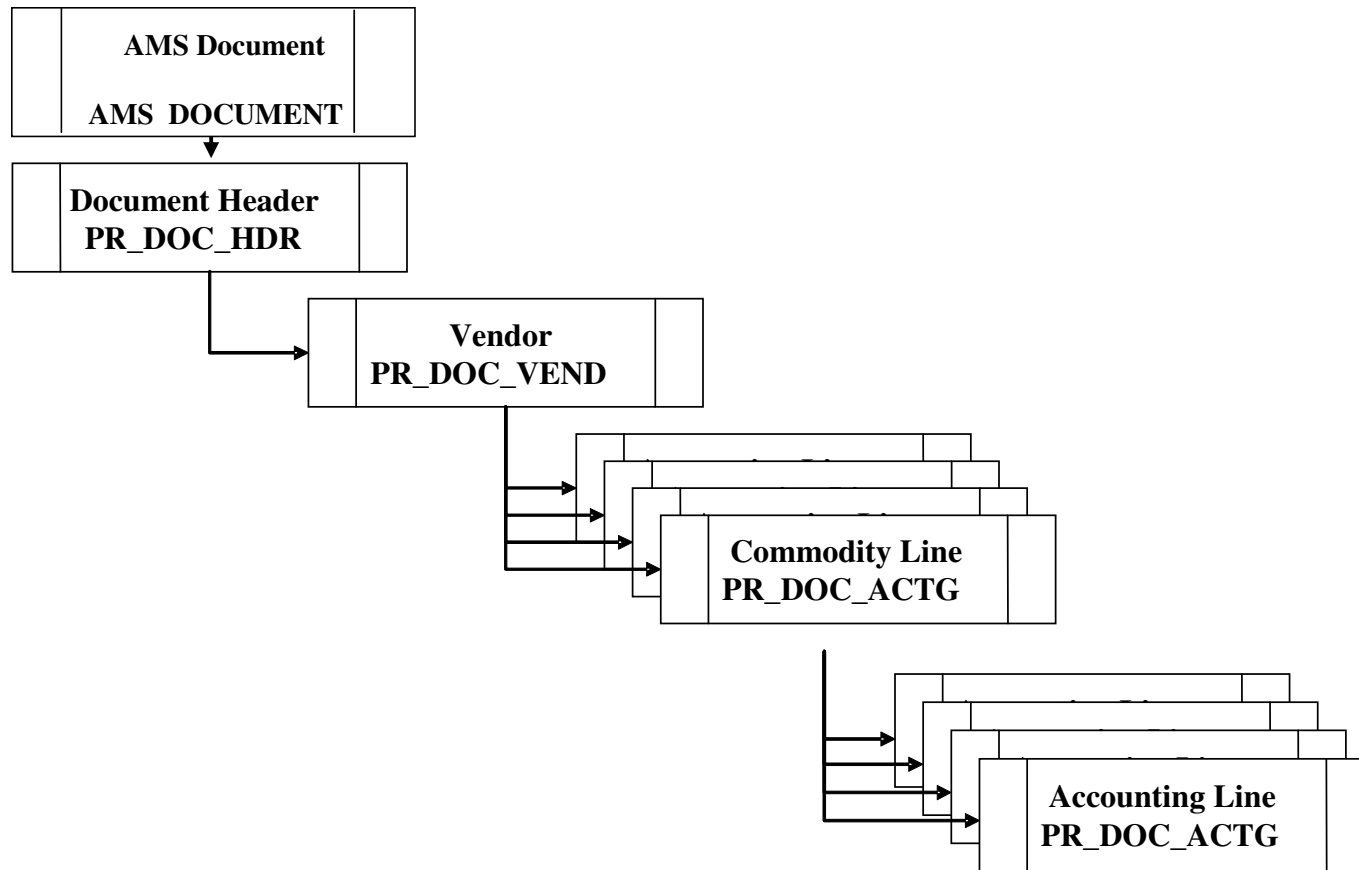
Accounting record 3

Accounting record 4

Figure 2-14: PRC Transaction Required XML components

	Action	
	Original entry	Component description
AMS_DOC_XML_IMPORT_FILE	Required	Unique Tag used to identify the beginning and ending of an inbound XML interface file.
AMS_DOCUMENT	Required	Unique Tag used to identify the beginning and ending of a document within an inbound XML interface file.
PR_DOC_HDR	Required	Unique Tag used to identify the beginning and ending of a header component within a document.
PR_DOC_VEND	Required	Unique Tag used to identify the beginning and ending of a vendor component within a document.
PR_DOC_COMM	Required	Unique Tag used to identify the beginning and ending of commodity line information.
PR_DOC_ACTG	Required	Unique Tag used to identify the beginning and ending of an accounting line within a document.

Figure 2-15: PRC Document Components



2.14.1 PRC Document Component : AMS_DOC_XML_IMPORT_FILE

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix H for an example of a fully qualified PRC XML example:

XML Tag	Description	R/C
AMS_DOC_XML_IMPORT_FILE	Required XML beginning and ending tag for a PRC document	R

2.14.2 PRC Document Component: AMS_DOCUMENT

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix H for an example of a fully qualified PRC XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	'AP'
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	'PR'
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	'PRC'
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Must be a valid entry on the Department Fiscal Year Controls table

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
DOC_UNIT_CD	Document Unit	The unit code associated with this document which can be used to facilitate workflow.	R	VARCHAR2	4	Must be a valid entry on the Unit table
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Assigned by the agency. See section 1.3.3
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Set to "1".
AUTO_DOC_NUM	Automatic Document Numbering	Indicates that system will assign a unique Document ID: "true" for system assigned Document ID number or "false" for no system assigned Document ID Number.	R	VARCHAR2	5	Set to "false".
DOC_IMPORT_MODE	Document Import Mode	Indicates that the document is being made as an Original Entry "OE".	R	VARCHAR2	3	Set to "OE" for Original Entry.

2.14.3 PRC Document Component: PR_DOC_HDR

The following XML tags are a requirement for PRC documents being submitted into the eMARS system. See Appendix H for an example of a fully qualified PRC XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document	R	VARCHAR2	8	Same as defined in

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
		Type table. Each document code must be assigned a document type.				AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT
DOC_DEPT_CD	Document Dept	The department code assigned to this document.	R	VARCHAR2	4	Same as defined in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document which can be used to facilitate workflow.	R	VARCHAR2	4	Same as defined in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as defined in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as defined in AMS_DOCUMENT
DOC_REC_DT_DC	Record Date	The record date manually entered on the document header. If not manually entered, the date becomes the one when the document was submitted successfully.	O	Date	10	If left blank, the system will default it to the current date. If provided, the format of this date is "YYYY-MM-DD". Example: "2004-10-30".
DOC_BFY	Budget FY	When on the header of a document, this is the default budget fiscal year that will	CR	NUMBER	4	Leave blank unless it is July and the document needs to be posted in the prior year.

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
		be pushed to all accounting lines.				<p>If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document.</p> <p>If posting to a prior fiscal year, provide the budget fiscal year.</p> <p>If provided, must be valid on the Fiscal Year table and follow the format "YYYY".</p>
DOC_FY_DC	Fiscal Year	The fiscal year associated with this document.	CR	NUMBER	4	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document.</p> <p>If posted to the 13th accounting period in the prior fiscal year, the Fiscal Year must be entered.</p> <p>If provided, must be valid on the Fiscal Year table and follow the format "YYYY".</p>
DOC_PER_DC	Period	When on the header of a document, this is the default accounting period that is pushed to all accounting lines. If not manually entered, the field remains	CR	NUMBER	2	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Period of the Record Date on</p>

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
		blank until the document is submitted successfully. At this point it is set to the current accounting period.				associated document. If posted to the 13th accounting period in the prior fiscal year, the Fiscal Period must be entered. If provided, the valid value is 13.
DOC_NM	Document Name	Name for the document.	R	VARCHAR2	60	The contents of this field will be posted to the data warehouse.
DOC_DSCR	Document Description	The description associated with the document.	R	VARCHAR2	60	
EXT_PR_DESC	Extended Description	The free form text description related to this Payment Request document.	O	VARCHAR2	1500	
CITED_AUTH	Cited Authority	Cited Authority identifies the statutory, regulatory, or policy citation for the payment to be legally processed.	R	VARCHAR2	20	Must be a valid code on the CAUTH (Cited Authority) table.

2.14.4 PRC Document Component: PR_DOC_VEND

The following XML tags are a requirement for PRC documents being submitted into the eMARS system. See Appendix H for an example of a fully qualified PRC XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT
DOC_DEPT_CD	Document Dept	The department code assigned to this document.	R	VARCHAR2	4	Same as defined in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as defined in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as defined in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as defined in AMS_DOCUMENT
DOC_VEND_LN_NO	Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	NUMBER	5	Must always be set to "1"
VEND_CUST_CD	Vendor Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the	R	VARCHAR2	20	Only non-miscellaneous vendor codes are allowed. Must be a valid/active vendor

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
		user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).				on the Vendor Customer table.
VEND_SNGL_CHK_FL	Single Payment	Indicates if multiple disbursements should be combined into a single check for this vendor.	R	VARCHAR2	5	Always set to "true".
SCHED_PYMT_DT	Scheduled Payment Date	The date that a vendor is scheduled to receive payment.	O	Date	10	If entered, then it should be greater than or equal to the System date when the interface file is processed. Otherwise, the system will default it. Acceptable format is: "YYYY-MM-DD". Example: "2005-10-30".
VEND_DISB_CAT	Disbursement Category	It defines the handling procedure for disbursed check payments (e.g. Unsealed Treasury Hold, Unsealed Treasury Mailed, Unsealed Agency Mailed, Sealed Treasury Hold, Sealed Treasury Mailed, and Sealed Agency Mailed).	O	VARCHAR2	4	If left blank, it will default from the Disbursement Category Inference and Combination Validation (DISCV) table upon processing. The default value will be set to "STM" (i.e. Sealed/Treasury Mailed. If provided, must be valid on the Disbursement Category table. Valid values on the Disbursement Category table are: - UTH (Unsealed Treasury

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
						Hold), - UAM (Unsealed Agency Mailed), - STH (Sealed Treasury Hold), - STM (Sealed Treasury Mailed), - SAM (Sealed Agency Mailed)
DFLT_DISB_FRMT	Disbursement Format	It indicates the format of the check stock for check payments or the ACH (Automated Clearing House) format for EFT payments.	O	VARCHAR2	4	If left blank, it will default from the VCUST table upon processing. If provided, it must be set to "CCD" for EFT payments or "GENC" (i.e. c-fold checks) for check payments.
AD_ID	Address Code	The Address Code or ID given to a unique address for a vendor or customer.	R	VARCHAR2	20	Must be a valid and active payment address ID for the VEND_CUST_CD on the Vendor Customer table.
CNTAC_ID	Vendor Contact ID	The unique identification number assigned to the contact. The use of different contact ID's will allow a single vendor or vendor code to have multiple contacts.	O	VARCHAR2	20	If provided, must be valid contact ID for the VEND_CUST_CD on the Vendor Customer table. If not provided, it will be populated by the system upon processing the interface file.

2.14.5 PRC Document Component: PR_DOC_COMM

The following XML tags are a requirement for PRC documents being submitted into the eMARS system. See Appendix H for an example of a fully qualified PRC XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as defined in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as defined in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as defined in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as defined in AMS_DOCUMENT
DOC_VEND_LN_NO	Document Vendor Line	The vendor line number visible to a user that	R	NUMBER	5	Value:"1"

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
	Number	uniquely identifies each vendor line within a document.				
DOC_COMM_LN_NO	Commodity Line Number	The commodity line number visible to a user that uniquely identifies each commodity line within a document.	R	NUMBER	5	Starts with 1.
RF_DOC_CD	Commodity Ref Code	The identification code for the document referenced by this transaction.	CR	VARCHAR2	8	Leave blank if the commodity line does not reference a PO. Required if the commodity line references a PO document. In this case, must match the document code of referenced PO document.
RF_DOC_DEPT_CD	Commodity Ref Dept	The department code of the referenced document.	CR	VARCHAR2	4	Leave blank if the commodity line does not reference a PO. Required if the commodity line references a PO document. In this case, it must match the document department code of referenced PO document.
RF_DOC_ID	Commodity Ref ID	The identification number of the document being referenced.	CR	VARCHAR2	20	Leave blank if the commodity line does not reference a PO. Required if the commodity line references a PO document. In this case, must match the document ID of referenced PO document.

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
RF_DOC_VEND_LN_NO	Commodity Ref VL	The desired vendor line number of the referenced document specified on the current transaction.	CR	NUMBER	5	Leave blank if the commodity line does not reference a PO. Required if the commodity line references a PO document. In this case, must match the Vendor Line Number of referenced PO document.
RF_DOC_COMM_LN_NO	Commodity Ref CL	A commodity line number that was, or is, being referenced by another document.	CR	NUMBER	5	Leave blank if the commodity line does not reference a PO. Required if the commodity line references a PO document. In this case, must match the Commodity Line Number of referenced PO document.
RF_TYP	Ref Type	Defines the type of reference being performed against the specified referenced transaction line. Final closes the referenced line, meaning additional references are not allowed. Partial does not close the referenced line, allowing additional transactions to reference this line.	CR	NUMBER	5	Leave blank if the commodity line does not reference a PO. Required if the commodity line references a PO document. Valid values are: 1 – for "Partial" reference or 2 – for "Final" reference
COMM_CD	Commodity	The identification code assigned to the commodity.	CR	VARCHAR2	14	Required if the commodity line does not reference a PO document. Entered code must be valid on the Commodity table. If referencing a PO document,

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
						then leave blank and the system will infer from the referenced document upon processing the interface file.
LN_TYP	Line Type	Indicates if the commodity line is for an item or service.	CR	NUMBER	3	Required if the commodity line does not reference a PO document. Valid values are: 1 for "item" (default) 2 for "service" If referencing a PO document, set to "0" and the system will infer the Line Type of referenced document upon processing the interface file.
QTY	Quantity	The number of units being paid.	CR	DECIMAL	15, 5	Required if the LN_TYP is Item Example: 50.00000
UNIT_MEAS_CD	Unit	The identification code assigned to the unit of measure.	CR	VARCHAR2	4	If provided, must be valid on the Unit of Measure (UOM) table. Required if LN_TYP is Item and the commodity line does not reference a PO document.
UNIT_PRICE	Unit Price	The cost per unit of the goods.	CR	DECIMAL	14, 6	Required if LN_TYP is Item and the commodity line does not reference a PO document. Example: 50.000000
CNTRC_AM	Contract Amount	This amount reflects the amount the vendor will be	CR	DECIMAL	14, 2	Required if the LN_TYP is Service

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
		paid.				Example: 50.00
VEND_INV_NO	Vendor Invoice Number	The invoice number of the invoice received from the vendor. The Vendor Invoice Number must be unique and cannot already exist on the Vendor Invoice Registry table for the referenced vendor.	R	VARCHAR2	30	For the UPPS interface, this will be the check number from the check writer file.
VEND_INV_LN_NO	Vendor Invoice Line	The invoice line number of the invoice received from the vendor.	R	NUMBER	10	Set to the value of the DOC_COMM_LN_NO.
VEND_INV_DT	Vendor Invoice Date	The date of the invoice received from the vendor.	R	Date	10	Acceptable format is: "YYYY-MM-DD". Example: "2004-10-30".
CL_DSCR	CL Description	This field describes the item being procured.	CR	VARCHAR2	60	If the commodity line does not reference a PO document, then it must be provided. If referencing a PO document, then leave blank and the system will infer from the referenced document upon processing the interface file.

2.14.6 PRC Document Component: PR_DOC_ACTG

The following XML tags are a requirement for PRC documents being submitted into the eMARS system. See Appendix H for an example of a fully qualified PRC XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as defined in AMS_DOCUMENT
DOC_DEPT_CD	Document Dept	The department code assigned to this document.	R	VARCHAR2	4	Same as defined in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as defined in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as defined in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as defined in AMS_DOCUMENT
DOC_VEND_LN_NO	Document Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	NUMBER	5	Value: "1"
DOC_COMM_LN_NO	Commodity Line Number	The commodity line number visible to a user that uniquely identifies each commodity	R	NUMBER	5	Starts with 1. Must have the commodity line

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
		line within a document.				number associated with the accounting line.
DOC_ACTG_LN_NO	Accounting Line Number	The accounting line number visible to a user that uniquely identifies each accounting line within a document.	R	NUMBER	5	Must be between 1 and 99. Please note that the number of lines increments based on the document, not based on the commodity line. For example, if Commodity Line 1 has two accounting lines and Commodity line 2 has three accounting lines, then the accounting line numbers for the Commodity line 2 will be numbered as 3, 4 and 5.
RFED_ACTG_LN_NO	Ref Accounting Line	An accounting line number that was, or is, being referenced by another document.	CR	NUMBER	5	Leave blank if the accounting line does not reference a PO document. Required if the accounting line references a PO document. In this case, must match the Accounting Line Number of referenced PO document.
RF_TYP	Ref Type	Defines the type of reference being performed against the specified referenced transaction line. Final closes the referenced line, meaning additional references are not	CR	NUMBER	5	Leave blank if the accounting line does not reference a PO document. Required if the accounting line references a PO document. In this case, must always match the value on the Reference Type of

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
		allowed. Partial does not close the referenced line, allowing additional transactions to reference this line.				associated commodity line. Valid values are: "1" – for "Partial" reference or "2" – for "Final" reference
ACTG_TMPL_ID	Accounting Template	The unique identification code assigned to the accounting template. Accounting templates are used to bring in chart of account element codes for ease of data entry on documents.	CR	VARCHAR2	6	Required if the accounting line does not reference a PO document. Entered value must be valid on the Accounting Template (ACTPL) table If referencing a PO document, then leave blank and the system will infer from the referenced document upon processing the interface file.
EVNT_TYP_ID	Event Type	Event Type determines the journal postings and business rules for a particular transaction.	CR	VARCHAR2	4	<u>For non-UPPS Interfaces:</u> Required if the accounting line does not reference a PO document. In this case, enter the Event Type "AP01". If referencing a PO document, then leave blank and the system will infer from the referenced document upon processing the interface file. <u>For the UPPS interface:</u> The Event Type must always be set to XPSC , whether the

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
						accounting line references or does not reference a PO document.
SUB_TOT_LN_AM	Sub Total Line Amount	The accounting line amount.	R	DECIMAL	14, 2	<p><u>For non-UPPS Interfaces:</u> The amount will always be positive.</p> <p><u>For the UPPS interface:</u></p> <ul style="list-style-type: none"> • The amount must be positive if the accounting line references a PO document. • The amount must be negative if the accounting line does not reference a PO document. <p>Example: 50.00</p>
CHK_DSCR	Check Description	The text to be printed on the check stub.	O	VARCHAR2	50	Enter reason for check issue.
FUND_CD	Fund	The identification code associated with the fund.	O	VARCHAR2	4	If provided, must be valid on Fund (FUND) table.
SFUND_CD	Sub Fund	The identification code associated with the sub-fund.	O	VARCHAR2	4	<p>If entered, must be valid on the Sub Fund table.</p> <p>To enter a Sub Fund Code, the Fund Code must be entered.</p>
OBJ_CD	Object	The identification code associated with an object of expenditure.	CR	VARCHAR2	4	<p>Required for the non-referencing accounting lines.</p> <p>If provided, must be valid on the Object table.</p>

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
SOBJ_CD	Sub Object	The identification code associated with the sub-object. Sub-object is a fund accounting Chart of Accounts element.	O	VARCHAR2	4	If entered, must be valid on the Sub Object table. To enter a Sub Object Code, the Object Code must be entered.
RSRC_CD	Revenue	Revenue sources are used to track individual sources of revenue taken in.	O	VARCHAR2	4	If provided, must be valid on the Revenue table.
SRSRC_CD	Sub Revenue	The identification code associated with the sub revenue source account.	O	VARCHAR2	4	If entered, must be valid on the Sub Revenue Source table. To enter a Sub Revenue Source Code, the Revenue Source Code must be entered.
DEPT_CD	Department	An identification code associated with a department.	R	VARCHAR2	4	Must be valid on Department Fiscal Year Controls table.
UNIT_CD	Unit	An identification code associated with a Unit.	O	VARCHAR2	4	If entered, must be valid on the Unit table.
SUNIT_CD	Sub Unit	Sub Unit is a means of breaking down a unit code into smaller measurements. It is the lowest level of organizational structure and is required or prohibited based on one or more sub unit requirement tables.	O	VARCHAR2	4	If entered, must be valid on the Sub Unit table. To enter a Sub Unit Code, the Unit Code must be entered.

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
APPR_CD	Appr Unit	The identification code associated to an appropriation unit.	O	VARCHAR2	9	If entered, must be valid on the Appropriation table.
BSA_CD	BSA	The identification code assigned to the balance sheet account.	O	VARCHAR2	4	If entered, must be valid on Balance Sheet Account (BSA) table.
SBSA_CD	Sub BSA	The identification code assigned to the sub-balance sheet account.	O	VARCHAR2	4	If entered, must be valid on the Sub BSA table. To enter a Sub BSA Code, the BSA Code must be entered.
DOBJ_CD	Dept Object	The identification code assigned to the Department object.	O	VARCHAR2	4	If entered, must be valid on the Department Object table.
DRSRC_CD	Dept Revenue	The code assigned to the department revenue source.	O	VARCHAR2	4	If entered, must be valid on the Department Revenue Source table.
LOC_CD	Location	The identification code assigned to the location.	O	VARCHAR2	4	If entered, must be valid on the Location table.
SLOC_CD	Sub Location	The identification code associated with the sub-location.	O	VARCHAR2	4	If entered, must be valid on the Sub Location table. To enter a Sub Location Code, the Location Code must be entered.
ACTV_CD	Activity	The identification code associated with the activity.	O	VARCHAR2	4	If entered, must be valid on the Activity table.
SACTV_CD	Sub Activity	The identification code associated with the sub-	O	VARCHAR2	4	If entered, must be valid on the Sub Activity table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
		activity.				To enter a Sub Activity Code, the Activity Code must be entered.
FUNC_CD	Function	The identification code associated with the function. The function code defines broad operational objectives, such as instruction, support services, and facilities acquisition.	O	VARCHAR2	10	If entered, must be valid on the Function table.
SFUNC_CD	Sub Function	The identification code associated with the sub-function.	O	VARCHAR2	4	If entered, must be valid on the Sub Function table. To enter a Sub Function Code, the Function Code must be entered.
RPT_CD	Reporting	The reporting code element is used for tracking contract activity. The contract number will be entered in this field.	O	VARCHAR2	10	If entered, must be valid on the Reporting Code table.
SRPT_CD	Sub Reporting	Sub reporting codes define contract periods.	O	VARCHAR2	4	If entered, must be valid on the Sub Reporting table. To enter a Sub Reporting Code, the Reporting Code must be entered.
TASK_CD	Task	The unique identification code assigned to the task.	O	VARCHAR2	4	If entered, must be valid on the Task table.
STASK_CD	Sub Task	The sub task is a means of	O	VARCHAR2	4	If entered must be valid on Sub Task table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comment
		breaking down tasks into smaller components.				To enter a Sub Task Code, the Task Code must be entered.
TASK_ORD_CD	Task Order	The unique identification code assigned to the task order.	0	VARCHAR2	6	If entered, must be valid on the Task Order table.
PROG_CD	Program	The identification code assigned to the project. Project is a cost accounting Chart of Accounts element.	0	VARCHAR2	10	If entered, must be valid on the Program Setup table.
PHASE_CD	Phase	The identification code assigned to the phase. Phase is a cost accounting Chart of Accounts element representing a phase of a project.	0	VARCHAR2	6	If entered, must be valid on the Program Phase table. To enter a Phase Code, the Program Code must be entered.
PPC_CD	Program Period	The identification code assigned to the project period.	0	VARCHAR2	6	If entered, must be valid on the Program Period table. To enter a Program Period Code, the Program Code must be entered (to infer the Major Program).

2.15 Cost Allocation (CA) Document Usage

2.15.1 Current MARS Process

Currently, JVB, JVC, JVM and JVT documents are used to correct previously recorded expenditures or revenue transactions, record cash transfers and record accounting transactions that cannot be recorded using any other document.

2.15.2 New eMARS Process

In eMARS, JV documents without vendor code or 1099 implications will be replaced by the CA document (*any transactions with vendor or 1099 implications have to be accomplished on either a JV or a JV2E in eMARS*). It will be used to correct previously posted expenditure or revenue transactions, record accounting transactions that cannot be recorded using any other document, and record all on-budget and off-budget transfers.

For interfaces, CA Documents will have the following characteristics:

- There can be up to 99 accounting lines present on the document
- CA Modification documents cannot be sent through the Interface.
- The CA documents received through interfaces will not reference any other documents.

2.16 Cost Allocation (CA) Transaction Layout

The XML based CA transaction consists of 4 required components. Figure 2-16 is a graphical representation of all components, the action explaining whether its inclusion is required or not, and its description. Figure 2-17 further illustrates the CA document showing that it will have one AMS_DOCUMENT record and one CH_DOC_HDR that can have one or multiple CH_DOC_ACTG records associated. However, the total number of CH_DOC_ACTG records must not exceed 99. The remaining sections explain each component that constitutes a complete XML based CA document.

The structure of an XML file with 2 CA documents where each document is associated with 2 accounting records will be as follows:

Document record #1
Header record

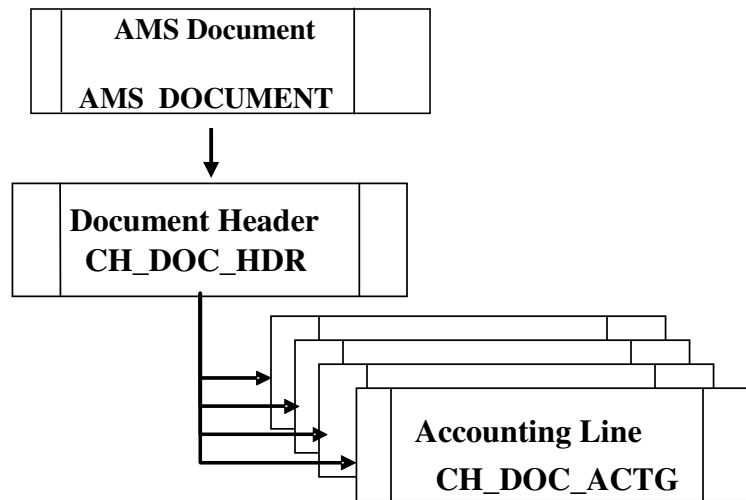
Accounting record 1
Accounting record 2

Document record #2
Header record
Accounting record 1
Accounting record 2

Figure 2-16: CA Transaction Required XML components

	Action	
	Original entry	Component description
AMS_DOC_XML_IMPORT_FILE	Required	Unique Tag used to identify the beginning and ending of an inbound XML interface file.
AMS_DOCUMENT	Required	Unique Tag used to identify the beginning and ending of a document within an inbound XML interface file.
CH_DOC_HDR	Required	Unique Tag used to identify the beginning and ending of a header component within a document.
CH_DOC_ACTG	Required	Unique Tag used to identify the beginning and ending of an accounting line within a document.

Figure 2-17: CA Document Components



2.16.1 CA Document Component : AMS_DOC_XML_IMPORT_FILE

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix I for an example of a fully qualified CA XML example:

XML Tag	Description	R/C
AMS_DOC_XML_IMPORT_FILE	Required XML beginning and ending tag for a base CA document	R

2.16.2 CA Document Component: AMS_DOCUMENT

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix I for an example of a fully qualified CA XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	'CA'
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	'CH'
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	'CA'
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Must be valid on Department table

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_UNIT_CD	Document Unit	The unit code associated with this document which can be used to facilitate workflow.	R	VARCHAR2	4	Must be valid on UNIT table
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Assigned by the agency. See section 1.3.3
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Set to "1".
AUTO_DOC_NUM	Automatic Document Numbering	Indicates that system will assign a unique Document ID: "true" for system assigned Document ID number or "false" for no system assigned Document ID Number.	R	VARCHAR2	5	Set to "false".
DOC_IMPORT_MODE	Document Import Mode	Indicates that the document is being made as an Original Entry "OE".	R	VARCHAR2	3	Set to "OE" for Original Entry.

2.16.3 CA Document Component: CH_DOC_HDR

The following XML tags are a requirement for CA documents being submitted into the eMARS system. See Appendix I for an example of a fully qualified CA XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document	R	VARCHAR2	8	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		code must be assigned a document type.				
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_REC_DT_DC	Record Date	The record date manually entered on the document header. If not manually entered, the date becomes the one when the document was submitted successfully.	O	DATE	10	If left blank, the system will default it to the current date. If provided, the format of this date is "YYYY-MM-DD". Example: "2004-10-30".
DOC_BFY	Budget FY	When on the header of a document, this is the default budget fiscal year that will be pushed to all accounting lines.	CR	NUMBER	4	Leave blank unless it is July and the document needs to be posted in the prior year. If left blank, the system will populate it with the Fiscal Year of the Record Date on

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
						<p>associated document.</p> <p>If posting to a prior fiscal year, provide the budget fiscal year.</p> <p>If provided, must be valid on the Fiscal Year table and follow the format "YYYY".</p>
DOC_FY_DC	Fiscal Year	The fiscal year associated with this document.	CR	NUMBER	4	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Year of the Record Date on associated document.</p> <p>If posted to the 13th accounting period in the prior fiscal year, the Fiscal Year must be entered.</p> <p>If provided, must be valid on the Fiscal Year table and follow the format "YYYY".</p>
DOC_PER_DC	Period	When on the header of a document, this is the default accounting period that is pushed to all accounting lines. If not manually entered, the field remains blank until the document is submitted successfully. At	CR	NUMBER	2	<p>Leave blank unless it is July and the document needs to be posted in the prior year.</p> <p>If left blank, the system will populate it with the Fiscal Period of the Record Date on associated document.</p> <p>If posted to the 13th</p>

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		this point it is set to the current accounting period. This field is automatically blanked out by the application on any modification or cancellation draft.				accounting period in the prior fiscal year, the Fiscal Period must be entered. If provided, the valid value is 13.
DOC_NM	Document Name	Name for the document.	O	VARCHAR2	60	The contents of this field will be posted to the data warehouse.
DOC_DSCR	Document Description	The description associated with the document.	O	VARCHAR2	60	

2.16.4 CA Document Component: CH_DOC_ACTG

The following XML tags are a requirement for CA documents being submitted into the eMARS system. See Appendix I for an example of a fully qualified CA XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCAHR2	8	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_ACTG_LN_NO	Accounting Line Number	The accounting line number visible to a user that uniquely identifies each accounting line within a document.	R	NUMBER	5	Line numbering begins at 1 and should be incremental by one for additional lines up to 99. Example: "1"
ACTG_TMPL_ID	Accounting Template	The unique identification code assigned to the accounting template. Accounting templates are used to bring in chart of account element codes for ease	R	VARCHAR2	6	Must be valid on the Accounting Template (ACTPL) table

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		of data entry on documents.				
EVNT_TYP_ID	Event Type	Event Type determines the journal postings and business rules for a particular transaction.	R	VARCHAR2	4	Valid values are: "CA01" for Expenditure Allocation "CA02" for Revenue Allocation
LN_AM	Line Amount	The amount of an individual accounting line.	R	DECIMAL	14, 2	Amounts may be positive or negative. Example: 50.00, -50.00.
FUND_CD	Fund	The identification code associated with the fund.	O	VARCHAR2	4	If provided, must be valid on Fund (FUND) table.
SFUND_CD	Sub Fund	The identification code associated with the sub-fund.	O	VARCHAR2	4	If entered, must be valid on the Sub Fund table. To enter a Sub Fund Code, the Fund Code must be entered.
OBJ_CD	Object	The identification code associated with an object of expenditure.	O	VARCHAR2	4	If provided, must be valid on the Object table.
SOBJ_CD	Sub Object	The identification code associated with the sub-object. Sub-object is a fund accounting Chart of Accounts element.	O	VARCHAR2	4	If entered, must be valid on the Sub Object table. To enter a Sub Object Code, the Object Code must be entered.
RSRC_CD	Revenue	Revenue sources are used to track individual sources of	O	VARCHAR2	4	If provided, must be valid on the Revenue table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		revenue taken in.				
SRSRC_CD	Sub Revenue	The identification code associated with the sub revenue source account.	O	VARCHAR2	4	If entered, must be valid on the Sub Revenue Source table. To enter a Sub Revenue Source Code, the Revenue Source Code must be entered.
DEPT_CD	Department	An identification code associated with a department.	R	VARCHAR2	4	Must be valid on Department Fiscal Year Controls table.
UNIT_CD	Unit	An identification code associated with a Unit.	O	VARCHAR2	4	If entered, must be valid on the Unit table.
SUNIT_CD	Sub Unit	Sub Unit is a means of breaking down a unit code into smaller measurements. It is the lowest level of organizational structure and is required or prohibited based on one or more sub unit requirement tables.	O	VARCHAR2	4	If entered, must be valid on the Sub Unit table. To enter a Sub Unit Code, the Unit Code must be entered.
APPR_CD	Appr Unit	The identification code associated to an appropriation unit.	O	VARCHAR2	9	If entered, must be valid on the Appropriation table.
BSA_CD	BSA	The identification code assigned to the balance sheet account.	O	VARCHAR2	4	If entered, must be valid on Balance Sheet Account (BSA) table.
SBSA_CD	Sub BSA	The identification code assigned to the sub-balance sheet	O	VARCHAR2	4	If entered, must be valid on the Sub BSA table. To enter a Sub BSA Code, the

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		account.				BSA Code must be entered.
DOBJ_CD	Dept Object	The identification code assigned to the Department object.	O	VARCHAR2	4	If entered, must be valid on the Department Object table.
DRSRC_CD	Dept Revenue	The code assigned to the department revenue source.	O	VARCHAR2	4	If entered, must be valid on the Department Revenue Source table.
LOC_CD	Location	The identification code assigned to the location.	O	VARCHAR2	4	If entered, must be valid on the Location table.
SLOC_CD	Sub Location	The identification code associated with the sub-location.	O	VARCHAR2	4	If entered, must be valid on the Sub Location table. To enter a Sub Location Code, the Location Code must be entered.
ACTV_CD	Activity	The identification code associated with the activity.	O	VARCHAR2	4	If entered, must be valid on the Activity table.
SACTV_CD	Sub Activity	The identification code associated with the sub-activity.	O	VARCHAR2	4	If entered, must be valid on the Sub Activity table. To enter a Sub Activity Code, the Activity Code must be entered.
FUNC_CD	Function	The identification code associated with the function. The function code defines broad operational objectives, such as instruction, support services, and facilities acquisition.	O	VARCHAR2	10	If entered, must be valid on the Function table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
SFUNC_CD	Sub Function	The identification code associated with the sub-function.	O	VARCHAR2	4	If entered, must be valid on the Sub Function table. To enter a Sub Function Code, the Function Code must be entered.
RPT_CD	Reporting	The reporting code element is used for tracking contract activity. The contract number will be entered in this field.	O	VARCHAR2	10	If entered, must be valid on the Reporting Code table.
SRPT_CD	Sub Reporting	Sub reporting codes define contract periods.	O	VARCHAR2	4	If entered, must be valid on the Sub Reporting table. To enter a Sub Reporting Code, the Reporting Code must be entered.
TASK_CD	Task	The unique identification code assigned to the task.	O	VARCHAR2	4	If entered, must be valid on the Task table.
STASK_CD	Sub Task	The sub task is a means of breaking down tasks into smaller components.	O	VARCHAR2	4	If entered must be valid on Sub Task table. To enter a Sub Task Code, the Task Code must be entered.
TASK_ORD_CD	Task Order	The unique identification code assigned to the task order.	O	VARCHAR2	6	If entered, must be valid on the Task Order table.
PROG_CD	Program	The identification code assigned to the project. Project is a cost accounting Chart of Accounts element.	O	VARCHAR2	10	If entered, must be valid on the Program Setup table.
PHASE_CD	Phase	The identification code assigned to the phase. Phase is a cost	O	VARCHAR2	6	If entered, must be valid on the Program Phase table. To enter a Phase Code, the

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		accounting Chart of Accounts element representing a phase of a project.				Program Code must be entered.
PPC_CD	Program Period	The identification code assigned to the project period.	O	VARCHAR2	6	If entered, must be valid on the Program Period table. To enter a Program Period Code, the Program Code must be entered (to infer the Major Program).
ACTG_LN_DSCR	Line Description	The description associated with the accounting line.	O	VARCHAR2	100	May be used to enter any text considered to be useful.

2.17 Invoice (IN) Document Usage

2.17.1 Current MARS Process

Currently, PO documents are interfaced from the Transportation CPES system to record an order for the purchase of goods or services and encumber funds for payment. P1 documents are used to record CPES payments.

2.17.2 New eMARS Process

In eMARS, a PO document will be used for the same purpose and the Invoice (IN) document will be used to initiate the generation of a Payment Request (PRM) document to liquidate the encumbered funds. For interfaces, the IN Documents will have the following characteristics:

- o There can be up to 99 commodity lines present on the document.
- o The IN documents received through interfaces will reference the Purchase Order (PO) document that is to be liquidated.

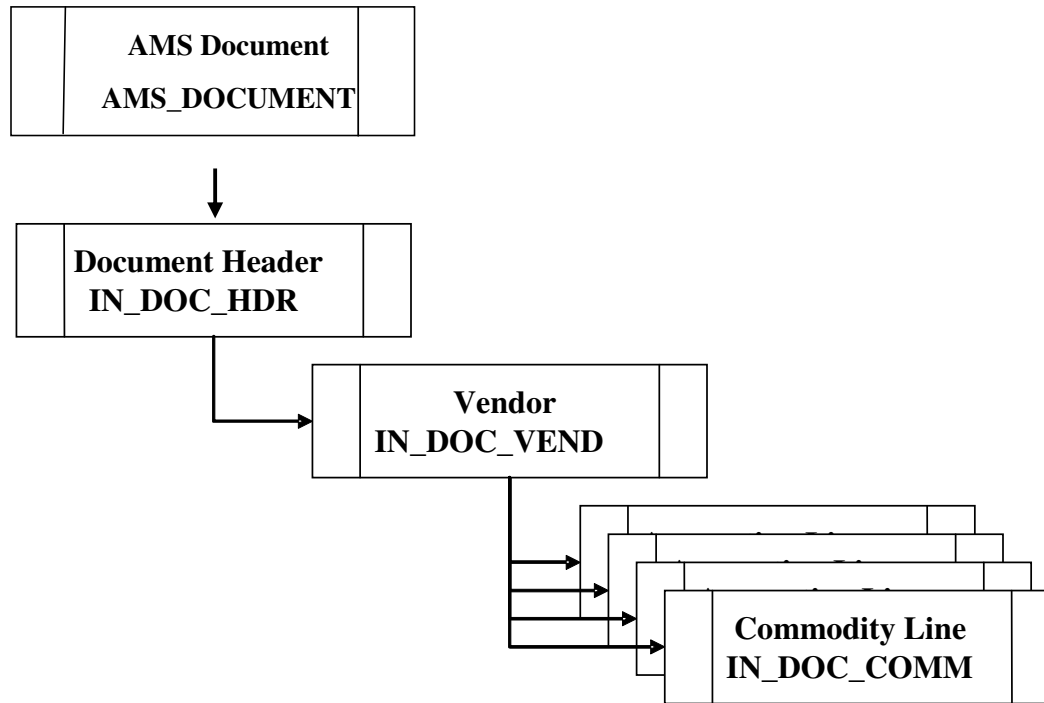
2.18 Invoice (IN) Transaction Layout

The XML based IN transaction consists of 5 required components. Figure 2-18 is a graphical representation of all components, the action explaining whether its inclusion is required or not, and its description. Figure 2-19 further illustrates the IN document showing that it will have one AMS_DOCUMENT record, one IN_DOC_HDR, and one IN_DOC_VEND that can have one or multiple IN_DOC_COMM records associated with it. The remaining sections explain each component that constitutes a complete XML based IN document.

Figure 2-18: IN Transaction Required XML components

	Action		Component description
	Original entry	Modification	
AMS_DOC_XML_IMPORT_FILE	Required	Required	Unique Tag used to identify the beginning and ending of an inbound XML interface file.
AMS_DOCUMENT	Required	Required	Unique Tag used to identify the beginning and ending of a document within an inbound XML interface file.
IN_DOC_HDR	Required	Required	Unique Tag used to identify the beginning and ending of a header component within a document.
IN_DOC_VEND	Required	Required	Unique Tag used to identify the beginning and ending of a vendor component within a document.
IN_DOC_COMM	Required	Required	Unique Tag used to identify the beginning and ending of a commodity lines within a document.

Figure 2-19: IN Document Components



2.18.1 IN Document Component : AMS_DOC_XML_IMPORT_FILE

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix P for an example of a fully qualified JV2E XML example:

XML Tag	Description	R/C
AMS_DOC_XML_IMPORT_FILE	Required XML beginning tag for a base IN document	R

2.18.2 IN Document Component: AMS_DOCUMENT

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix P for an example of a fully qualified JV2E XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	'PROC'
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	'IN'
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	'IN'
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Valid Department Code on the Department table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_UNIT_CD	Document Unit	The unit code associated with this document which can be used to facilitate workflow.	R	VARCHAR2	4	Valid Unit Code on the Unit table.
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Assigned by the agency see section 1.3.3.
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Set to "1".
AUTO_DOC_NUM	Automatic Document Numbering	Indicates that system will assign a unique Document ID: "true" for system assigned Document ID number or "false" for no system assigned Document ID Number.	R	VARCHAR2	5	Set to "false".
DOC_IMPORT_MODE	Document Import Mode	Indicates that the document is being made as an Original Entry "OE".	R	VARCHAR2	3	Set to "OE" for Original Entry.

2.18.3 IN Document Component: IN_DOC_HDR

The following XML tags are a requirement for IN documents being submitted into the eMARS system. See Appendix P for an example of a fully qualified JV2E XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_NM	Document Name	Name for the document.	O	VARCHAR2	60	The contents of this field will be posted to the data warehouse.
INV_DT	Invoice Date	The record date manually entered on the document header. If not manually entered, the date becomes the one when the document was submitted successfully.	R	Date	10	If left blank, the system will default it to the current date. If provided, the format of this date is "YYYY-MM-DD". Example: "2004-10-30".
LOC_CD	Invoiced	The location code who received	O	VARCHAR2	6	

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
	Location	the invoice "billed location".				
DOC_DSCR	Document Description	The description associated with the document.	O	VARCHAR2	60	
VEND_INV_NO	Vendor Invoice Number	The vendor's invoice number	R	VARCHAR2	30	
VEND_CUST_CD	Vendor/Cust	The unique identifier assigned to the vendor/customer.	R	VARCHAR2	20	

2.18.4 IN Document Component: IN_DOC_VEND

The following XML tags are a requirement for IN documents being submitted into the eMARS system. See Appendix P for an example of a fully qualified JV2E XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT

DOC_DEPT_CD	Document Dept	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Document Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	NUMBER	5	Value: " 1"
VEND_CUST_CD	Vendor Customer	The unique identifier assigned to the vendor/customer.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
AD_ID	Address Code	The Address Code or ID given to a unique address for a vendor or customer.	CR	VARCHAR2	20	Must be valid and active procurement address ID for the VEND_CUST_CD on the Vendor Customer table.
CNTAC_ID	Vendor Contact	The unique identification number assigned to the contact. The use of different contact ID's will allow a single vendor or vendor code to have multiple contacts.	CR	VARCHAR2	20	If provided, must be valid contact ID for the VEND_CUST_CD on the Vendor Customer table. If not provided, it will be defaulted by the system upon processing the interface file.
SCHED_PYMT_DT	Scheduled Payment Date	The date the payment is scheduled to be disbursed	O	Date	10	If left blank, the system will default it to the current date. If provided, the format of this

VEND_DISB_CAT	Disbursement Category	It defines the handling procedure for disbursed check payments.	O	VARCHAR2	4	<p>date is "YYYY-MM-DD". Example: "2004-10-30".</p> <p>If left blank, it will default to "STM" Sealed Treasury Mailed. If provided, it must be valid on the Disbursement Category table. Valid values include:</p> <p>UTH – Unsealed Treasury Hold</p> <p>UAM – Unsealed Agency Mail</p> <p>STH – Sealed Treasury Hold</p> <p>STM – Sealed Treasury Mailed</p> <p>SAM – Sealed Agency Mailed</p>
DFLT_DISB_FRMT	Disbursement Format	Indicates the format of the check stock for check payments or the ACH format for EFT payments.	O	VARCHAR2	4	<p>If left blank, it will default from the vendor record on VCUST upon processing.</p> <p>If provided, it must be set to "CCD" for EFT payments or "GENC" for check payments.</p>

2.18.5 IN Document Component: IN_DOC_COMM

The following XML tags are a requirement for IN documents being submitted into the eMARS system. See Appendix P for an example of a fully qualified JV2E XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VEND_LN_NO	Document Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	NUMBER	5	Value: "1"
DOC_COMM_LN_NO	Commodity Line	The commodity line number visible to a user that uniquely	R	NUMBER	5	Starts with 1.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
	Number	identifies each commodity line within a document.				
RF_DOC_CD		Referenced purchase order document code	R			PO2
RF_DOC_DEPT_CD		Referenced department on the purchase order document	R			Department
RF_DOC_ID		Referenced purchase order document ID	R			Doc ID
RF_DOC_VEND_LN_NO		Referenced purchase order document vendor line	R			1
RF_DOC_COMM_LN_NO		Referenced purchase order document commodity line	R			Commodity line # from PO2
RF_TYP	Invoice Indicator	Defines the type of reference being performed against the referenced order line. Final closes the referenced line, meaning additional references are not allowed. Partial does not close the referenced line, allowing additional transactions to reference the line.	R	Number	5	Valid Values are: 1 – for Partial reference Or 2 – for Final reference
VEND_INV_NO	Vendor Invoice Number	The vendor's invoice number	R	VARCHAR2	30	Same as in AMS_DOCUMENT
VEND_INV_LN_NO	Invoice Line Number	Line Number on the invoice	R	Number	11	

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
QTY	Quantity	The number in units.	CR	DECIMAL	15, 5	Required if LN_TYP is Item Example: 50.00000
UNIT_PRICE	Unit Price	The cost per unit of the goods.	CR	DECIMAL	14, 6	Required if LN_TYP is Item. Example: 50.000000
CNTRC_AM	Contract Amount	The contract amount for service contracts.	CR	DECIMAL	14, 2	Required if LN_TYP is a Service Example: 50.00
SVC_TO_DT	Service To	The ending date of service for this solicitation.	CR	DATE	10	Required if LN_TYP is a Service Acceptable format is: "YYYY-MM-DD". Example: "2004-10-30". The Service End Date can be a past, current or future date. Agencies may provide a date if desired. Otherwise, leave blank and system will default it to the current date upon processing the interface file. If provided, it must be greater than or equal to the SVC_STRT_DT.
SVC_FRM_DT	Service From	The starting date of service for	CR	DATE	10	Required if LN_TYP is a Service

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		this solicitation.				Acceptable format is: "YYYY-MM-DD". Example: "2004-10-30". The Service From Date can be a past, current or future date. Agencies may provide a date if desired. Otherwise, leave blank and system will default it to the current date upon processing the interface file.
COND_CD	Condition	Condition of invoice if invoiced quantity/amount does not match ordered quantity/amount	CR	NUM	2	Required if ordered quantity/amount does not match invoiced quantity/amount. Valid values are: "24" - Partial
REAS	Reason	Reason for the condition (i.e. partial invoice, overshipment, over invoice, etc.)	CR	VARCHAR2	120	Required when a condition is entered.

3 Inbound Vendor Based Specification

3.1 Vendor Customer Creation (VCC) Document Usage

3.1.1 Current MARS Process

The Uniform Personnel and Payroll System (UPPS) and Medicaid maintain payee information. One file containing current employees and their addresses is sent from UPPS to MARS and another file is sent from Medicaid to MARS to update the vendor information. UPPS applies updates to the employees within their database, but does not maintain a set of add, change, and delete transactions. MARS also has a list of current state employees in the Procurement Desktop (PD) and ADVANTAGE vendor tables that must be maintained.

UPPS currently creates a file with the vendor type already set with either an "E" for employees, "N" for non-P1 employees, or "P" for personal service contracts. UPPS does not provide vendor information directly to MARS. Instead an Advantage comparison program parses both the incoming files from UPPS and Medicaid to update MARS. Six (6) files are created by the Advantage parsing program three (3) for either add, modifications, or inactivity updates to be recorded into PD and three (3) for either add, modifications, or inactivity updates to be recorded into for Advantage.

3.1.2 New eMARS Process

The PD portion of the system will be non existent with the upgrade to eMARS. UPPS and Medicaid information for new vendors only will be submitted directly to the eMARS system by way of a Vendor Customer Creation (VCC) document. Modification and inactivity of existing vendor codes will be submitted to eMARS by submitting the Vendor Customer Modification (VCM) document. The Vendor/Customer Creation (VCC) document cannot be modified or cancelled once it has been submitted to Final. A Vendor/Customer Modification (VCM) document must be created to reverse the effects of the original document. The VCC document cannot reference any other document in Advantage and it cannot be referenced by any other document in Advantage.

3.2 Vendor Customer Creation (VCC) Transaction Layout

The XML based VCC transaction consists of **7** required components. Figure 3-1 is a graphical representation of all components, the action explaining whether its inclusion is required or not, and its description. Figure 3-2 further illustrates the VCC document showing that the VCC document will have one AMS_DOCUMENT record, one VCC_DOC_VCUST record, with two VCC_DOC_AD records (one for procurement and one for payment), one VCC_DOC_1099 record, one VCC_DOC_BUS record and one VCC_DOC_CERT record associated with the VCC_DOC_VCUST. The remaining sections explain each component that constitutes a complete XML based VCC document.

The structure of an XML file with 2 VCC documents will be as follows:

Document record #1

Vendor/Customer record 1

Payment Address record 1

Procurement Address record 1

1099 record 1

Business Type record 1

Certification record 1

Document record #2

Vendor/Customer record 1

Payment Address record 1

Procurement Address record 1

1099 record 1

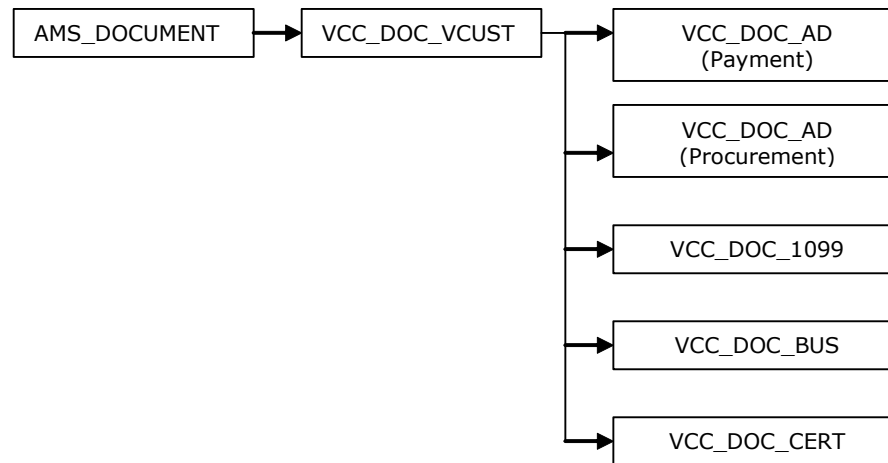
Business Type record 1

Certification record 1

Figure 3-1: VCC Transaction Required XML components

	Action	
	Original entry	Component description
AMS_DOC_XML_IMPORT_FILE	Required	Unique Tag used to identify the beginning and ending of an inbound XML interface file.
AMS_DOCUMENT	Required	Unique Tag used to identify the beginning and ending of a document within an inbound XML interface file.
VCC_DOC_VCUST	Required	Unique Tag used to identify the beginning and ending of vendor/customer information such as vendor code, vendor name and TIN.
VCC_DOC_AD	Required	Unique Tag used to identify the beginning and ending of a vendor payment/procurement address and contact information within a document.
VCC_DOC_1099	Required	Unique Tag used to identify the beginning and ending of a vendor 1099 reporting information.
VCC_DOC_BUS	Required	Unique Tag used to identify the beginning and ending of business description information for a vendor.
VCC_DOC_CERT	Required	Unique Tag used to identify the beginning and ending of certification status of a vendor.

Figure 3-2: VCC Transaction Required XML components



3.2.1 VCC Document Component: AMS_DOC_XML_IMPORT_FILE

The purpose of this section is to detail the XML attributes that are needed to submit a fully qualified XML document to eMARS for processing.

XML Tag	Description	R/C
AMS_DOC_XML_IMPORT_FILE	Required XML beginning and ending tag for a VCC document	R

3.2.2 VCC Document Component: AMS_DOCUMENT

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix J for an example of a fully qualified VCC XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	"VCUST"
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	"VCC"
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	"VCC"
DOC_DEPT_CD	Department Code	The department code assigned to this document.	R	VARCHAR2	4	Must be valid on Department (DEPT) table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_UNIT_CD	Document Unit	The document unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Must be valid on the UNIT table
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Assigned by the agency. See section 1.3.3
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Set to "1".
AUTO_DOC_NUM	Automatic Document Numbering	Indicates that system will assign a unique Document ID: "true" for system assigned Document ID number or "false" for no system assigned Document ID Number.	R	VARCHAR2	5	Set to "false".
DOC_IMPORT_MODE	Document Import Mode	The import mode determining the phase of the document on import.	R	VARCHAR2	3	Set to "OE" for Original Entry.

3.2.3 VCC Document Component: VCC_DOC_VCUST

The following XML tags are a requirement for a VCC XML file being submitted into the eMARS system. See Appendix J for an example of a fully qualified VCC XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
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XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VCUSTOMER_LN_NO	Vendor/ Customer Line Number	The vendor/ customer line number visible to a user that uniquely identifies each vendor/ customer line within a document.	R	NUMBER	5	Set to "1".

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
VEND_CUST_CD	Vendor/Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VARCHAR2	20	<p>For individuals (applicable to the UPPS and Medicaid interfaces), set this field as follows:</p> <ul style="list-style-type: none"> ○ Position 1: 1st character of the First Name ○ Positions 2 through 4: first 3 characters of the Last Name ○ Positions 5 through 8: last 4 digits of the TIN (i.e. SSN). ○ Positions 9 through 10: set to "MD" for the Medicaid interface or "KY" for the UPPS interface. <p>For businesses (applicable to the Medicaid interface only), set this field as follows:</p> <ul style="list-style-type: none"> ○ Positions 1 through 4: first 4 characters of the Company Name ○ Positions 5 through 8: last 4 digits of the TIN (i.e. EIN). ○ Positions 9 through 10: set to "MD".

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
ORG_TYP	Organization Type	The type of the organization. Valid values are Individual or Company.	R	NUMBER	3	Set to "1" for Individual Set to "2" for Company UPPS Interface must always set this value to "1".
FRST_NM	First Name	For individuals, this is the First Name.	CR	VARCHAR2	14	Required if ORG_TYP = "1". Leave blank if ORG_TYP = "2". Upon processing the VCC document, its value will be populated as the first name on the Legal Name field.
LAST_NM	Last Name	For individuals, this is the Last Name.	CR	VARCHAR2	30	Required if ORG_TYP = "1". Leave blank if ORG_TYP = "2". Upon processing the VCC document, its value will be populated as the last name on the Legal Name field.
MID_NM	Middle Name	For individuals, this is the Middle Name.	O	VARCHAR2	14	It can be provided if ORG_TYP = "1". Leave blank if ORG_TYP = "2".
COMP_NM	Company Name	For companies, this is the Vendor's Company Name.	CR	VARCHAR2	60	Required if ORG_TYP = "2". Leave blank if ORG_TYP = "1". Upon processing the VCC document, its value will be populated as the name on the Legal Name field.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
ORG_CLS	Classification	<p>The classification type associated with the organization.</p> <p>If ORG_TYP = "1", ORG_CLS must be an individual Org Class.</p> <p>If ORG_TYP = "2", ORG_CLS must be a company Org Class.</p>	R	NUMBER	3	<p>Valid values are: "1" for Individual "2" for Sole Proprietorship "3" for Partnership "4" for Corporation "5" for Nonresident Alien "10" for Other</p> <p>UPPS Interface must always set this value to "1" (i.e. Individual).</p>
ALIAS_NM	Alias/DBA	The alternate name, alias or operating name (doing business as) used to identify the account.	O	VARCHAR2	60	The field can be used as the second vendor name.
TIN	Taxpayer ID Number	The taxpayer identification number.	R	VARCHAR2	9	All 9 characters must be filled with numbers.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
TIN_TYP	Taxpayer ID Number Type	The type associated with the taxpayer identification number. For example: Employer Identification Number (EIN) and Social Security Number (SSN).	R	VARCHAR2	1	Valid values are: - "1" for EIN - "2" for SSN/ITIN/ATIN If ORG_TYP = "2" (Corporation), then TIN_TYP must be "1" If ORG_TYP = "1" (Individual), then TIN_TYP must be "2" UPPS Interface must always set this value to "2".
DISB_CAT	Category	The default disbursement category for disbursement requests generated for this vendor/customer.	R	VARCHAR2	4	Medicaid Interface must set this value to "UAM" (Unsealed Treasury Hold). UPPS Interface must set this value to "SAM" (Sealed Agency Mailed). These values are stored on the Disbursement Category table.
DFLT_DISB_FRMT	Default Format	The default disbursement format to be used when generating payments to this record. Must be valid on the Disbursement Format page.	R	VARCHAR2	4	Set to "GENC" (i.e. C-fold checks).
SNGL_CHK_IND	Single Payment Indicator	Indicates whether payment requests for the same payee should be combined into a single disbursement.	R	VARCHAR2	5	Set to "true" (i.e. do not combine payments when issuing checks/EFT's).

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
CHK_NM	Name on Check	Indicates which name to print on checks. Valid values are: Legal Name, Alias/DBA or Both.	R	NUMBER	3	Set to "3" in order to print both the Legal Name and Alias Name (if provided) on the check.
ABA_NO	ABA Number	The American Banking Association number assigned to the bank	CR	VARCHAR2	9	Required if paying by EFT. If check vendor, then leave blank.
ACCT_TYP	Account Type	Indicates the type of account being used.	CR	NUMBER	3	Required if paying by EFT. Valid values are: "1" for "Savings" "2" for "Checking" If check vendor, then Leave blank.
ACCT_NO	Account Number	The Account Number is the number of the bank account to be used for EFT payments.	CR	VARCHAR2	17	Required if paying by EFT. If check vendor, then leave blank.
EFT_FRMT	EFT Format	The electronic funds transfer (EFT) format that is applied to EFT transactions generated for this vendor/customer	CR	VARCHAR2	4	Set to "CCD" if paying by EFT. If check vendor, then leave blank.
EFT_STA	EFT Status	The current status of the electronic funds transfer (EFT) processing.	CR	NUMBER	3	Required if paying by EFT. Set to "3" (i.e. Eligible for EFT). If check vendor, then leave blank.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
ALW_EFT_FL	Generate EFT Payment	Indicates that the vendor/customer accepts electronic fund transfers (EFTs).	CR	VARCHAR2	5	Required if paying by EFT. Set to "true". If check vendor, then leave blank and the system will default it to "false".

3.2.4 VCC Document Component: VCC_DOC_AD

Every vendor code must be associated with **two VCC_DOC_AD records**, one record for the **Payment Address** and another one for the **Procurement Address**.

The following XML tags are a requirement for a VCC XML file being submitted into the eMARS system. See Appendix J for an example of a fully qualified VCC XML example.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VCUST_LN_NO	Vendor/ Customer Line Number	The vendor/ customer line number that uniquely identifies each vendor/ customer line within a document.	R	NUMBER	5	Set to "1".
DOC_AD_LN_NO	Address Line Number	The address line number that uniquely identifies each address line for the VCUST record.	R	NUMBER	5	Set value = "1" For the Payment Address Set value = "2" For the Procurement
VEND_CUST_CD	Vendor/Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VARCHAR2	20	Same as in VCC_DOC_VCUST

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
AD_TYP	Address Type	Indicates the type of address. For payment set to "PA". For procurement set to "PR".	R	VARCHAR2	2	Valid values are: "PA" – Payment Address (when DOC_AD_LN_NO = 1) "PR" – Procurement Address (when DOC_AD_LN_NO = 2) Each vendor record must have one Procurement (PR) address record and one Payment (PA) address record.
DFLT_AD_TYP	Default Record	Indicates if this address is the default address for a given address type. Only one address per address type can be marked as the default record. The record marked as default is used on documents and other processes to infer an address/contact when one is not specified.	R	NUMBER	3	Per Address Type (AD_TYP), there must be one default address type. Set to "1" for the Payment and Procurement address types.
AD_ID	Address ID	The Address Code or ID given to a unique address for a vendor or customer.	R	VARCHAR2	20	For Payment and Procurement address records (i.e. DOC_AD_LN_NO = 1 and 2), set to "AD001".
STR_1_NM	Street 1	The first line of the street address associated with the Address ID of the Vendor Customer Code.	R	VARCHAR2	75	The same address will be used for the Procurement and Payment records.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
STR_2_NM	Street 2	The second line of the street address associated with the Address ID of the Vendor Customer Code.	O	VARCHAR2	75	The same mailing address will be used for the Procurement and Payment records.
CITY_NM	City	The city name associated with the address associated with the Address ID of the Vendor Customer Code.	R	VARCHAR2	60	The same mailing address will be used for the Procurement and Payment records.
ST	State/Province	The state or province associated with the Address ID of the Vendor Customer Code.	R	VARCHAR2	2	The same mailing address will be used for the Procurement and Payment records. Must be valid on the State/Providence (ST) table. Example: "KY" for Kentucky.
ZIP	Zip/Postal Code	The zip code associated with the address associated with the Address ID of the Vendor Customer Code.	R	VARCHAR2	10	The same mailing address will be used for the Procurement and Payment records. For US based addresses, the format is either 99999 or 99999-9999
CTRY	Country	The unique identification code associated with the country.	O	VARCHAR2	3	If left blank, the system will default it to "US". A valid country code on the Country table must be provided if the Country is not "US".
CTRY_PH_CD	Country Phone Code	The international dialing code for this country.	O	VARCHAR2	5	The same phone number will be used for the Procurement and Payment records.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
VOICE_PH_NO	Phone	The telephone number associated with the contact.	O	VARCHAR2	30	The same phone number will be used for the Procurement and Payment records. Use the format: 999-999-9999
VOICE_PH_EXT	Phone Extension	The telephone number extension associated with the contact.	O	VARCHAR2	6	The same phone number will be used for the Procurement and Payment records.
CNTAC_NO	Principal Contact ID	The Contact ID for the principal contact name of the person responsible for questions concerning an associated entity.	R	VARCHAR2	20	For Payment and Procurement address records (i.e. DOC_AD_LN_NO = 1 and 2), set to "PC001".
PRIN_CNTAC	Principal Contact	The vendor's procurement contact.	R	VARCHAR2	60	Valid values are: - For UPPS, set to "Dept of Personnel" - For Medicaid, set to "Dept of Medicaid"

3.2.5 VCC XML Document Component: VCC_DOC_1099

The following table lists the possible scenarios for processing VCC documents with Taxpayer information through interface along with their results upon processing those documents in Advantage 3.

	1099 Business Scenarios with the VCC Document	Processing Results
1	Process a VCC document for a new vendor code with a TIN/TIN Type that does not exist on the 1099 Reporting	Upon processing the VCC document, a new record with the supplied TIN/TIN Type along with associated 1099 name/address

	Information table (1099I) in Advantage.	information will be inserted to the 1099I table.
2	Process a VCC document for another new vendor code with a TIN/TIN Type that already exists on the 1099 Reporting Information table in Advantage.	The VCC document will be processed after dropping the VCC_DOC_1099 component (which contains the taxpayer information) and without issuing warning messages. Thus, the 1099 name and address information of the supplied TIN/TIN Type will not be replaced on the 1099I table.

The following XML tags are a requirement for a VCC XML file being submitted into the eMARS system. See Appendix J for an example of a fully qualified VCC XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	Number	2	Same as in AMS_DOCUMENT
DOC_VCUST_LN_NO	Vendor/ Customer Line Number	The vendor/ customer line number uniquely identifies each vendor/ customer line within a document.	R	NUMBER	5	Set to "1".
DOC_1099_LN_NO	Vendor/Customer 1099 Line Number	The vendor/ customer 1099 line number that uniquely identifies each 1099 line within a document.	R	NUMBER	5	Set to "1".

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
VEND_CUST_CD	Vendor/Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VARCHAR2	20	Same as in VCC_DOC_VCUST
TIN	Taxpayer ID Number	The taxpayer identification number.	R	VARCHAR2	9	Same as in VCC_DOC_VCUST
TIN_TYP	Taxpayer ID Number Type	The type associated with the taxpayer identification number	R	VARCHAR2	1	Same as in VCC_DOC_VCUST
TIN_NM_1	Name	The name to be used for 1099 reporting purposes.	R	VARCHAR2	40	The name to be used for 1099 reporting purposes. For individuals, provide the last name first followed by ",," then the first name. For companies, provide the company name.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
TIN_NM_2	Names	Additional line for the name in case the name (TIN_NM_1) associated with the taxpayer identification number exceeds 40 characters.	O	VARCHAR2	40	If provided, it will be printed as the 2 nd name line on the 1099 form.
TIN_AD	Address	The address associated with the taxpayer identification number used for 1099 reporting purposes.	R	VARCHAR2	40	
TIN_CITY_NM	City	The city associated with the address of the taxpayer identification number used for 1099 reporting purposes.	R	VARCHAR2	30	
TIN_ST	State	The state associated with the address of the taxpayer identification number used for 1099 reporting purposes.	R	VARCHAR2	2	Must be valid on the State/Providence (ST) table.
TIN_ZIP	Zip Code	Zip code for the address to be reported to the IRS during 1099 reporting.	R	VARCHAR2	10	For US based addresses, the format is either 99999 or 99999-9999

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
RPT_1099_FL	1099 Reportable	The associated code has been defined as 1099 reportable. All related transactions qualify to be reported to the IRS during the 1099 reporting process.	R	NUMBER	3	For UPPS set this value to "false" (i.e. TIN is not 1099 reportable). For Medicaid set this value to "true" (i.e. TIN is 1099 reportable).

3.2.6 Document Component: VCC_DOC_BUS

The following XML tags are a requirement for a VCC XML file being submitted into the eMARS system. See Appendix J for an example of a fully qualified VCC XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VCUSTOMER_LN_NO	Vendor/ Customer Line Number	The vendor/ customer line number that uniquely identifies each vendor/ customer line within a document.	R	NUMBER	5	Set to "1".
DOC_BUSINESS_LN_NO	Business Type Line Number	The business type line number that uniquely identifies each business type line within a document.	R	NUMBER	5	Set to "1".

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
VEND_CUST_CD	Vendor/Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VARCHAR2	20	Same as in VCC_DOC_VCUST
BUS_TYP	Business Type ID	The Business Type associated with a vendor/customer. Examples of business types are: dealer, manufacturer, retailer, minority owned, and woman owned.	R	VARCHAR2	4	For UPPS interface, must be set to "UPPS". For Medicaid interface, must be set to "MD".

3.2.7 Document Component: VCC_DOC_CERT

The following XML tags are a requirement for a VCC XML file being submitted into the eMARS system. See Appendix J for an example of a fully qualified VCC XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
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XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_VCUSTOMER_LN_NO	Vendor/ Customer Line Number	The vendor/ customer line number that uniquely identifies each vendor/ customer line within a document.	R	NUMBER	5	Set to "1".

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CERT_LN_NO	Certification Line Number	The certification line number that uniquely identifies each certification line within the document.	R	Number	2	Value: "1"
VEND_CUST_CD	Vendor/Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VARCHAR2	20	Same as in VCC_DOC_VCUST
VEND_ACT_STA	Vendor Active Status	The active status of the record. Valid values are: <i>Active, Inactive, Suspended, Discontinued, Debarred, and Delete</i> . Default is <i>Inactive</i> .	R	NUMBER	3	Set to "2" for "Active".

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
VEND_APRV_STA	Vendor Approval Status	The approval status of the record. Valid values are: <i>Incomplete, Reviewed, and Complete</i> . Default is <i>Incomplete</i> . <i>Complete</i> indicates all information has been reviewed and approved for use.	R	NUMBER	3	Set to "3" for "Complete".

3.3 Vendor Customer Modification (VCM) Document Usage

3.3.1 Current MARS Process

The Uniform Personnel and Payroll System (UPPS) and Medicaid system maintain payee information. One file containing current employees and their addresses is sent from UPPS to MARS and another file is sent from Medicaid to MARS to update the vendor information from within MARS. MARS also has a list of current state employees in the Procurement Desktop (PD) and ADVANTAGE vendor tables that must be maintained.

UPPS currently creates a file with the vendor type already set with either an "E" for employees, "N" for non-P1 employees, or "P" for personal service contracts. UPPS does not provide vendor information directly to MARS. Instead, an Advantage comparison program parses both the incoming files from UPPS and Medicaid to update MARS. Six (6) files are created by the Advantage parsing program three (3) for either add, modifications, or inactivity updates to be recorded into PD and three (3) for either add, modifications, or inactivity updates to be recorded into for Advantage.

3.3.2 New eMARS Process

The PD portion of the system will be non-existent with the upgrade to eMARS. UPPS and Medicaid information for new vendors only will be submitted directly to the eMARS system by way of a Vendor Customer Creation (VCC) document. Modification and inactivity of existing vendor codes will be submitted to eMARS by submitting the Vendor Customer Modification (VCM) document.

Examples of when a VCM document should be used include the following:

- Modifying Organization Class (e.g. Individual, Corporation, Partnership), Disbursement Options or EFT Information
- Modifying Address/Contact Information
- Modifying a Vendor's Legal Name (i.e. First/Last Names for individuals or Company Name for companies)
- Modifying 1099 Reporting Information (e.g. TIN, TIN Type, TIN Name and TIN Address)
- Activating/inactivating status a vendor

3.4 Vendor Customer Modification (VCM) Transaction Layout

The XML based VCM transaction consists of **9** required components. Figure 3-3 is a graphical representation of all components, the action explaining whether its inclusion is required or not, and its description. Figure 3-4 further illustrates the VCM document showing that it will have one AMS_DOCUMENT record, one VCM_DOC_HDR, with one VCM_DOC_HQ, one VCM_DOC_VCUST, one VCM_DOC_1099, one VCM_DOC_MSTR, one VCM_DOC_CNTAC, one VCM_DOC_BUS, and one VCM_DOC_CERT record associated with each VCM_DOC_HDR record. The remaining sections explain each component that constitutes a complete XML based VCM document.

Important Notes:

The following items must be taken into considerations to interface VCM documents:

- The VCM documents must include entire information for the vendor component being changed (i.e. original information as well as changes to existing information for vendors). Fields that are left blank will be updated to blank.
- The VCM_DOC_HQ does not include any fields that can be modified in eMARS. However, it must be provided when changing the Legal Name on the VCM_DOC_HDR component.
- The VCM document cannot be used to modify the Organization Type (i.e. individual or incorporated) on the VCM_DOC_HDR. Changes to the Organization Type for existing vendor codes will be handled by the Office of the Controller.
- The VCM_DOC_VCUST component must not be provided when changing the Legal Name on the VCM_DOC_HDR component. Therefore, changing the Legal Name as well as the Organization Class, TIN/TIN Type, Disbursement Options and/or EFT Information for a vendor cannot be performed on the same VCM document - two separate VCM documents should be submitted (processing order is not important).
- Changing the Legal Name as well as the 1099 Name/Address Information, Business Type and/or activating/inactivating status for a vendor can be performed on the same VCM document.

The structure of an XML file with 2 VCM documents where one document includes changes to the Legal Name and the other one includes changes to the Address information will be as follows:

Document record #1
 Header record
 Headquarters record 1
 1099 record 1
 Master Address record 1
 Contact Address record 1
 Business Type record 1
 Certification record 1

Document record #2
 Header record
 Vendor/Customer record 1
 1099 record 1
 Master Address record 1
 Contact Information record 1
 Business Type record 1
 Certification record 1

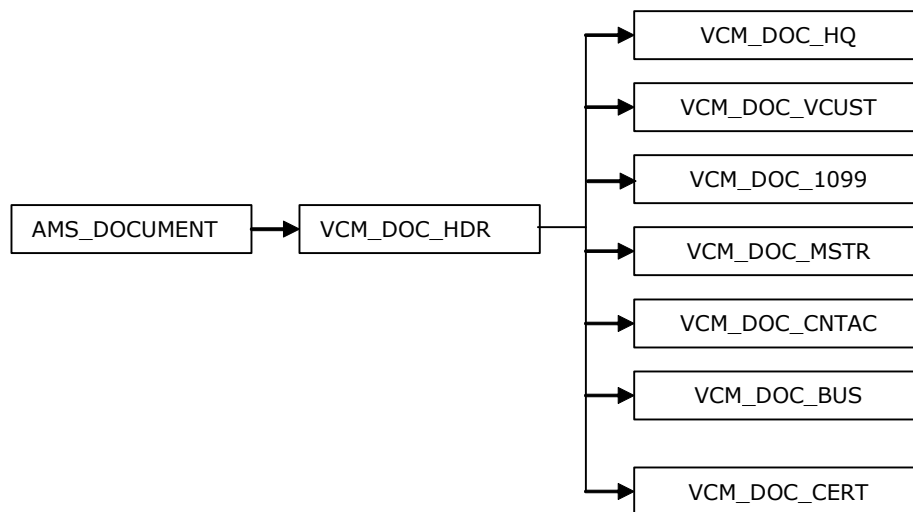
Figure 3-3: VCM Transaction Required XML components



AMS_DOC_XML_IMPORT_FILE	Required	Unique Tag used to identify the beginning and ending of an inbound XML interface file.
AMS_DOCUMENT	Required	Unique Tag used to identify the beginning and ending of a document within an inbound XML interface file.
VCM_DOC_HDR	Required	Unique Tag used to identify the beginning and ending of a header component within a document.
VCM_DOC_HQ	Conditionally Required	Unique Tag used to identify the beginning and ending of headquarters information. Must only be provided if changing the Legal Name on the VCM_DOC_HDR component.
VCM_DOC_VCUST	Conditionally Required	Unique Tag used to identify the beginning and ending of Vendor/Customer information. Must not be provided when changing the Legal Name on the VCM_DOC_HDR component.

VCM_DOC_1099	Required	Unique Tag used to identify the beginning and ending of 1099 reporting information for a vendor.
VCM_DOC_MSTR	Required	Unique Tag used to identify the beginning and ending of existing payment/procurement address information for a vendor.
VCM_DOC_CNTAC	Required	Unique Tag used to identify the beginning and ending of existing payment/procurement contact information for a vendor.
VCM_DOC_BUS	Required	Unique Tag used to identify the beginning and ending of a business type contains information about the vendor such as women owned or minority owned.
VCM_DOC_CERT	Required	Unique Tag used to identify the beginning and ending of certification status of a vendor.

Figure 3-4: VCM Transaction Required XML components



3.4.1 VCM Document Component: AMS_DOC_XML_IMPORT_FILE

The purpose of this section is to detail the XML attributes that are needed to submit a fully qualified XML document to eMARS for processing.

XML Tag	Description	R/C
AMS_DOC_XML_IMPORT_FILE	Required XML beginning and ending tag for a VCM document	R

3.4.2 VCM Document Component: AMS_DOCUMENT

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix K for an example of a fully qualified VCM XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	"VCUST"
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VARCHAR2	8	"VCM"
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction. The value "VCM" indicates a vendor/customer modification 1.	R	VARCHAR2	8	"VCM"
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Must be valid on Department (DEPT) table.
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Valid Unit Code on the Unit table.
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Assigned by the agency. See section 1.3.3.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Set to "1".
AUTO_DOC_NUM	Automatic Document Numbering	Indicates that system will assign a unique Document ID: "true" for system assigned Document ID number or "false" for no system assigned Document ID Number.	R	VARCHAR2	5	Set to "false".
DOC_IMPORT_MODE	Document Import Mode	The import mode determining the phase of the document on import.	R	VARCHAR2	3	Set to "OE" for Original Entry. (The VCM document is not a modification of the VCC document).

3.4.3 VCM Document Component: VCM_DOC_HDR

This component of the VCM should be used for the following:

- Changing the Legal Name for an individual or a company

The **Organization Type** cannot be changed on the VCM_DOC_HDR component.

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix K for an example of a fully qualified VCM XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
VEND_CUST_CD	Vendor/Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VARCHAR2	20	Must be valid on Vendor Customer (VCUST) table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
ORG_TYP	Organization Type	The type of the organization. Valid values are Individual or Company.	R	NUMBER	3	The Organization Type cannot be changed for an existing vendor code. The original value must be provided. Set to "1" for Individual Set to "2" for Company UPPS Interface must always set this value to "1".
COMP_NM	Company Name	The name of the company associated with the Vendor/Customer record.	CR	VARCHAR2	60	If the Org Type is set to "2", must provide either the original company name or a new name to modify the Legal Name for a vendor. Leave blank of the Org Type is set to "1".
FRST_NM	First Name	The first name of the vendor/customer.	CR	VARCHAR2	14	If the Org Type is set to "1", must provide either the original first name for an individual or a new first name to modify the Legal Name for an individual. Leave blank of the Org Type is set to "2".

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
LAST_NM	Last Name	The last name of the vendor/customer.	CR	VARCHAR2	30	If the Org Type is set to "1", must provide either the original last name for an individual or a new last name to modify the Legal Name for an individual. Leave blank of the Org Type is set to "2".
MID_NM	Middle Name	The middle name of the vendor/customer.	O	VARCHAR2	14	If the Org Type is set to "1", can provide either the original middle name or a new middle name for an individual. Leave blank of the Org Type is set to "2".

3.4.4 VCM Document Component: VCM_DOC_HQ

This component of the VCM should be used for the following:

- Indicating that the Legal Name has changed

This component is ONLY required when modifying the Legal Name on the VCM_DOC_HDR component.

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix **K** for an example of a fully qualified VCM XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_HQ_LN_NO	Headquarters Line Number	The headquarters line number that uniquely identifies the headquarters line within a document.	R	Number	2	Set to "1"

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
PNT_ACCT_CD	Headquarters	The identification code assigned to the parent account. Parent accounts are used as references from other records to tie smaller entities to larger entities for reporting purposes.	R	VARCHAR2	20	Same as VEND_CUST_CD in VCM_DOC_HDR
LN_ACTN	Line Action	The type of action performed to the vendor component such as New or Modify.	R	Number	1	Set to "1" for Modify

3.4.5 VCM Document Component: VCM_DOC_VCUST

This component of the VCM should be used for the following:

- Modifying TIN and/or TIN Type
- Modifying Organization Class
- Changing Disbursement Options
- Modifying EFT/Prenote Information

The VCM_DOC_VCUST component must NOT be provided when changing the Legal Name on the VCM_DOC_HDR component.

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix **K** for an example of a fully qualified VCM XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
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XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The document code assigned to this document.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	Number	2	Same as in AMS_DOCUMENT
DOC_VCUST_LN_NO	Vendor/Customer Line Number	The vendor/customer line number that uniquely identifies each vendor/customer line within a document.	R	Number	2	Set to "1"

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
LN_ACTN	Line Action	The type of action performed to the vendor component such as New or Modify.	R	Number	1	Set to "1" for Modify
VEND_CUST_CD	Vendor/Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VARCHAR2	20	Same as in VCM_DOC_HDR
ALIAS_NM	Alias/DBA	The alternate name, alias or operating name (doing business as) used to identify the account.	O	VARCHAR2	60	The field can be used as the second vendor name.
ORG_CLS	Classification	The classification type associated with the organization. If ORG_TYP = "1", ORG_CLS must be an individual Org Class. If ORG_TYP = "2", ORG_CLS must be a company Org Class.	R	Number	3	Valid values are: "1" for Individual "2" for Sole Proprietorship "3" for Partnership "4" for Corporation "5" for Nonresident Alien "10" for Other UPPS Interface must always set this value to "1" (i.e. Individual).

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
TIN	Taxpayer ID Number	The taxpayer identification number.	R	VARCHAR2	9	All 9 characters must be numbers.
TIN_TYP	Taxpayer ID Number Type	The type associated with the taxpayer identification number. For example: Employer Identification Number (EIN) and Social Security Number (SSN)	R	VARCHAR2	1	Valid values are: Set to "1" for EIN Set to "2" for SSN/ITIN/ATIN If ORG_TYP = "2", then TIN_TYP must be "1" If ORG_TYP = "1", then TIN_TYP must be "2" UPPS Interface must always set this value to "2".
CHK_NM	Name on Check	Indicates which name to print on checks. Valid values are: Legal Name, Alias/DBA or Both.	R	Number	3	Set to "3" in order to print both the Legal Name and Alias Name (if provided) on the check.
DISB_CAT	Category	The default disbursement category for disbursement requests generated for this vendor/customer.	R	VARCHAR2	4	Medicaid Interface must set this value to "UAM" (Unsealed Treasury Hold). UPPS Interface must set this value to "SAM" (Sealed Agency Mailed). These values are stored on the Disbursement Category table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DFLT_DISB_FRMT	Default Format	The default disbursement format to be used when generating payments to this record. Must be valid on the Disbursement Format page.	R	VARCHAR2	4	Set to "GENC" (i.e. C-fold checks).
SNGL_CHK_IND	Single Payment Indicator	Indicates whether payment requests for the same payee should be combined into a single disbursement.	R	VARCHAR2	5	Set to "true" (i.e. do not combine payments when issuing checks/EFT's).
ABA_NO	ABA Number	The American Banking Association number assigned to the bank	CR	VARCHAR2	9	Required if paying by EFT. If check vendor, then leave blank.
ACCT_TYP	Account Type	Indicates the type of account being used.	CR	Number	3	Required if paying by EFT. Valid values are: "1" for "Savings" "2" for "Checking" If check vendor, then Leave blank.
ACCT_NO	Account Number	The Account Number is the number of the bank account to be used for EFT payments	CR	VARCHAR2	17	Required if paying by EFT. If check vendor, then leave blank.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
EFT_FRMT	EFT Format	The electronic funds transfer (EFT) format that is applied to EFT transactions generated for this vendor/customer	CR	VARCHAR2	4	Set to "CCD" if paying by EFT. If check vendor, then leave blank.
EFT_STA	EFT Status	The current status of the electronic funds transfer (EFT) processing.	CR	Number	3	Required if paying by EFT. Set to "3" (i.e. Eligible for EFT). If check vendor, then leave blank.
ALW_EFT_FL	Generate EFT Payment	Indicates that the vendor/customer accepts electronic fund transfers (EFTs).	CR	VARCHAR2	5	Required if paying by EFT. Set to "true". If check vendor, then leave blank and the system will default it to "false".

3.4.6 VCM Document Component: VCM_DOC_1099

This component of the VCM should be used for the following:

- Modifying 1099 name/address information and the TIN/TIN Type

The following table lists the possible scenarios for processing VCM documents with updates to Taxpayer information through interface along with their results upon processing those documents in Advantage 3.

1099 Business Scenarios with the VCM Document	Processing Results
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	1099 Business Scenarios with the VCM Document	Processing Results
1	Process a VCM document for an existing vendor code with changes to some vendor related information and does include changes to the TIN/TIN Type or related 1099 name/address information.	Upon processing the VCM document, no changes will be applied to the supplied TIN/TIN Type on the 1099 Reporting Information (1099I) table in Advantage.
2	Process a VCM document for an existing vendor code with no changes to the TIN/TIN Type but with changes to related 1099 name/address information.	Upon processing the VCM document, the name/address information for the supplied TIN/TIN Type will be replaced on the 1099I table.
3	Process a VCM document for an existing vendor code with changes to the TIN and/or TIN Type and the supplied TIN/TIN Type already exists on the 1099I table.	<p>Upon processing the VCM document, the related 1099 name/address information will be changed for the supplied TIN/TIN Type on the 1099I table.</p> <p>Also, the supplied TIN/TIN Type will replace the existing TIN/TIN Type associated with the vendor code on the VCUST table.</p>
4	Process a VCM document for an existing vendor code with changes to the TIN and/or TIN Type and the supplied TIN/TIN Type does not exist on the 1099I table.	<p>Upon processing the VCM document, the document will fail with the error message "TIN and TIN Type do not exist". To fix this document, an authorized user will perform the following:</p> <ul style="list-style-type: none"> - Open the failed document from the Document Catalog in Advantage - Open the 1099 Reporting Information component - Change the action from "modify" to "new" - Click on "load values" link - Enter the new TIN/TIN Type in the "New Taxpayer ID Number" and "New Taxpayer ID Number Type" fields - Submit the VCM document

	1099 Business Scenarios with the VCM Document	Processing Results
		<p>Upon processing the modified VCM document, a new record with the supplied TIN/TIN Type along with the associated 1099 name/address information will be inserted to the 1099I table.</p> <p>Also, the supplied TIN/TIN Type will replace the existing TIN/TIN Type associated with the vendor code on the VCUST table.</p>

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix **K** for an example of a fully qualified VCM XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The document code assigned to this document.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	Number	2	Same as in AMS_DOCUMENT
DOC_1099_LN_NO	1099 Reporting Line Number	The 1099 reporting line number that uniquely identifies each 1099 reporting line within a document.	R	Number	5	Set to "1".
LN_ACTN	Line Action	The type of action performed to the vendor component such as New, Modify, or Delete.	R	Number	1	Set to "2" for Modify
VEND_CUST_CD	Vendor/Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VARCHAR2	20	Same as in VCM_DOC_HDR
OLD_TIN	Existing Taxpayer ID Number	The taxpayer identification number.	R	VARCHAR2	9	Same TIN on the VCM_DOC_VCUST component.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
OLD_TIN_TYP	Existing Taxpayer ID Number Type	The taxpayer identification type of the vendor/customer.	R	VARCHAR2	1	Same TIN Type on the VCM_DOC_VCUST component.
TIN_NM_1	Name	The name to be used for 1099 reporting purposes.	R	VARCHAR2	40	The name to be used for 1099 reporting purposes. For individuals, provide the last name first followed by “,” then the first name. For companies, provide the company name.
TIN_NM_2	Names	Continuation of vendor name.	O	VARCHAR2	40	If provided, it will be printed as the 2 nd name line on the 1099 form.
TIN_AD	Address	The address associated with the taxpayer identification number used for 1099 reporting purposes.	R	VARCHAR2	40	
TIN_CITY_NM	City	The city associated with the address of the taxpayer identification number used for 1099 reporting purposes.	R	VARCHAR2	30	

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
TIN_ST	State	The state associated with the address of the taxpayer identification number used for 1099 reporting purposes.	R	VARCHAR2	2	Must be valid on the State/Providence (ST) table.
TIN_ZIP	Zip Code	Zip code for the address to be reported to the IRS during 1099 reporting.	R	VARCHAR2	10	For US based addresses, the format is either 99999 or 99999-9999
RPT_1099_FL	1099 Reportable	The associated code has been defined as 1099 reportable. All related transactions qualify to be reported to the IRS during the 1099 reporting process.	R	VARCHAR2	5	For UPPS set this value to "false" (i.e. TIN is not 1099 reportable). For Medicaid set this value to "true" (i.e. TIN is 1099 reportable).

3.4.7 VCM Document Component: VCM_DOC_MSTR

This component of the VCM should be used for the following:

- Modifying Procurement address and Payment address information

Since Address information for the Procurement and Payment address codes will always be the same, changing the Master Address information for the Headquarters Account will be adequate.

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix K for an example of a fully qualified VCM XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	Number	2	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_MSTR_LN_NO	Document Master Address Line Number	The master address line number that uniquely identifies each address line within a VCM document.	R	Number	5	Value: "1"
LN_ACTN	Line Action	The type of action performed to the vendor component such as New, Modify, or Delete.	R	Number	1	Set to "2" for Modify
PNT_ACCT_CD	Headquarters	The identification code assigned to the parent account. Parent accounts are used as references from other records to tie smaller entities to larger entities for reporting purposes.	R	VARCHAR2	20	Same as VEND_CUST_CD in VCM_DOC_HDR
OLD_AD_ID	Modify Existing Master Address ID	The unique address for a vendor or customer	R	VARCHAR2	20	Set to "AD001". Both the Payment Address and Procurement address records will have the same Address ID.
STR_1_NM	Street 1	The first line of the street address.	R	VARCHAR2	75	The same mailing address will be used for the Procurement and Payment records.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
STR_2_NM	Street 2	The second line of the street address.	O	VARCHAR2	75	The same mailing address will be used for the Procurement and Payment records.
CITY_NM	City	The city name associated with the address.	R	VARCHAR2	60	The same mailing address will be used for the Procurement and Payment records.
ST	State/Province	The state or province.	R	VARCHAR2	2	The same mailing address will be used for the Procurement and Payment records. Must be valid on the State/Province (ST) table. Example: "KY" for Kentucky.
ZIP	Zip/Postal Code	The zip code associated with the address.	R	VARCHAR2	10	The same mailing address will be used for the Procurement and Payment records. For US based addresses, the format is either 99999 or 99999-9999
CTRY	Country	The unique identification code associated with the country.	O	VARCHAR2	3	If left blank, the system will default it to "US". A valid country code on the Country table must be provided if the Country is not "US".

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
CTRY_PH_CD	Country Phone Code	The international dialing code for this country.	O	VARCHAR2	5	The same phone number will be used for the Procurement and Payment records.
VOICE_PH_NO	Phone	The telephone number associated with the contact.	O	VARCHAR2	30	The same phone number will be used for the Procurement and Payment records. Use the format: 999-999-9999
VOICE_PH_EXT	Phone Extension	The telephone number extension associated with the contact.	O	VARCHAR2	6	The same phone number will be used for the Procurement and Payment records.

3.4.8 VCM Document Component: VCM_DOC_CNTAC

This component of the VCM should be used for the following:

- Modifying Vendor Contact information

Since the Contact information for the Procurement and Payment contact codes will always be the same, changing the Contact information for the Headquarters Account will be adequate.

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix K for an example of a fully qualified VCM XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	Number	2	Same as in AMS_DOCUMENT
DOC_CNTAC_LN_NO	Document Contact Line Number	The contact line number that uniquely identifies each contact line within a VCM document.	R	Number	5	Value: "1"

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
LN_ACTN	Line Action	The type of action performed to the vendor component such as New, Modify, or Delete.	R	Number	1	Set to "2" for Modify
PNT_ACCT_CD	Headquarters	The identification code assigned to the parent account. Parent accounts are used as references from other records to tie smaller entities to larger entities for reporting purposes.	R	VARCHAR2	20	Same as VEND_CUST_CD in VCM_DOC_HDR
OLD_CNTAC_NO	Contact ID	The identification code assigned to the contact to be modified.	R	VARCHAR2	20	For Payment and Procurement address records, set to "PC001".
CNTAC_NM	Contact Name	Principal contact name of the person responsible for questions concerning an associated entity.	R	VARCHAR2	60	Valid values are: - For UPPS, set to "Dept of Personnel" - For Medicaid, set to "Dept of Medicaid"
AD_ID	Address ID	The Address Code or ID given to a unique address for a vendor or customer	R	VARCHAR2	20	For Payment and Procurement address records, set to "AD001".

3.4.9 VCM Document Component: VCM_DOC_BUS

This component of the VCM should be used for the following:

- Modifying the Business Type of a vendor

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix K for an example of a fully qualified VCM XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_CD	Document Code	The alpha-numeric code that indicates the type of transaction.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	NUMBER	2	Same as in AMS_DOCUMENT
DOC_BUS_LN_NO	Business Type Line Number	The business type line number that uniquely identifies each business type line within a document.	R	NUMBER	5	Set to "1".
LN_ACTN	Line Action	The type of action performed to the vendor component such as New, Modify, or Delete.	R	Number	1	Set to "2" for Modify
VEND_CUST_CD	Vendor/Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VARCHAR2	20	Same as in VCM_DOC_VCUST

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
OLD_BUS_TYP	Business Type ID	The Business Type associated with a vendor/customer. Examples of business types are: dealer, manufacturer, retailer, minority owned, and woman owned.	R	VARCHAR2	4	For UPPS interface, must be set to "UPPS". For Medicaid interface, must be set to "MD".

3.4.10 VCM Document Component: VCM_DOC_CERT

This component of the VCM should be used for the following:

- Modifying the Active/Inactive Status of a vendor

The following XML tags are a requirement for any XML file being submitted into the eMARS system. See Appendix K for an example of a fully qualified VCM XML example:

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CAT	Document Category	The category in which the document is located.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_TYP	Document Type	The type of document, defined in the Document Type table.	R	VARCHAR2	8	Same as in AMS_DOCUMENT

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
DOC_CD	Document Code	The document code assigned to this document.	R	VARCHAR2	8	Same as in AMS_DOCUMENT
DOC_DEPT_CD	Document Department	The department code assigned to this document.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_UNIT_CD	Document Unit	The unit code associated with this document for security and workflow purposes.	R	VARCHAR2	4	Same as in AMS_DOCUMENT
DOC_ID	Document ID	The unique document number assigned for this transaction.	R	VARCHAR2	20	Same as in AMS_DOCUMENT
DOC_VERS_NO	Document Version Number	The version number assigned to this document.	R	Number	2	Same as in AMS_DOCUMENT
DOC_CERT_LN_NO	Certification Line Number	The certification line number that uniquely identifies each certification line within the document.	R	Number	2	Value: "1"
LN_ACTN	Line Action	The type of action performed to the vendor component such as New, Modify, or Delete.	R	Number	1	Set to "2" for Modify

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
VEND_CUST_CD	Vendor/Customer	The unique identifier assigned to the vendor/customer. In Advantage 3, a vendor can also be a customer, allowing the user to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	R	VARCHAR2	20	Same as in VCM_DOC_HDR
VEND_ACT_STA	Vendor Active Status	The active status of the record. Valid values are: <i>Active, Inactive, Suspended, Discontinued, Debarred, and Delete</i> . Default is <i>Inactive</i> .	R	Number	2	Set to "1" for Inactive Set to "2" for Active
VEND_APRV_STA	Vendor Approval Status	The approval status of the record. Valid values are: <i>Incomplete, Reviewed, and Complete</i> . Default is <i>Incomplete</i> . <i>Complete</i> indicates all information has been reviewed and approved for use.	R	Number	2	Set to "3" for Complete

4 Inbound Table Based Specification

4.1 1099I Table Usage

4.1.1 Current MARS Process

During the first week of January, applicable agencies (*see Appendix B*) send fixed-length flat files with Taxpayer's information to the Office of Controller. Then, the Office of the Controller manually processes jobs during the day to upload the records on those files into the Check Writer Taxpayer Number (CWTN) table. The CWTN contains taxpayer's name and address information along with their classifications (i.e. Incorporated, Individual or Partnership) that are used for 1099 reporting purposes in MARS.

4.1.2 New eMARS Process

Advantage Financial 3 includes the baseline table 1099 Reporting Information (1099I) that is used to store valid taxpayer identification number and type combinations along with their names and address information. This table can also be used to designate if records are 1099 Reportable or not. The following steps describe the new approach:

During the first week of January, agencies will perform the following steps when their 1099 interface files are ready for loading into Advantage 3:

- Agencies that will produce the 1099 interface file in XML format on a server other than an NT or Windows server will transfer their interface files to a designated folder on an NT/Windows server or workstation within their operational environment.
- Agency authorized users will logon to the Advantage 3 application, open a designated page that is used to upload interface files and perform the following:
 - Enter the Department Code, Unit Code and File Name,
 - Click the "browse" button to navigate through the files on the user's computer or authorized network servers in order to select the appropriate interface file.
 - Click the "upload" button to load a selected interface file.

If the specified File Name (see Rover ID in **Appendix B**) was authorized for the entered Department and Unit Codes, and the user's security profile was authorized for the entered Department and Unit Codes, then the selected interface file will be loaded to a designated directory on the Advantage 3 Application Server and ready for further processing. The file name of the uploaded interface files to the Application Server will be composed of File Name and the Server Date/Time Stamp with the extension "xml" (for example, C39R024A_08-01-2005_11:05:20AM.xml).

- After uploading the 1099 interface file, agencies will send an e-mail to the Office of Controller notifying them that the file has been uploaded.
- The Office of Controller will submit the SysManUtil job in the Utilities folder within the Job Manager with the "Table Import" parameter to import the XML file from the ExportImport directory into the 1099 Reporting Information table.

4.2 1099 Reporting Information (1099I) Table Layout

The XML based 1099I table consists of 2 required components. The following sections explain each component that constitutes a complete XML based 1099I table. See Appendix L for an example of a fully qualified 1099 Information XML file.

XML Tag	Description	R/C
AMS_DATAOBJECT_XML_IMPORT_FILE	Unique Tag used to identify the beginning and ending of a table.	R
R_TIN_1099_INFO	Unique Tag used to identify beginning and ending of the 1099 Reporting Information table.	R

4.2.1 1099 Reporting Information Table: R_TIN_1099_INFO

The following table describes the XML tags for the 1099 Reporting Information table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
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XML Tag	Caption	Description	R/C	Type	Max Size	Comments
TIN	Taxpayer ID	The taxpayer identification number.	R	VARCHAR2	9	All 9 characters must be numeric.
TIN_TYP	TIN Type	The type associated with the taxpayer identification number.	R	VARCHAR2	1	Valid values are: - "1" for EIN, - "2" for SSN/ITIN/ATIN
TIN_NM_1	Name	The name to be used for 1099 reporting purposes.	R	VARCHAR2	40	The name to be used for 1099 reporting purposes. For individuals, provide the last name first followed by "," then the first name. For companies, provide the company name.
TIN_NM_2	Names	Additional line for the name in case the name (TIN_NM_1) associated with the taxpayer identification number exceeds 40 characters.	O	VARCHAR2	40	If provided, it will be printed as the 2 nd name line on the 1099 form.
TIN_AD	Address	The address associated with the taxpayer identification number used for 1099 reporting purposes.	R	VARCHAR2	40	
TIN_CITY_NM	City	The city associated with the address of the taxpayer identification number used for	R	VARCHAR2	30	

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
		1099 reporting purposes.				
TIN_ST	State	The state code associated with the address of the taxpayer identification number used for 1099 reporting purposes.	R	VARCHAR2	2	Must be valid on the State/Province (ST) table.
TIN_ZIP	Zip Code	Zip code for the address to be reported to the IRS during 1099 reporting.	R	VARCHAR2	10	For US based addresses, the format is either 99999 or 99999-9999.
CTRY_CD	Country	The Country Code associated with the address of the taxpayer identification number used for 1099 reporting purposes.	CR	VARCHAR2	10	Must be provided if the Country is not "USA". If entered, must be a valid code on the Country table.
RPT_1099_FL	1099 Reportable	This flag is used to indicate if all related transactions qualify to be reported to the IRS during the 1099 reporting process.	R	VARCHAR2	5	Valid values are: - "true", if TIN is 1099 reportable. - "false" if TIN is not 1099 reportable.

4.3 INTR Table Usage

4.3.1 Current MARS Process

On a daily or as needed basis applicable agencies (*see Appendix B*) send Vendor Offset (VO) documents to record debtors with outstanding debts in Advantage 2. During the MARS nightly cycle, any interfaced VO documents are loaded and processed. VO documents that process successfully update the Debtor Vendor (DVND) table. This table is validated during the Automated Disbursement and Check Writer (type "2") cycles and scheduled payments for vendors with outstanding debts are intercepted.

4.3.2 New eMARS Process

Advantage Financial 3 includes the baseline External Debt Load batch process that is used to load debts from external agencies. This process updates the Intercept Request (INTR) table so that the debt may be intercepted on behalf of external agencies upon running the Automated Disbursement or Check Writer processes. The following steps describe the new approach.

Agencies will perform the following steps when their interface files are ready for loading into Advantage 3:

- Agencies that will produce the interface file in XML format on a server other than an NT or Windows server will transfer their interface files to a designated folder on an NT/Windows server or workstation within their operational environment.
- Agency authorized users will logon to the Advantage 3 application, open a designated page that is used to upload interface files and perform the following:
 - Enter the Department Code, Unit Code and File Name,
 - Click the "browse" button to navigate through the files on the user's computer or authorized network servers in order to select the appropriate interface file.
 - Click the "upload" button to load a selected interface file.

If the specified File Name (see Rover ID in *Appendix B*) was authorized for entered the Department and Unit Codes and the user's security profile was authorized for the entered Department and Unit Codes, then the selected interface file will be loaded to a designated directory on the Advantage 3 Application Server and ready for processing during the next nightly cycle (marked as "unprocessed"). The file name of the uploaded interface files to the Application Server will be composed of File Name and the Server Date/Time Stamp with the extension "xml" (for example, C39R024A_08-01-2005_11:05:20AM.xml).

Uploaded interface XML files to the Advantage 3 Application Server that are ready for processing will be picked up by the External Debt Load process. This process will perform the following steps:

- Reads the incoming XML file for the Debt Type/Entity of the records in the file and searches the Intercept Request (INTR) table for records of the same Debt Type/Entity.
- Deletes the INTR records that have a corresponding Debt Type/Entity, where the Doc Code is "N/A" and the Intercepted Amount is zero. INTR records with an Intercepted Amount means that at least one associated Intercept Transfer (IT or CWI) document has not been successfully processed. Those records will not be deleted.
- Runs SysManUtil, which will load all records to INTR from the XML debt file.
- Creates the Load Debt Exception Report that will indicate records that could not be loaded due to table edits or have not been deleted from the INTR table because the Intercept Amount was not equal to zero.

4.4 Intercept Request (INTR) Table Layout

The XML based INTR table consists of 2 required components. The following sections explain each component that constitutes a complete XML based INTR table. See Appendix **M** for an example of a fully qualified Intercept XML file.

XML Tag	Description	R/C
AMS_DATAOBJECT_XML_IMPORT_FILE	Unique Tag used to identify the beginning and ending of a table.	R
R_AP_INCT_RQST	Unique Tag used to identify beginning and ending of the Intercept Request table.	R

4.4.1 Intercept Request Table: R_AP_INCT_RQST

The following table describes the XML tags for the Intercept Request table that is updated upon loading an external intercept file by executing the External Debt Load batch process.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
TIN	TIN	The Taxpayer Identification Number of the debtor who owes outstanding debt.	R	VARCHAR2	9	All 9 characters must be numeric.
TIN_TYP	TIN Type	The type associated with the taxpayer ID number.	R	VARCHAR2	1	Valid values are: 1 for EIN 2 for SSN/ITIN/ATIN
FRST_NM	First Name	The first name of the debtor who owes outstanding debt.	O	VARCHAR2	40	For individuals, provide the first name.
LAST_NM	Last Name	The last name of the debtor who owes outstanding debt.	R	VARCHAR2	30	For individuals, provide the last name. For companies, provide the company name.
OUT_AM	Outstanding	The Outstanding Debt Amount.	R	Decimal	14,2	The format is: 999999999999.99 This amount cannot be negative, but it can be zero (i.e. 0.00).
DUE_DT	Due Date	The Due Date of outstanding debt.	R	Date	10	Acceptable format is: "YYYY-MM-DD". Example: "2004-10-30".

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
AR_RF_DOC_CD	Doc Code	The value refers to "N/A" for an external debt record.	R	VARCHAR2	8	Must always be set to "N/A"
AR_REF_DOC_DEPT_CD	Doc Dept	The Department Code of claiming agency.	R	VARCHAR2	4	Must be a valid code on the Department Fiscal Year Controls table.
AR_UNIT_CD	Doc Unit	The Unit Code of claiming agency.	R	VARCHAR2	4	Must be a valid code on the Unit table.
AR_RF_DOC_ID	Doc ID	The value refers to a unique identifier for an external debt record.	R	VARCHAR2	20	Agency can use this field to provide claim reference information.
DEBT_TYP_CD	Debt Type	The unique identification code of the type of debt for which the debt is owed. Must be valid on the Debt Type table.	R	VARCHAR2	4	The combination of the Debt Type and Entity must be valid on the Entity table.
ENTY_CD	Entity	The unique identification of the entity for which the debt is owed. Must be valid on the Entity table.	R	VARCHAR2	4	The combination of the Debt Type and Entity must be valid on the Entity table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
CLM_STA	Status	This field specifies the status of the individual Intercept Request.	R	Number	10	Valid values are: 1 - "active" 2 - "inactive" Must be set to "1" (i.e. active).
NOTICE_PRN_STA	Print Letter Status	This field indicates whether or not a notice of intent to intercept letter will be printed and mailed to the debtor.	R	Number	10	Valid values are: null - Do not print a letter. 1 - Ready for Print (i.e. print a letter)
NOTICE_SCHD_PRN_DT	Scheduled Print Date	The date when the Notice of Intent to Intercept Letter will be printed.	CR	Date	10	Will be required if the Print Letter Status is set to "1", i.e. "Ready to Print". Otherwise, leave blank. If required, must be entered using the format: YYYY-MM-DD Example: "2004-10-30".
VEND_LGL_NM	Legal Name	The legally defined name of the taxpayer ID who owes outstanding debt.	R	VARCHAR2	60	This name will be printed on the notice of intent to intercept letter if the Print Letter Status is set to "1" (i.e. "Ready for Print").

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
VEND_ALIAS_NM	Alias/DBA	The alternate name of the taxpayer ID who owes outstanding debt.	O	VARCHAR2	60	Can be provided if the Print Letter Status is set to "1", i.e. "Ready to Print". This name will be printed as the 2 nd name line on the notice of intent to intercept letter.
VEND_STR_1_NM	Street 1	The first address line associated with the debtor's mailing address.	CR	VARCHAR2	75	Will be required if the Print Letter Status is set to "1", i.e. "Ready to Print".
VEND_STR_2_NM	Street 2	The second address line associated with the debtor's mailing address.	O	VARCHAR2	75	Can be provided if the Print Letter Status is set to "1", i.e. "Ready to Print".
VEND_CITY_NM	City	The city name associated with the debtor's mailing address.	CR	VARCHAR2	60	Will be required if the Print Letter Status is set to "1"
VEND_ST	State/Province	The state code associated with the debtor's mailing address.	CR	VARCHAR2	2	Will be required if the Print Letter Status is set to "1". If entered, must be a valid code on the State/Province table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
VEND_ZIP	Zip/Postal Code	The zip code/postal code associated with the debtor's mailing address.	CR	VARCHAR2	10	Will be required if the Print Letter Status is set to "1" For US based addresses, the format is either 99999 or 99999-9999
VEND_CTRY_CD	Country	The country code associated with the debtor's mailing address.	CR	VARCHAR2	3	Must be provided if the Country is not "USA" and the Print Letter Status is set to "1". If entered, must be a valid code on the Country table.

4.5 VABA Table Usage

4.5.1 Current MARS Process

MARS Production Control downloads the ABA Numbers from the internet by accessing the website: <https://www.fededirectory.frb.org/download.cfm> and selecting the option: Receive All FedACH Participant RDFIs.

Then, Production Control saves the data on a PC and upload it to the fixed-length flat file FINA.AFN1.SEQ.BANK.ABA on the mainframe followed by running that KBANK job. This job inserts new ABA Numbers to the Advantage 2 ACHF table.

4.5.2 New eMARS Process

Advantage Financial 3 includes the baseline table Vendor ABA Number that is used to store valid ABA Numbers. In eMARS, the same website will be used to download the ABA Numbers into a text file on a PC. Then, the following tasks will be performed:

- Execute a designated PDI map to convert the text file into an XML file based on the Vendor ABA Maintenance table layout described below and store the XML file on a designated folder on a PC.
- Logon to the Advantage 3 application then open a designated page that is used to upload the interface files, and perform the following tasks:
 - Enter the Department Code, Unit Code and File Name,
 - Click the "browse" button to navigate through the files on the user's computer or authorized network servers in order to select the appropriate interface file.
 - Click the "upload" button to load a selected interface file.

If the specified File Name (see Rover ID in **Appendix B**) was authorized for the entered Department and Unit Codes, and the user's security profile was authorized for the entered Department and Unit Codes, then the selected interface file will be loaded to a designated directory on the Advantage 3 Application Server and will be ready for further processing. The file name of the uploaded interface files to the Application Server will be composed of File Name and the Server Date/Time Stamp with the extension "xml" (for example, C39R024A_08-01-2005_11:05:20AM.xml).

- Go to the SysManUtil job in the Utilities folder within the Job Manager.
- Submit the SysManUtil job with the "Table Import" parameter to import the XML file from the ExportImport directory into the Vendor ABA Maintenance table.

4.6 Vendor ABA Maintenance (VABA) Table Layout

The XML based VABA table consists of 2 required components. The following sections explain each component that constitutes a complete XML based VABA table. See Appendix N for an example of a fully qualified Vendor ABA Maintenance XML example:

XML Tag	Description	R/C
AMS_DATAOBJECT_XML_IMPORT_FILE	Unique Tag used to identify the beginning and ending of a table.	R
R_VEND_ABA_MAINT	Unique Tag used to identify beginning and ending of the Vendor ABA Maintenance table.	R

4.6.1 Vendor ABA Maintenance Table: R_VEND_ABA_MAINT

The following table describes the XML tags for the Vendor ABA Maintenance table.

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
ABA_NO	ABA Number	American Banking Association (routing number) number.	R	VARCHAR2	9	
BANK_NM	Bank Name	The name assigned to the banking institution.	R	VARCHAR2	40	

XML Tag	Caption	Description	R/C	Type	Max Size	Comments
PRINC_CNTAC	Prinicpal Contact Name	The contact person name at the bank.	R	VARCHAR2	60	Use the Bank Name as the Principal Contact Name
ADDR_1	Address 1	The first address line of the bank.	R	VARCHAR2	75	
CITY	City	The city name associated with the address.	R	VARCHAR2	60	
ST_CD	State/Province	The state associated with the address of the bank.	R	VARCHAR2	2	Must be valid on the State/Province table
ZIP_CD	Zip/Postal Code	The zip code or postal code associated with the address of the bank.	R	VARCHAR2	10	For US based addresses, the format is either 99999 or 99999-9999
VOICE_PH_NO	Phone	The phone number of the contact person.	R	VARCHAR2	30	Format is 999-999-9999

Appendix A: Inbound Document Based Interfaces - Inventory

Interface Name	Advantage 3 Document Code	Advantage 2 Document Code	Advantage 2 Rover ID (Interface ID)	Frequency
Revenue Distribution (unhonored checks)	CA	JVC, JVT	C30R080A	Daily
Revenue Distribution (payments)	CA	JVC, JVT	C30R080B	Daily
Accounts Receipt Posting System (Adj)	CA	JVC, JVT	C30R1790	Daily
Kentucky Retirement Investment	CA	JVM	C31R045A	Weekly
NREPC Journal Vouchers to Correct Payroll	CA	JVB	C34R2280	Semi-Monthly This has been dropped.
Materials Management (KMIMS)	CA	JVC	C35R0980	Monthly
Payroll & Payroll Equipment (019) - Payroll	CA	JVC	C35R099B	2 per Month
OFM CAMRA Interest Allocation	CA	JVC	C39R0100	Monthly
Uniform Personnel & Payroll (UPPS) Labor Dist. - P1	CA	JVC	C47R106A	Semi-Month

Interface Name	Advantage 3 Document Code	Advantage 2 Document Code	Advantage 2 Rover ID (Interface ID)	Frequency
Uniform Personnel & Payroll (UPPS) Labor Dist. Cab 35, 48, 49	CA	JVC	C47R106C	Semi-Month
Uniform Personnel & Payroll (UPPS) Labor Dist. - Supp	CA	JVC	C47R106D	Semi-Month
Allocation of GOT Charges CFC	CA	JVC	C48R0150	Monthly This has been dropped.
Telephone Allocation System (KAF-Automated Telephone Sys.) CFC	CA	JVC	C48R151A	Monthly
Telephone Allocation System (KAF-Automated Telephone Sys.) CFC - Essex	CA	JVC	C48R151B	Monthly
Telephone Allocation System (KAH-Automated Telephone Sys.) CHS	CA	JVC	C49R087A	Monthly This has been dropped.
Telephone Allocation System (KAH-Automated Telephone Sys.) CHS - Essex	CA	JVC	C49R087B	Monthly This has been dropped.
Allocation of GOT Charges CHS	CA	JVC	C49R1520	Monthly
Transportation - Annual Budget	CH	OB, RR	C35R2290	On-request

Interface Name	Advantage 3 Document Code	Advantage 2 Document Code	Advantage 2 Rover ID (Interface ID)	Frequency
Kentucky Retirement Investment	CR	CR	C31R045B	Daily
Kentucky Retirement Investment	CR	C1	C31R045C	Daily
NREPC CRs from TEMPO	CR	CR	C34R2300	Daily
ALTS Automated Lisc. & Taxation System	CR	CR, C1	C35R1240	Daily
Medicaid Refunds	JV2E (Clone of GAX)	JVC	C49R216B	
School Food Services - School & Community Nutrition-SCS	GAX	PV(1)	C33R0810	On Request
Voc Rehab Client Management	GAX	PV(1)	C46R1120	Daily
Long Distance Carrier Billings Allocation CFC (ALC) - LCF	GAX	PV(1)	C48R1500	Monthly This has been dropped.
Long Distance Carrier Billings Allocation CHS LDC	GAX	PV(1)	C49R0210	Monthly
Kentucky Imprest Cash (KICS), School for the Deaf , file combines Adv docs)	GAX, IET	PV(1); JVC	R042A017	On-request
Kentucky Imprest Cash (KICS), Fair and Expo , file combines Adv docs)	GAX, IET	PV(1); JVC	R042A094	On-request

Interface Name	Advantage 3 Document Code	Advantage 2 Document Code	Advantage 2 Rover ID (Interface ID)	Frequency
Equipment Management (062) -EMS for Repair Orders	IET	PVI	C35R093A	Monthly
Equipment Management (062) -EMS assessed rental for Transportation	IET	PVI	C35R093B	Monthly
Equipment Management (062) -EMS assessed rental for outside agencies	IET	PVI	C35R093C	Monthly
Equipment Management (062) -EMS pooled EQ rental (outside agencies)	IET	PVI	C35R093E	Monthly
Equipment Management (062) -EMS minor equipment	IET	PVI	C35R093F	2 per Month
Equipment Management (062) -EMS pooled Eq rental (TRANS)	IET	PVI	C35R093D	Monthly
Equipment Management (062) -EMS Travel	IET	IIT	C35R093G	Monthly
State Fire and tornado Insurance	IET	PVI	C37R1400	Daily
GOT Financial Management System -USAGE	IET	PVI	C39R024A	Monthly
GOT Financial Management System -PASSTHRU	IET	PVI	C39R024B	Monthly

Interface Name	Advantage 3 Document Code	Advantage 2 Document Code	Advantage 2 Rover ID (Interface ID)	Frequency
GOT Financial Management System – RECON	IET	PVI	C39R024C	Monthly
GOT Financial Management System - PREBILL	IET	PVI	C39R024D	Monthly
Finance Redistributions -Postal Billing, Rent Charges	IET	PVI	C39R2170	
Finance Printing Billing	IET	PVI	C39R2220	Semi-Weekly
Finance - Creative Services Billing	IET	PVI	C39R2240	Bi-weekly
Fish & Wildlife - Transportation Distribution	IET	PVI	C50R2330	On-request
Treasury Manual Warrants	MD	MW	C31R2090	Daily
Kentucky Retirement Investment	MD	MWI	C31R045D	Daily
Contractor Pay Estimate (030) - CPES KYTC will be using Site Manager and KYTAG from Q3 of 06	PO	PO	C35R092A	Daily
Contractor Pay Estimate (030) - CPES KYTC will be using Site Manager and KYTAG from Q3 of 06	PRC	P1	C35R092B	Daily
Uniform Personnel & Payroll (UPPS) Labor Dist for Personal Service Contracts -P1	PRC, CA	MW, JVB	C47R106B	Semi-Month

Interface Name	Advantage 3 Document Code	Advantage 2 Document Code	Advantage 2 Rover ID (Interface ID)	Frequency
Uniform Personnel & Payroll (UPPS) Labor Dist for Personal Service Contracts -Supp	PRC, CA	MW, JVB	C47R106E	Semi-Month
Uniform Personnel & Payroll (UPPS) Vendor Feed	VCC, VCM	Vendor File	C47R1080	Semi-Month
Medicaid UNISYS (EDS) Vendor Feed	VCC, VCM	Vendor File	C49R216A	This has been dropped.

Appendix B: Inbound Table Interfaces - Inventory

Advantage 2 Interface Name	Advantage 2 Interface Description	Submitting Agency	Frequency	Implementation in Advantage 3	Rover ID (Interface ID)
Revenue Accounts Receivable, Revenue Intercept Info (CARS) - Vendor Offset File	Revenue Department sends a flat file of intercept claims using the Advantage 2.x document format Vendor Offset (VO) to be loaded to SUSF.	DOR/Finance Administration Cabinet	Daily	Agency will submit an XML file that matches the interface input file of the External Debt batch process which updates the INTR (Intercept Request) table.	C30R0710
Department of Community Based Services (DCS) - Vendor Offset File	Community Based Services Department (Child Support) sends a flat file of intercept claims using the Advantage 2.x document format Vendor Offset (VO) to be loaded to SUSF.	DCS/CHFS	Weekly	Agency will submit an XML file that matches the interface input file of the External Debt batch process which updates the INTR (Intercept Request) table.	C53R2340
CHS Vendor Info File for Medicaid Services	Agency sends a vendor file to Statewide Accounting System to load it into the Check Writer Vendor File (CWTN) table.	Department for Medicaid Services/CHFS	At the end of the calendar year	Agency will submit an XML file with TIN information to be loaded into the 1099 Reporting Information table thru SysManUtil.	C53R1099
CFC Vendor Info File	Agency sends a vendor file to Statewide Accounting System to load it into the Check Writer Vendor File (CWTN) table.	CHFS/Office of the Secretary	At the end of the calendar year	Agency will submit an XML file with TIN information to be loaded into the 1099 Reporting Information table thru SysManUtil.	C53R109A

Advantage 2 Interface Name	Advantage 2 Interface Description	Submitting Agency	Frequency	Implementation in Advantage 3	Rover ID (Interface ID)
DOC Vendor Info File for Inmates	Agency sends a vendor file to Statewide Accounting System to load it into the Check Writer Vendor File (CWTN) table.	DOC/Justice and Public Safety Cabinet	At the end of the calendar year	Agency will submit an XML file with TIN information to be loaded into the 1099 Reporting Information table thru SysManUtil.	C54R1099
ABA Numbers File	Treasury FTP the ACHF flat file to Advantage 2.x. This file includes: the ABA Number, Bank Name and Address Info. Then the KBANK job runs in Advantage 2.x to load the Treasury ACHF file after purging all the records on the ACHF table.	Treasury	On Demand	Production Control will download valid ABA Numbers from a designated website to a text file. Then process a PDI map to convert the text file into an XML file based on the Vendor ABA Maintenance (VABA) table followed by uploading the XML file into the VABA table using SysManUtil.	C31R0100

Appendix C: IET XML Example

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DOC_ID="05081600000000000002" DOC_VERS_NO="1" AUTO_DOC_NUM="false" DOC_IMPORT_MODE="OE">
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  <IET_DOC_VEND AMSDataObject="Y">
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    <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
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Appendix D: PO XML Example

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DOC_ID="05000054" DOC_VERS_NO="1" AUTO_DOC_NUM="false" DOC_IMPORT_MODE="OE">
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  <PO_DOC_VEND AMSDataObject="Y">
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  <TC_ICORP Attribute="Y"><![CDATA[1]]></TC_ICORP>
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    ExportFileName="KYTC_Interfaces_T&C_Template.xml" Type="4"></ATTACHMENT>
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</AMS_DOCUMENT>
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Appendix E: CR XML Example

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    <DOC_CAT Attribute="Y"><![CDATA[AR]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[CR]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[CR]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[X87654321]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
```

```

<DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
<VEND_CUST_CD Attribute="Y"><![CDATA[VC0000100029]]></VEND_CUST_CD>
<AD_ID Attribute="Y"><![CDATA[AD001]]></AD_ID>
<VL_AM Attribute="Y"><![CDATA[25.00]]></VL_AM>
<CHK_EFT_NO ATTRIBUTE="Y"><![CDATA[12345678]]></CHK_EFT_NO>
<RFED_DOC_CD Attribute="Y"><![CDATA[null]]></RFED_DOC_CD>
<RFED_DOC_DEPT_CD Attribute="Y"><![CDATA[null]]></RFED_DOC_DEPT_CD>
<RFED_DOC_ID Attribute="Y"><![CDATA[null]]></RFED_DOC_ID>
<RFED_VEND_LN_NO Attribute="Y"><![CDATA[null]]></RFED_VEND_LN_NO>
<RFED_ACTG_LN_NO Attribute="Y"><![CDATA[null]]></RFED_ACTG_LN_NO>
</CR_DOC_VEND>
<CR_DOC_ACTG AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[AR]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[CR]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[CR]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[X87654321]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
  <DOC_ACTG_LN_NO Attribute="Y"><![CDATA[1]]></DOC_ACTG_LN_NO>
  <ACTG_TMPL_ID Attribute="Y"><![CDATA[JOHN J]]></ACTG_TMPL_ID>
  <EVNT_TYP_ID Attribute="Y"><![CDATA[AR02]]></EVNT_TYP_ID>
  <LN_AM Attribute="Y"><![CDATA[25.00]]></LN_AM>
  <ACTG_LN_DSCR Attribute="Y"><![CDATA[null]]></ACTG_LN_DSCR>
  <FUND_CD Attribute="Y"><![CDATA[0100]]></FUND_CD>
  <SFUND_CD Attribute="Y"><![CDATA[null]]></SFUND_CD>
  <OBJ_CD Attribute="Y"><![CDATA[null]]></OBJ_CD>
  <SOBJ_CD Attribute="Y"><![CDATA[null]]></SOBJ_CD>
  <RSRC_CD Attribute="Y"><![CDATA[BFD]]></RSRC_CD>
  <SRSRC_CD Attribute="Y"><![CDATA[null]]></SRSRC_CD>
  <DEPT_CD Attribute="Y"><![CDATA[758]]></DEPT_CD>
  <UNIT_CD Attribute="Y"><![CDATA[UNIT]]></UNIT_CD>
  <SUNIT_CD Attribute="Y"><![CDATA[UNIT]]></SUNIT_CD>
  <APPR_CD Attribute="Y"><![CDATA[null]]></APPR_CD>
  <BSA_CD Attribute="Y"><![CDATA[null]]></BSA_CD>

```

```
<SBSA_CD Attribute="Y"><![CDATA[null]]></SBSA_CD>
<DOBJ_CD Attribute="Y"><![CDATA[null]]></DOBJ_CD>
<DRSRC_CD Attribute="Y"><![CDATA[null]]></DRSRC_CD>
<LOC_CD Attribute="Y"><![CDATA[null]]></LOC_CD>
<SLOC_CD Attribute="Y"><![CDATA[null]]></SLOC_CD>
<ACTV_CD Attribute="Y"><![CDATA[null]]></ACTV_CD>
<SACTV_CD Attribute="Y"><![CDATA[null]]></SACTV_CD>
<FUNC_CD Attribute="Y"><![CDATA[AA00]]></FUNC_CD>
<SFUNC_CD Attribute="Y"><![CDATA[null]]></SFUNC_CD>
<RPT_CD Attribute="Y"><![CDATA[null]]></RPT_CD>
<SRPT_CD Attribute="Y"><![CDATA[null]]></SRPT_CD>
<TASK_CD Attribute="Y"><![CDATA[null]]></TASK_CD>
<STASK_CD Attribute="Y"><![CDATA[null]]></STASK_CD>
<TASK_ORD_CD Attribute="Y"><![CDATA[null]]></TASK_ORD_CD>
<PROG_CD Attribute="Y"><![CDATA[null]]></PROG_CD>
<PHASE_CD Attribute="Y"><![CDATA[null]]></PHASE_CD>
<PPC_CD Attribute="Y"><![CDATA[null]]></PPC_CD>
</CR_DOC_ACTG>
</AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>
```


Appendix F: MD XML Example

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<AMS_DOC_XML_IMPORT_FILE>
  <AMS_DOCUMENT DOC_CAT="AP" DOC_TYP="MD" DOC_CD="MD" DOC_DEPT_CD="100" DOC_UNIT_CD="UNIT"
DOC_ID="X87654321" DOC_VERS_NO="1" AUTO_DOC_NUM="false" DOC_IMPORT_MODE="OE">
  <MD_DOC_HDR AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[AP]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[MD]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[MD]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[100]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[X87654321]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <DOC_NM Attribute="Y"><![CDATA[null]]></DOC_NM>
    <DOC_REC_DT_DC Attribute="Y"><![CDATA[2005-08-23]]></DOC_REC_DT_DC>
    <DOC_BFY Attribute="Y"><![CDATA[2006]]></DOC_BFY>
    <DOC_FY_DC Attribute="Y"><![CDATA[2006]]></DOC_FY_DC>
    <DOC_PER_DC Attribute="Y"><![CDATA[2]]></DOC_PER_DC>
    <CHK_EFT_ISS_DT Attribute="Y"><![CDATA[2005-08-23]]></CHK_EFT_ISS_DT>
    <BANK_ACCT_CD Attribute="Y"><![CDATA[N1]]></BANK_ACCT_CD>
    <CHK_NO Attribute="Y"><![CDATA[000000123456789]]></CHK_NO>
    <MNL_PRINT_CHK_FL Attribute="Y"><![CDATA[true]]></MNL_PRINT_CHK_FL>
    <ADJ_ENTRY_FL Attribute="Y"><![CDATA[true]]></ADJ_ENTRY_FL>
    <DOC_DSCR Attribute="Y"><![CDATA[null]]></DOC_DSCR>
  </MD_DOC_HDR>
  <MD_DOC_VEND AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[AP]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[MD]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[MD]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[100]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[X87654321]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
  </MD_DOC_VEND>
</AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>
```

```

<VEND_CUST_CD Attribute="Y"><![CDATA[VC0000100012]]></VEND_CUST_CD>
<LGL_NM Attribute="Y"><![CDATA[SHAW'S LA-Z-BOY]]></LGL_NM>
<ALIAS_NM Attribute="Y"><![CDATA[null]]></ALIAS_NM>
<AD_ID Attribute="Y"><![CDATA[AD003]]></AD_ID>
<AD_LN_1 Attribute="Y"><![CDATA[XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX]]></AD_LN_1>
<AD_LN_2 Attribute="Y"><![CDATA[YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY]]></AD_LN_2>
<CITY Attribute="Y"><![CDATA[Frankfort]]></CITY>
<ST Attribute="Y"><![CDATA[KY]]></ST>
<ZIP Attribute="Y"><![CDATA[40601]]></ZIP>
<CTRY Attribute="Y"><![CDATA[US]]></CTRY>
<CNTAC_ID Attribute="Y"><![CDATA[PC002]]></CNTAC_ID>
<TIN Attribute="Y"><![CDATA[null]]></TIN>
<TIN_TYP Attribute="Y"><![CDATA[null]]></TIN_TYP>
</MD_DOC_VEND>
<MD_DOC_ACTG AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[AP]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[MD]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[MD]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[100]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[X87654321]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
  <DOC_ACTG_LN_NO Attribute="Y"><![CDATA[1]]></DOC_ACTG_LN_NO>
  <EVNT_TYP_ID Attribute="Y"><![CDATA[DI51]]></EVNT_TYP_ID>
  <ACTG_TMPL_ID Attribute="Y"><![CDATA[BRETT]]></ACTG_TMPL_ID>
  <LN_AM Attribute="Y"><![CDATA[10.02]]></LN_AM>
  <ACTG_LN_DSCR Attribute="Y"><![CDATA[null]]></ACTG_LN_DSCR>
  <CHK_DSCR Attribute="Y"><![CDATA[This is a check]]></CHK_DSCR>
  <VEND_INV_NO Attribute="Y"><![CDATA[123456789]]></VEND_INV_NO>
  <VEND_INV_LN_NO Attribute="Y"><![CDATA[1]]></VEND_INV_LN_NO>
  <VEND_INV_DT Attribute="Y"><![CDATA[2005-08-23]]></VEND_INV_DT>
  <REPL_FL Attribute="Y"><![CDATA[null]]></REPL_FL>
  <FUND_CD Attribute="Y"><![CDATA[0100]]></FUND_CD>
  <SFUND_CD Attribute="Y"><![CDATA[null]]></SFUND_CD>
  <OBJ_CD Attribute="Y"><![CDATA[E111]]></OBJ_CD>

```

```
<SOBJ_CD Attribute="Y"><![CDATA[null]]></SOBJ_CD>
<RSRC_CD Attribute="Y"><![CDATA[null]]></RSRC_CD>
<SRSRC_CD Attribute="Y"><![CDATA[null]]></SRSRC_CD>
<DEPT_CD Attribute="Y"><![CDATA[758]]></DEPT_CD>
<UNIT_CD Attribute="Y"><![CDATA[UNIT]]></UNIT_CD>
<SUNIT_CD Attribute="Y"><![CDATA[null]]></SUNIT_CD>
<APPR_CD Attribute="Y"><![CDATA[null]]></APPR_CD>
<BSA_CD Attribute="Y"><![CDATA[null]]></BSA_CD>
<SBSA_CD Attribute="Y"><![CDATA[null]]></SBSA_CD>
<DOBJ_CD Attribute="Y"><![CDATA[null]]></DOBJ_CD>
<DRSRC_CD Attribute="Y"><![CDATA[null]]></DRSRC_CD>
<LOC_CD Attribute="Y"><![CDATA[null]]></LOC_CD>
<SLOC_CD Attribute="Y"><![CDATA[null]]></SLOC_CD>
<ACTV_CD Attribute="Y"><![CDATA[null]]></ACTV_CD>
<SACTV_CD Attribute="Y"><![CDATA[null]]></SACTV_CD>
<FUNC_CD Attribute="Y"><![CDATA[AA00]]></FUNC_CD>
<SFUNC_CD Attribute="Y"><![CDATA[null]]></SFUNC_CD>
<RPT_CD Attribute="Y"><![CDATA[null]]></RPT_CD>
<SRPT_CD Attribute="Y"><![CDATA[null]]></SRPT_CD>
<TASK_CD Attribute="Y"><![CDATA[null]]></TASK_CD>
<STASK_CD Attribute="Y"><![CDATA[null]]></STASK_CD>
<TASK_ORD_CD Attribute="Y"><![CDATA[null]]></TASK_ORD_CD>
<PROG_CD Attribute="Y"><![CDATA[null]]></PROG_CD>
<PHASE_CD Attribute="Y"><![CDATA[null]]></PHASE_CD>
<PPC_CD Attribute="Y"><![CDATA[null]]></PPC_CD>
</MD_DOC_ACTG>
</AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>
```

Appendix G: GAX XML Example

```

<?xml version="1.0" encoding="ISO-8859-1" ?>
<AMS_DOC_XML_IMPORT_FILE>
  <AMS_DOCUMENT DOC_CAT="ABS" DOC_TYP="ABS" DOC_CD="GAX" DOC_DEPT_CD="079" DOC_UNIT_CD="UNIT"
DOC_ID="05000069" DOC_VERS_NO="1" AUTO_DOC_NUM="false" DOC_IMPORT_MODE="OE">
  <ABS_DOC_HDR AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[ABS]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[ABS]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[GAX]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[079]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[05000069]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <DOC_REC_DT_DC Attribute="Y"><![CDATA[2005-08-02]]></DOC_REC_DT_DC>
    <DOC_BFY Attribute="Y"><![CDATA[2006]]></DOC_BFY>
    <DOC_FY_DC Attribute="Y"><![CDATA[2006]]></DOC_FY_DC>
    <DOC_PER_DC Attribute="Y"><![CDATA[2]]></DOC_PER_DC>
    <DOC_NM Attribute="Y"><![CDATA[null]]></DOC_NM>
    <DOC_DSCR Attribute="Y"><![CDATA[test gax]]></DOC_DSCR>
    <CITED_AUTH Attribute="Y"><![CDATA[POSTAGE]]></CITED_AUTH>
  </ABS_DOC_HDR>
  <ABS_DOC_VEND AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[ABS]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[ABS]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[GAX]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[079]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[05000069]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
    <VEND_CUST_CD Attribute="Y"><![CDATA[VC0000100007]]></VEND_CUST_CD>
    <VEND_SNGL_CHK_FL Attribute="Y"><![CDATA[true]]></VEND_SNGL_CHK_FL>
    <SCHED_PYMT_DT Attribute="Y"><![CDATA[2005-08-22]]></SCHED_PYMT_DT>
  </ABS_DOC_VEND>
</AMS_DOC_XML_IMPORT_FILE>

```

```

<VEND_DISB_CAT Attribute="Y"><![CDATA[STM]]></VEND_DISB_CAT>
<DFLT_DISB_FRMT Attribute="Y"><![CDATA[GENC]]></DFLT_DISB_FRMT>
<AD_ID Attribute="Y"><![CDATA[AD001]]></AD_ID>
<CNTAC_ID Attribute="Y"><![CDATA[PC001]]></CNTAC_ID>
</ABS_DOC_VEND>
<ABS_DOC_ACTG AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[ABS]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[ABS]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[GAX]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[079]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[05000069]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
  <DOC_ACTG_LN_NO Attribute="Y"><![CDATA[1]]></DOC_ACTG_LN_NO>
  <ACTG_TMPL_ID Attribute="Y"><![CDATA[JENN D]]></ACTG_TMPL_ID>
  <EVNT_TYP_ID Attribute="Y"><![CDATA[AP01]]></EVNT_TYP_ID>
  <LN_AM Attribute="Y"><![CDATA[15.00]]></LN_AM>
  <SVC_FRM_DT Attribute="Y"><![CDATA[2005-08-12]]></SVC_FRM_DT>
  <SVC_TO_DT Attribute="Y"><![CDATA[2005-08-12]]></SVC_TO_DT>
  <CHK_DSCR Attribute="Y"><![CDATA[This is a check]]></CHK_DSCR>
  <FUND_CD Attribute="Y"><![CDATA[0100]]></FUND_CD>
  <SFUND_CD Attribute="Y"><![CDATA[null]]></SFUND_CD>
  <OBJ_CD Attribute="Y"><![CDATA[E111]]></OBJ_CD>
  <SOBJ_CD Attribute="Y"><![CDATA[null]]></SOBJ_CD>
  <RSRC_CD Attribute="Y"><![CDATA[null]]></RSRC_CD>
  <SRSRC_CD Attribute="Y"><![CDATA[null]]></SRSRC_CD>
  <DEPT_CD Attribute="Y"><![CDATA[079]]></DEPT_CD>
  <UNIT_CD Attribute="Y"><![CDATA[UNIT]]></UNIT_CD>
  <SUNIT_CD Attribute="Y"><![CDATA[1234]]></SUNIT_CD>
  <APPR_CD Attribute="Y"><![CDATA[null]]></APPR_CD>
  <BSA_CD Attribute="Y"><![CDATA[null]]></BSA_CD>
  <SBSA_CD Attribute="Y"><![CDATA[null]]></SBSA_CD>
  <DOBJ_CD Attribute="Y"><![CDATA[null]]></DOBJ_CD>
  <DRSRC_CD Attribute="Y"><![CDATA[null]]></DRSRC_CD>
  <LOC_CD Attribute="Y"><![CDATA[null]]></LOC_CD>

```

```
<SLOC_CD Attribute="Y"><![CDATA[null]]></SLOC_CD>
<ACTV_CD Attribute="Y"><![CDATA[null]]></ACTV_CD>
<SACTV_CD Attribute="Y"><![CDATA[null]]></SACTV_CD>
<FUNC_CD Attribute="Y"><![CDATA[AA00]]></FUNC_CD>
<SFUNC_CD Attribute="Y"><![CDATA[null]]></SFUNC_CD>
<RPT_CD Attribute="Y"><![CDATA[null]]></RPT_CD>
<SRPT_CD Attribute="Y"><![CDATA[null]]></SRPT_CD>
<TASK_CD Attribute="Y"><![CDATA[null]]></TASK_CD>
<STASK_CD Attribute="Y"><![CDATA[null]]></STASK_CD>
<TASK_ORD_CD Attribute="Y"><![CDATA[null]]></TASK_ORD_CD>
<PROG_CD Attribute="Y"><![CDATA[null]]></PROG_CD>
<PHASE_CD Attribute="Y"><![CDATA[null]]></PHASE_CD>
<PPC_CD Attribute="Y"><![CDATA[null]]></PPC_CD>
</ABS_DOC_ACTG>
</AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>
```

Appendix H: PRC XML Example

```

<?xml version="1.0" encoding="ISO-8859-1" ?>
<AMS_DOC_XML_IMPORT_FILE>
  <AMS_DOCUMENT DOC_CAT="AP" DOC_TYP="PR" DOC_CD="PRC" DOC_DEPT_CD="095" DOC_UNIT_CD="UNIT"
DOC_ID="05000073" DOC_VERS_NO="1" AUTO_DOC_NUM="false" DOC_IMPORT_MODE="OE">
  <PR_DOC_HDR AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[AP]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[PR]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[PRC]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[095]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[05000073]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <DOC_REC_DT_DC Attribute="Y"><![CDATA[2005-08-02]]></DOC_REC_DT_DC>
    <DOC_BFY Attribute="Y"><![CDATA[2006]]></DOC_BFY>
    <DOC_FY_DC Attribute="Y"><![CDATA[2006]]></DOC_FY_DC>
    <DOC_PER_DC Attribute="Y"><![CDATA[2]]></DOC_PER_DC>
    <DOC_NM Attribute="Y"><![CDATA[PRC Name]]></DOC_NM>
    <DOC_DSCR Attribute="Y"><![CDATA[PRC description]]></DOC_DSCR>
    <EXT_PR_DESC Attribute="Y"><![CDATA[null]]></EXT_PR_DESC>
    <CITED_AUTH Attribute="Y"><![CDATA[null]]></CITED_AUTH>
  </PR_DOC_HDR>
  <PR_DOC_VEND AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[AP]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[PR]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[PRC]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[095]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[05000073]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
    <VEND_CUST_CD Attribute="Y"><![CDATA[VC0000100014]]></VEND_CUST_CD>
    <VEND_SNGL_CHK_FL Attribute="Y"><![CDATA[true]]></VEND_SNGL_CHK_FL>
  </PR_DOC_VEND>

```

```

<SCHED_PYMT_DT Attribute="Y"><![CDATA[2005-08-22]]></SCHED_PYMT_DT>
<VEND_DISB_CAT Attribute="Y"><![CDATA[STM]]></VEND_DISB_CAT>
<DFLT_DISB_FRMT Attribute="Y"><![CDATA[GENC]]></DFLT_DISB_FRMT>
<AD_ID Attribute="Y"><![CDATA[AD001]]></AD_ID>
<CNTAC_ID Attribute="Y"><![CDATA[PC001]]></CNTAC_ID>
</PR_DOC_VEND>
<PR_DOC_COMM AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[AP]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[PR]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[PRC]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[095]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[05000073]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
  <DOC_COMM_LN_NO Attribute="Y"><![CDATA[1]]></DOC_COMM_LN_NO>
  <RF_DOC_CD Attribute="Y"><![CDATA[PO]]></RF_DOC_CD>
  <RF_DOC_DEPT_CD Attribute="Y"><![CDATA[095]]></RF_DOC_DEPT_CD>
  <RF_DOC_ID Attribute="Y"><![CDATA[05000055]]></RF_DOC_ID>
  <RF_DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></RF_DOC_VEND_LN_NO>
  <RF_DOC_COMM_LN_NO Attribute="Y"><![CDATA[1]]></RF_DOC_COMM_LN_NO>
  <RF_TYP Attribute="Y"><![CDATA[1]]></RF_TYP>
  <COMM_CD Attribute="Y"><![CDATA[10000]]></COMM_CD>
  <LN_TYP Attribute="Y"><![CDATA[1]]></LN_TYP>
  <QTY Attribute="Y"><![CDATA[7.00000]]></QTY>
  <UNIT_MEAS_CD Attribute="Y"><![CDATA[EA]]></UNIT_MEAS_CD>
  <UNIT_PRICE Attribute="Y"><![CDATA[5.000000]]></UNIT_PRICE>
  <CNTRC_AM Attribute="Y"><![CDATA[0.00]]></CNTRC_AM>
  <VEND_INV_NO Attribute="Y"><![CDATA[12345]]></VEND_INV_NO>
  <VEND_INV_LN_NO Attribute="Y"><![CDATA[1]]></VEND_INV_LN_NO>
  <VEND_INV_DT Attribute="Y"><![CDATA[2005-090-01]]></VEND_INV_DT>
  <CL_DSCR Attribute="Y"><![CDATA[office suppliles]]></CL_DSCR>
</PR_DOC_COMM>
<PR_DOC_ACTG AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[AP]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[PR]]></DOC_TYP>

```



```

<DOC_CD Attribute="Y"><![CDATA[PRC]]></DOC_CD>
<DOC_DEPT_CD Attribute="Y"><![CDATA[095]]></DOC_DEPT_CD>
<DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
<DOC_ID Attribute="Y"><![CDATA[05000073]]></DOC_ID>
<DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
<DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
<DOC_COMM_LN_NO Attribute="Y"><![CDATA[1]]></DOC_COMM_LN_NO>
<DOC_ACTG_LN_NO Attribute="Y"><![CDATA[1]]></DOC_ACTG_LN_NO>
<RFED_ACTG_LN_NO Attribute="Y"><![CDATA[1]]></RFED_ACTG_LN_NO>
<RF_TYP Attribute="Y"><![CDATA[1]]></RF_TYP>
<ACTG_TMPL_ID Attribute="Y"><![CDATA[SNAPP1]]></ACTG_TMPL_ID>
<EVNT_TYP_ID Attribute="Y"><![CDATA[AP01]]></EVNT_TYP_ID>
<SUB_TOT_LN_AM Attribute="Y"><![CDATA[17.50]]></SUB_TOT_LN_AM>
<CHK_DSCR Attribute="Y"><![CDATA[This is a check]]></CHK_DSCR>
<FUND_CD Attribute="Y"><![CDATA[0100]]></FUND_CD>
<SFUND_CD Attribute="Y"><![CDATA[null]]></SFUND_CD>
<OBJ_CD Attribute="Y"><![CDATA[E321]]></OBJ_CD>
<SOBJ_CD Attribute="Y"><![CDATA[null]]></SOBJ_CD>
<RSRC_CD Attribute="Y"><![CDATA[null]]></RSRC_CD>
<SRSRC_CD Attribute="Y"><![CDATA[null]]></SRSRC_CD>
<DEPT_CD Attribute="Y"><![CDATA[095]]></DEPT_CD>
<UNIT_CD Attribute="Y"><![CDATA[UNIT]]></UNIT_CD>
<SUNIT_CD Attribute="Y"><![CDATA[UNIT]]></SUNIT_CD>
<APPR_CD Attribute="Y"><![CDATA[null]]></APPR_CD>
<BSA_CD Attribute="Y"><![CDATA[null]]></BSA_CD>
<SBSA_CD Attribute="Y"><![CDATA[null]]></SBSA_CD>
<DOBJ_CD Attribute="Y"><![CDATA[null]]></DOBJ_CD>
<DRSRC_CD Attribute="Y"><![CDATA[null]]></DRSRC_CD>
<LOC_CD Attribute="Y"><![CDATA[null]]></LOC_CD>
<SLOC_CD Attribute="Y"><![CDATA[null]]></SLOC_CD>
<ACTV_CD Attribute="Y"><![CDATA[null]]></ACTV_CD>
<SACTV_CD Attribute="Y"><![CDATA[null]]></SACTV_CD>
<FUNC_CD Attribute="Y"><![CDATA[AA00]]></FUNC_CD>
<SFUNC_CD Attribute="Y"><![CDATA[null]]></SFUNC_CD>
<RPT_CD Attribute="Y"><![CDATA[null]]></RPT_CD>
<SRPT_CD Attribute="Y"><![CDATA[null]]></SRPT_CD>

```

```
<TASK_CD Attribute="Y"><![CDATA[null]]></TASK_CD>
<STASK_CD Attribute="Y"><![CDATA[null]]></STASK_CD>
<TASK_ORD_CD Attribute="Y"><![CDATA[null]]></TASK_ORD_CD>
<PROG_CD Attribute="Y"><![CDATA[null]]></PROG_CD>
<PHASE_CD Attribute="Y"><![CDATA[null]]></PHASE_CD>
<PPC_CD Attribute="Y"><![CDATA[null]]></PPC_CD>
</PR_DOC_ACTG>
</AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>
```

Appendix I: CA XML Example

```

<?xml version="1.0" encoding="ISO-8859-1" ?>
<AMS_DOC_XML_IMPORT_FILE>
<AMS_DOCUMENT DOC_CAT="CA" DOC_TYP="CH" DOC_CD="CA" DOC_DEPT_CD="075" DOC_UNIT_CD="UNIT"
DOC_ID="08020500000000000001" DOC_VERS_NO="1" AUTO_DOC_NUM="false" DOC_IMPORT_MODE="OE">
  <CH_DOC_HDR AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[CA]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[CH]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[CA]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[075]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[08020500000000000001]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <DOC_REC_DT_DC Attribute="Y"><![CDATA[2005-08-02]]></DOC_REC_DT_DC>
    <DOC_BFY Attribute="Y"><![CDATA[2006]]></DOC_BFY>
    <DOC_FY_DC Attribute="Y"><![CDATA[2006]]></DOC_FY_DC>
    <DOC_PER_DC Attribute="Y"><![CDATA[2]]></DOC_PER_DC>
    <DOC_NM Attribute="Y"><![CDATA[System Test of the CA document used]]></DOC_NM>
    <DOC_DSCR Attribute="Y"><![CDATA[null]]></DOC_DSCR>
  </CH_DOC_HDR>
  <CH_DOC_ACTG AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[CA]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[CH]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[CA]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[075]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[08020500000000000001]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <DOC_ACTG_LN_NO Attribute="Y"><![CDATA[1]]></DOC_ACTG_LN_NO>
    <ACTG_TMPL_ID Attribute="Y"><![CDATA[ERIC T]]></ACTG_TMPL_ID>
    <EVNT_TYP_ID Attribute="Y"><![CDATA[IN20]]></EVNT_TYP_ID>
    <LN_AM Attribute="Y"><![CDATA[150.00]]></LN_AM>
    <FUND_CD Attribute="Y"><![CDATA[0100]]></FUND_CD>
    <SFUND_CD Attribute="Y"><![CDATA[null]]></SFUND_CD>
  </CH_DOC_ACTG>
</AMS_DOCUMENT>

```

```
<OBJ_CD Attribute="Y"><![CDATA[E321]]></OBJ_CD>
<SOBJ_CD Attribute="Y"><![CDATA[null]]></SOBJ_CD>
<RSRC_CD Attribute="Y"><![CDATA[null]]></RSRC_CD>
<SRSRC_CD Attribute="Y"><![CDATA[null]]></SRSRC_CD>
<DEPT_CD Attribute="Y"><![CDATA[095]]></DEPT_CD>
<UNIT_CD Attribute="Y"><![CDATA[UNIT]]></UNIT_CD>
<SUNIT_CD Attribute="Y"><![CDATA[UNIT]]></SUNIT_CD>
<APPR_CD Attribute="Y"><![CDATA[null]]></APPR_CD>
<BSA_CD Attribute="Y"><![CDATA[null]]></BSA_CD>
<SBSA_CD Attribute="Y"><![CDATA[null]]></SBSA_CD>
<DOBJ_CD Attribute="Y"><![CDATA[null]]></DOBJ_CD>
<DRSRC_CD Attribute="Y"><![CDATA[null]]></DRSRC_CD>
<LOC_CD Attribute="Y"><![CDATA[null]]></LOC_CD>
<SLOC_CD Attribute="Y"><![CDATA[null]]></SLOC_CD>
<ACTV_CD Attribute="Y"><![CDATA[null]]></ACTV_CD>
<SACTV_CD Attribute="Y"><![CDATA[null]]></SACTV_CD>
<FUNC_CD Attribute="Y"><![CDATA[AA00]]></FUNC_CD>
<SFUNC_CD Attribute="Y"><![CDATA[null]]></SFUNC_CD>
<RPT_CD Attribute="Y"><![CDATA[null]]></RPT_CD>
<SRPT_CD Attribute="Y"><![CDATA[null]]></SRPT_CD>
<TASK_CD Attribute="Y"><![CDATA[null]]></TASK_CD>
<STASK_CD Attribute="Y"><![CDATA[null]]></STASK_CD>
<TASK_ORD_CD Attribute="Y"><![CDATA[null]]></TASK_ORD_CD>
<PROG_CD Attribute="Y"><![CDATA[null]]></PROG_CD>
<PHASE_CD Attribute="Y"><![CDATA[null]]></PHASE_CD>
<PPC_CD Attribute="Y"><![CDATA[null]]></PPC_CD>
</CH_DOC_ACTG>
</AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>
```

Appendix J: VCC XML Example

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<AMS_DOC_XML_IMPORT_FILE>
  <AMS_DOCUMENT DOC_CAT="VCUST" DOC_TYP="VCC" DOC_CD="VCC" DOC_DEPT_CD="112" DOC_UNIT_CD="UNIT"
DOC_ID="X87654321" DOC_VERS_NO="1" AUTO_DOC_NUM="false" DOC_IMPORT_MODE="OE">
  <VCC_DOC_VCUST AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[VCC]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[VCC]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[X87654321]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <DOC_VCUST_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VCUST_LN_NO>
    <VEND_CUST_CD Attribute="Y"><![CDATA[JLAR4567MD]]></VEND_CUST_CD>
    <ORG_TYP Attribute="Y"><![CDATA[1]]></ORG_TYP>
    <FRST_NM Attribute="Y"><![CDATA[JOE]]></FRST_NM>
    <LAST_NM Attribute="Y"><![CDATA[LARRY]]></LAST_NM>
    <MID_NM Attribute="Y"><![CDATA[null]]></MID_NM>
    <COMP_NM Attribute="Y"><![CDATA[null]]></COMP_NM>
    <ORG_CLS Attribute="Y"><![CDATA[1]]></ORG_CLS>
    <ALIAS_NM Attribute="Y"><![CDATA[null]]></ALIAS_NM>
    <TIN Attribute="Y"><![CDATA[611234567]]></TIN>
    <TIN_TYP Attribute="Y"><![CDATA[2]]></TIN_TYP>
    <DISB_CAT Attribute="Y"><![CDATA[STM]]></DISB_CAT>
    <DFLT_DISB_FRMT Attribute="Y"><![CDATA[GENC]]></DFLT_DISB_FRMT>
    <SNGL_CHK_IND Attribute="Y"><![CDATA[true]]></SNGL_CHK_IND>
    <CHK_NM Attribute="Y"><![CDATA[3]]></CHK_NM>
    <ABA_NO Attribute="Y"><![CDATA[null]]></ABA_NO>
    <ACCT_TYP Attribute="Y"><![CDATA[null]]></ACCT_TYP>
    <ACCT_NO Attribute="Y"><![CDATA[null]]></ACCT_NO>
    <EFT_FRMT Attribute="Y"><![CDATA[null]]></EFT_FRMT>
    <EFT_STA Attribute="Y"><![CDATA[null]]></EFT_STA>
    <ALW_EFT_FL Attribute="Y"><![CDATA[null]]></ALW_EFT_FL>
  </VCC_DOC_VCUST>
</AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>
```

```

</VCC_DOC_VCUST>
<VCC_DOC_AD AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[VCC]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[VCC]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[X87654321]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_VCUST_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VCUST_LN_NO>
  <DOC_AD_LN_NO Attribute="Y"><![CDATA[1]]></DOC_AD_LN_NO>
  <VEND_CUST_CD Attribute="Y"><![CDATA[JLAR4567MD]]></VEND_CUST_CD>
  <AD_TYP Attribute="Y"><![CDATA[PA]]></AD_TYP>
  <DFLT_AD_TYP Attribute="Y"><![CDATA[true]]></DFLT_AD_TYP>
  <AD_ID Attribute="Y"><![CDATA[AD001]]></AD_ID>
  <STR_1_NM Attribute="Y"><![CDATA[123 Main Street]]></STR_1_NM>
  <STR_2_NM Attribute="Y"><![CDATA[null]]></STR_2_NM>
  <CITY_NM Attribute="Y"><![CDATA[Blacksburg]]></CITY_NM>
  <ST Attribute="Y"><![CDATA[VA]]></ST>
  <ZIP Attribute="Y"><![CDATA[24060]]></ZIP>
  <CTRY Attribute="Y"><![CDATA[US]]></CTRY>
  <CTRY_PH_CD Attribute="Y"><![CDATA[null]]></CTRY_PH_CD>
  <VOICE_PH_NO Attribute="Y"><![CDATA[5402328754]]></VOICE_PH_NO>
  <VOICE_PH_EXT Attribute="Y"><![CDATA[null]]></VOICE_PH_EXT>
  <CNTAC_NO Attribute="Y"><![CDATA[PRC001]]></CNTAC_NO>
  <PRIN_CNTAC Attribute="Y"><![CDATA[F. Beamer]]></PRIN_CNTAC>
</VCC_DOC_AD>
<VCC_DOC_AD AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[VCC]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[VCC]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[X87654321]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_VCUST_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VCUST_LN_NO>

```

```

<DOC_AD_LN_NO Attribute="Y"><![CDATA[2]]></DOC_AD_LN_NO>
<VEND_CUST_CD Attribute="Y"><![CDATA[JLAR4567MD]]></VEND_CUST_CD>
<AD_TYP Attribute="Y"><![CDATA[PR]]></AD_TYP>
<DFLT_AD_TYP Attribute="Y"><![CDATA[true]]></DFLT_AD_TYP>
<AD_ID Attribute="Y"><![CDATA[AD001]]></AD_ID>
<STR_1_NM Attribute="Y"><![CDATA[123 Main Street]]></STR_1_NM>
<STR_2_NM Attribute="Y"><![CDATA[null]]></STR_2_NM>
<CITY_NM Attribute="Y"><![CDATA[Blacksburg]]></CITY_NM>
<ST Attribute="Y"><![CDATA[VA]]></ST>
<ZIP Attribute="Y"><![CDATA[24060]]></ZIP>
<CTRY Attribute="Y"><![CDATA[US]]></CTRY>
<CTRY_PH_CD Attribute="Y"><![CDATA[null]]></CTRY_PH_CD>
<VOICE_PH_NO Attribute="Y"><![CDATA[5402328754]]></VOICE_PH_NO>
<VOICE_PH_EXT Attribute="Y"><![CDATA[null]]></VOICE_PH_EXT>
<CNTAC_NO Attribute="Y"><![CDATA[PRC001]]></CNTAC_NO>
<PRIN_CNTAC Attribute="Y"><![CDATA[F. Beamer]]></PRIN_CNTAC>
</VCC_DOC_AD>
<VCC_DOC_1099 AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[VCCUST]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[VCC]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[VCC]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[X87654321]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_VCUST_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VCUST_LN_NO>
  <DOC_1099_LN_NO Attribute="Y"><![CDATA[1]]></DOC_1099_LN_NO>
  <VEND_CUST_CD Attribute="Y"><![CDATA[JLAR4567MD]]></VEND_CUST_CD>
  <TIN Attribute="Y"><![CDATA[611234567]]></TIN>
  <TIN_TYP Attribute="Y"><![CDATA[2]]></TIN_TYP>
  <TIN_NM_1 Attribute="Y"><![CDATA[abcdefghij]]></TIN_NM_1>
  <TIN_NM_2 Attribute="Y"><![CDATA[null]]></TIN_NM_2>
  <TIN_AD Attribute="Y"><![CDATA[123 Main Street]]></TIN_AD>
  <TIN_CITY_NM Attribute="Y"><![CDATA[Blacksburg]]></TIN_CITY_NM>
  <TIN_ST Attribute="Y"><![CDATA[VA]]></TIN_ST>
  <TIN_ZIP Attribute="Y"><![CDATA[24060]]></TIN_ZIP>

```

```
<RPT_1099_FL Attribute="Y"><![CDATA[true]]></RPT_1099_FL>
</VCC_DOC_1099>
<VCC_DOC_BUS AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[VCCST]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[VCC]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[VCC]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[X87654321]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_VCUST_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VCUST_LN_NO>
  <DOC_BUS_LN_NO Attribute="Y"><![CDATA[1]]></DOC_BUS_LN_NO>
  <VEND_CUST_CD Attribute="Y"><![CDATA[JLAR4567MD]]></VEND_CUST_CD>
  <BUS_TYP Attribute="Y"><![CDATA[UPPS]]></BUS_TYP>
</VCC_DOC_BUS>
<VCC_DOC_CERT AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[VCCST]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[VCC]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[VCC]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[X87654321]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_VCUST_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VCUST_LN_NO>
  <DOC_CERT_LN_NO Attribute="Y"><![CDATA[1]]></DOC_CERT_LN_NO>
  <VEND_CUST_CD Attribute="Y"><![CDATA[JLAR4567MD]]></VEND_CUST_CD>
  <VEND_ACT_STA Attribute="Y"><![CDATA[2]]></VEND_ACT_STA>
  <VEND_APRV_STA Attribute="Y"><![CDATA[3]]></VEND_APRV_STA>
</VCC_DOC_CERT>
</AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>
```


Appendix K: VCM XML Example

The following example includes changes to the disbursement information for a vendor (i.e. VCM_DOC_VCUST).

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<AMS_DOC_XML_IMPORT_FILE>
  <AMS_DOCUMENT DOC_CAT="VCUST" DOC_TYP="VCM" DOC_CD="VCM" DOC_DEPT_CD="112" DOC_UNIT_CD="UNIT"
DOC_ID="RICHVCM123K" DOC_VERS_NO="1" AUTO_DOC_NUM="false" DOC_IMPORT_MODE="OE">
  <VCM_DOC_HDR AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <VEND_CUST_CD Attribute="Y"><![CDATA[JSMI2222MD]]></VEND_CUST_CD>
    <ORG_TYP Attribute="Y"><![CDATA[1]]></ORG_TYP>
    <COMP_NM Attribute="Y"><![CDATA[null]]></COMP_NM>
    <FRST_NM Attribute="Y"><![CDATA[JOHN]]></FRST_NM>
    <LAST_NM Attribute="Y"><![CDATA[SMITH]]></LAST_NM>
    <MID_NM Attribute="Y"><![CDATA[null]]></MID_NM>
  </VCM_DOC_HDR>
  <VCM_DOC_VCUST AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <DOC_VCUST_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VCUST_LN_NO>
    <LN_ACTN Attribute="Y"><![CDATA[1]]></LN_ACTN>
  </VCM_DOC_VCUST>
</AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>
```

```

<VEND_CUST_CD Attribute="Y"><![CDATA[JSMI2222MD]]></VEND_CUST_CD>
<ALIAS_NM Attribute="Y"><![CDATA[null]]></ALIAS_NM>
<ORG_CLS Attribute="Y"><![CDATA[1]]></ORG_CLS>
<TIN Attribute="Y"><![CDATA[222222222]]></TIN>
<TIN_TYP Attribute="Y"><![CDATA[2]]></TIN_TYP>
<CHK_NM Attribute="Y"><![CDATA[3]]></CHK_NM>
<DISB_CAT Attribute="Y"><![CDATA[UTH]]></DISB_CAT>
<DFLT_DISB_FRMT Attribute="Y"><![CDATA[GENC]]></DFLT_DISB_FRMT>
<SNGL_CHK_IND Attribute="Y"><![CDATA[true]]></SNGL_CHK_IND>
<ABA_NO Attribute="Y"><![CDATA[null]]></ABA_NO>
<ACCT_TYP Attribute="Y"><![CDATA[null]]></ACCT_TYP>
<ACCT_NO Attribute="Y"><![CDATA[null]]></ACCT_NO>
<EFT_FRMT Attribute="Y"><![CDATA[null]]></EFT_FRMT>
<EFT_STA Attribute="Y"><![CDATA[null]]></EFT_STA>
<ALW_EFT_FL Attribute="Y"><![CDATA[null]]></ALW_EFT_FL>
</VCM_DOC_VCUST>
<VCM_DOC_1099 AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_1099_LN_NO Attribute="Y"><![CDATA[1]]></DOC_1099_LN_NO>
  <LN_ACTN Attribute="Y"><![CDATA[2]]></LN_ACTN>
  <VEND_CUST_CD Attribute="Y"><![CDATA[JSMI2222MD]]></VEND_CUST_CD>
  <OLD_TIN Attribute="Y"><![CDATA[222222222]]></OLD_TIN>
  <OLD_TIN_TYP Attribute="Y"><![CDATA[2]]></OLD_TIN_TYP>
  <TIN_NM_1 Attribute="Y"><![CDATA[JOHN SMITH]]></TIN_NM_1>
  <TIN_NM_2 Attribute="Y"><![CDATA[null]]></TIN_NM_2>
  <TIN_AD Attribute="Y"><![CDATA[123 Main Street]]></TIN_AD>
  <TIN_CITY_NM Attribute="Y"><![CDATA[Blacksburg]]></TIN_CITY_NM>
  <TIN_ST Attribute="Y"><![CDATA[VA]]></TIN_ST>
  <TIN_ZIP Attribute="Y"><![CDATA[24060]]></TIN_ZIP>
  <RPT_1099_FL Attribute="Y"><![CDATA[false]]></RPT_1099_FL>

```

```

</VCM_DOC_1099>
<VCM_DOC_MSTR AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_MSTR_LN_NO Attribute="Y"><![CDATA[1]]></DOC_MSTR_LN_NO>
  <LN_ACTN Attribute="Y"><![CDATA[2]]></LN_ACTN>
  <PNT_ACCT_CD Attribute="Y"><![CDATA[JSMI2222MD]]></PNT_ACCT_CD>
  <OLD_AD_ID Attribute="Y"><![CDATA[AD001]]></OLD_AD_ID>
  <STR_1_NM Attribute="Y"><![CDATA[123 Capital Road]]></STR_1_NM>
  <STR_2_NM Attribute="Y"><![CDATA[null]]></STR_2_NM>
  <CITY_NM Attribute="Y"><![CDATA[Frankfort]]></CITY_NM>
  <ST Attribute="Y"><![CDATA[KY]]></ST>
  <ZIP Attribute="Y"><![CDATA[40601]]></ZIP>
  <CTRY Attribute="Y"><![CDATA[US]]></CTRY>
  <CTRY_PH_CD Attribute="Y"><![CDATA[null]]></CTRY_PH_CD>
  <VOICE_PH_NO Attribute="Y"><![CDATA[5402328754]]></VOICE_PH_NO>
  <VOICE_PH_EXT Attribute="Y"><![CDATA[null]]></VOICE_PH_EXT>
</VCM_DOC_MSTR>
<VCM_DOC_CNTAC AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_CNTAC_LN_NO Attribute="Y"><![CDATA[1]]></DOC_CNTAC_LN_NO>
  <LN_ACTN Attribute="Y"><![CDATA[2]]></LN_ACTN>
  <PNT_ACCT_CD Attribute="Y"><![CDATA[JSMI2222MD]]></PNT_ACCT_CD>
  <OLD_CNTAC_NO Attribute="Y"><![CDATA[PC001]]></OLD_CNTAC_NO>
  <CNTAC_NM Attribute="Y"><![CDATA[F. Beamer]]></CNTAC_NM>

```

```

        <AD_ID Attribute="Y"><![CDATA[AD001]]></AD_ID>
</VCM_DOC_CNTAC>
<VCM_DOC_BUS AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <DOC_BUS_LN_NO Attribute="Y"><![CDATA[1]]></DOC_BUS_LN_NO>
    <LN_ACTN Attribute="Y"><![CDATA[2]]></LN_ACTN>
    <VEND_CUST_CD Attribute="Y"><![CDATA[JSMI2222MD]]></VEND_CUST_CD>
    <OLD_BUS_TYP Attribute="Y"><![CDATA[UPPS]]></OLD_BUS_TYP>
</VCM_DOC_BUS>
<VCM_DOC_CERT AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <DOC_CERT_LN_NO Attribute="Y"><![CDATA[1]]></DOC_CERT_LN_NO>
    <LN_ACTN Attribute="Y"><![CDATA[2]]></LN_ACTN>
    <VEND_CUST_CD Attribute="Y"><![CDATA[JSMI2222MD]]></VEND_CUST_CD>
    <VEND_ACT_STA Attribute="Y"><![CDATA[2]]></VEND_ACT_STA>
    <VEND_APRV_STA Attribute="Y"><![CDATA[3]]></VEND_APRV_STA>
</VCM_DOC_CERT>
</AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>

```

The following example includes changes to the Legal Name for a vendor (i.e. VCM_DOC_HDR).

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<AMS_DOC_XML_IMPORT_FILE>
  <AMS_DOCUMENT DOC_CAT="VCUST" DOC_TYP="VCM" DOC_CD="VCM" DOC_DEPT_CD="112" DOC_UNIT_CD="UNIT"
DOC_ID="RICHVCM123K" DOC_VERS_NO="1" AUTO_DOC_NUM="false" DOC_IMPORT_MODE="OE">
  <VCM_DOC_HDR AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <VEND_CUST_CD Attribute="Y"><![CDATA[JSMI2222MD]]></VEND_CUST_CD>
    <ORG_TYP Attribute="Y"><![CDATA[1]]></ORG_TYP>
    <COMP_NM Attribute="Y"><![CDATA[null]]></COMP_NM>
    <FRST_NM Attribute="Y"><![CDATA[Jeff]]></FRST_NM>
    <LAST_NM Attribute="Y"><![CDATA[Charles]]></LAST_NM>
    <MID_NM Attribute="Y"><![CDATA[null]]></MID_NM>
  </VCM_DOC_HDR>
  <VCM_DOC_HQ AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
    <DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>
    <DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
    <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
    <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
    <DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
    <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
    <DOC_HQ_LN_NO Attribute="Y"><![CDATA[1]]></DOC_HQ_LN_NO>
    <PNT_ACCT_CD Attribute="Y"><![CDATA[JSMI2222MD]]></PNT_ACCT_CD>
    <LN_ACTN Attribute="Y"><![CDATA[1]]></LN_ACTN>
  </VCM_DOC_HQ>
  <VCM_DOC_1099 AMSDataObject="Y">
    <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
```

```

<DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>
<DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
<DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
<DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
<DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
<DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
<DOC_1099_LN_NO Attribute="Y"><![CDATA[1]]></DOC_1099_LN_NO>
<LN_ACTN Attribute="Y"><![CDATA[2]]></LN_ACTN>
<VEND_CUST_CD Attribute="Y"><![CDATA[JSMI2222MD]]></VEND_CUST_CD>
<OLD_TIN Attribute="Y"><![CDATA[22222222]]></OLD_TIN>
<OLD_TIN_TYP Attribute="Y"><![CDATA[2]]></OLD_TIN_TYP>
<TIN_NM_1 Attribute="Y"><![CDATA[JOHN SMITH]]></TIN_NM_1>
<TIN_NM_2 Attribute="Y"><![CDATA[null]]></TIN_NM_2>
<TIN_AD Attribute="Y"><![CDATA[123 Main Street]]></TIN_AD>
<TIN_CITY_NM Attribute="Y"><![CDATA[Blacksburg]]></TIN_CITY_NM>
<TIN_ST Attribute="Y"><![CDATA[VA]]></TIN_ST>
<TIN_ZIP Attribute="Y"><![CDATA[24060]]></TIN_ZIP>
<RPT_1099_FL Attribute="Y"><![CDATA[false]]></RPT_1099_FL>
</VCM_DOC_1099>
<VCM_DOC_MSTR AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_MSTR_LN_NO Attribute="Y"><![CDATA[1]]></DOC_MSTR_LN_NO>
  <LN_ACTN Attribute="Y"><![CDATA[2]]></LN_ACTN>
  <PNT_ACCT_CD Attribute="Y"><![CDATA[JSMI2222MD]]></PNT_ACCT_CD>
  <OLD_AD_ID Attribute="Y"><![CDATA[AD001]]></OLD_AD_ID>
  <STR_1_NM Attribute="Y"><![CDATA[123 Capital Road]]></STR_1_NM>
  <STR_2_NM Attribute="Y"><![CDATA[null]]></STR_2_NM>
  <CITY_NM Attribute="Y"><![CDATA[Frankfort]]></CITY_NM>
  <ST Attribute="Y"><![CDATA[KY]]></ST>
  <ZIP Attribute="Y"><![CDATA[40601]]></ZIP>

```

```

<CTRY Attribute="Y"><![CDATA[US]]></CTRY>
<CTRY_PH_CD Attribute="Y"><![CDATA[null]]></CTRY_PH_CD>
<VOICE_PH_NO Attribute="Y"><![CDATA[5402328754]]></VOICE_PH_NO>
<VOICE_PH_EXT Attribute="Y"><![CDATA[null]]></VOICE_PH_EXT>
</VCM_DOC_MSTR>
<VCM_DOC_CNTAC AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_CNTAC_LN_NO Attribute="Y"><![CDATA[1]]></DOC_CNTAC_LN_NO>
  <LN_ACTN Attribute="Y"><![CDATA[2]]></LN_ACTN>
  <PNT_ACCT_CD Attribute="Y"><![CDATA[JSMI2222MD]]></PNT_ACCT_CD>
  <OLD_CNTAC_NO Attribute="Y"><![CDATA[PC001]]></OLD_CNTAC_NO>
  <CNTAC_NM Attribute="Y"><![CDATA[F. Beamer]]></CNTAC_NM>
  <AD_ID Attribute="Y"><![CDATA[AD001]]></AD_ID>
</VCM_DOC_CNTAC>
<VCM_DOC_BUS AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_BUS_LN_NO Attribute="Y"><![CDATA[1]]></DOC_BUS_LN_NO>
  <LN_ACTN Attribute="Y"><![CDATA[2]]></LN_ACTN>
  <VEND_CUST_CD Attribute="Y"><![CDATA[JSMI2222MD]]></VEND_CUST_CD>
  <OLD_BUS_TYP Attribute="Y"><![CDATA[UPPS]]></OLD_BUS_TYP>
</VCM_DOC_BUS>
<VCM_DOC_CERT AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[VCUST]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[VCM]]></DOC_TYP>

```

```
<DOC_CD Attribute="Y"><![CDATA[VCM]]></DOC_CD>
<DOC_DEPT_CD Attribute="Y"><![CDATA[112]]></DOC_DEPT_CD>
<DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
<DOC_ID Attribute="Y"><![CDATA[RICHVCM123K]]></DOC_ID>
<DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
<DOC_CERT_LN_NO Attribute="Y"><![CDATA[1]]></DOC_CERT_LN_NO>
<LN_ACTN Attribute="Y"><![CDATA[2]]></LN_ACTN>
<VEND_CUST_CD Attribute="Y"><![CDATA[JSMI2222MD]]></VEND_CUST_CD>
<VEND_ACT_STA Attribute="Y"><![CDATA[2]]></VEND_ACT_STA>
<VEND_APRV_STA Attribute="Y"><![CDATA[3]]></VEND_APRV_STA>
</VCM_DOC_CERT>
</AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>
```


Appendix L: 1099I Table XML Example

The example below contains two 1099I records.

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<AMS_DATAOBJECT_XML_IMPORT_FILE>
  <R_TIN_1099_INFO AMSDataObject="Y">
    <TIN Attribute="Y"><![CDATA[123456789]]></TIN>
    <TIN_TYP Attribute="Y"><![CDATA[1]]></TIN_TYP>
    <TIN_NM_1 Attribute="Y"><![CDATA[JOHN SMITH]]></TIN_NM_1>
    <TIN_NM_2 Attribute="Y"><![CDATA[null]]></TIN_NM_2>
    <TIN_AD Attribute="Y"><![CDATA[100 MAIN STREET]]></TIN_AD>
    <TIN_CITY_NM Attribute="Y"><![CDATA[FRANKFORT]]></TIN_CITY_NM>
    <TIN_ST Attribute="Y"><![CDATA[KY]]></TIN_ST>
    <TIN_ZIP Attribute="Y"><![CDATA[40601]]></TIN_ZIP>
    <CTRY_CD Attribute="Y"><![CDATA[null]]></CTRY_CD>
    <RPT_1099_FL Attribute="Y"><![CDATA[true]]></RPT_1099_FL>
  </R_TIN_1099_INFO>
  <R_TIN_1099_INFO AMSDataObject="Y">
    <TIN Attribute="Y"><![CDATA[121212121]]></TIN>
    <TIN_TYP Attribute="Y"><![CDATA[1]]></TIN_TYP>
    <TIN_NM_1 Attribute="Y"><![CDATA[KIM CHARLES]]></TIN_NM_1>
    <TIN_NM_2 Attribute="Y"><![CDATA[null]]></TIN_NM_2>
    <TIN_AD Attribute="Y"><![CDATA[444 RIVER STREET]]></TIN_AD>
    <TIN_CITY_NM Attribute="Y"><![CDATA[FRANKFORT]]></TIN_CITY_NM>
    <TIN_ST Attribute="Y"><![CDATA[KY]]></TIN_ST>
    <TIN_ZIP Attribute="Y"><![CDATA[40602]]></TIN_ZIP>
    <CTRY_CD Attribute="Y"><![CDATA[null]]></CTRY_CD>
    <RPT_1099_FL Attribute="Y"><![CDATA[true]]></RPT_1099_FL>
  </R_TIN_1099_INFO>
</AMS_DATAOBJECT_XML_IMPORT_FILE>
```

Appendix M: INTR Table XML Example

The example below contains two INTR records.

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<AMS_DATAOBJECT_XML_IMPORT_FILE >
  <R_AP_INCT_RQST AMSDataObject="Y">
    <TIN Attribute="Y"><![CDATA[917410057]]></TIN>
    <TIN_TYP Attribute="Y"><![CDATA[2]]></TIN_TYP>
    <FRST_NM Attribute="Y"><![CDATA[ETRO]]></FRST_NM>
    <LAST_NM Attribute="Y"><![CDATA[COBOP]]></LAST_NM>
    <OUT_AM Attribute="Y"><![CDATA[110.20]]></OUT_AM>
    <DUE_DT Attribute="Y"><![CDATA[2005-09-04]]></DUE_DT>
    <AR_RF_DOC_CD Attribute="Y"><![CDATA[N/A]]></AR_RF_DOC_CD>
    <AR_REF_DOC_DEPT_CD Attribute="Y"><![CDATA[100]]></AR_REF_DOC_DEPT_CD>
    <AR_UNIT_CD Attribute="Y"><![CDATA[111]]></AR_UNIT_CD>
    <AR_RF_DOC_ID Attribute="Y"><![CDATA[FAKETESTID5]]></AR_RF_DOC_ID>
    <DEBT_TYP_CD Attribute="Y"><![CDATA[001]]></DEBT_TYP_CD>
    <ENTY_CD Attribute="Y"><![CDATA[MRE]]></ENTY_CD>
    <CLM_STA Attribute="Y"><![CDATA[1]]></CLM_STA>
    <NOTICE_PRN_STA Attribute="Y"><![CDATA[1]]></NOTICE_PRN_STA>
    <NOTICE_SCHD_PRN_DT Attribute="Y"><![CDATA[null]]></NOTICE_SCHD_PRN_DT>
    <VEND_LGL_NM Attribute="Y"><![CDATA[null]]></VEND_LGL_NM>
    <VEND_ALIAS_NM Attribute="Y"><![CDATA[null]]></VEND_ALIAS_NM>
    <VEND_STR_1_NM Attribute="Y"><![CDATA[null]]></VEND_STR_1_NM>
    <VEND_STR_2_NM Attribute="Y"><![CDATA[null]]></VEND_STR_2_NM>
    <VEND_CITY_NM Attribute="Y"><![CDATA[null]]></VEND_CITY_NM>
    <VEND_ST Attribute="Y"><![CDATA[null]]></VEND_ST>
    <VEND_ZIP Attribute="Y"><![CDATA[null]]></VEND_ZIP>
    <VEND_CTRY_CD Attribute="Y"><![CDATA[null]]></VEND_CTRY_CD>
  </R_AP_INCT_RQST>
  <R_AP_INCT_RQST AMSDataObject="Y">
    <TIN Attribute="Y"><![CDATA[234110110]]></TIN>
```

```
<TIN_TYP Attribute="Y"><![CDATA[2]]></TIN_TYP>
<FRST_NM Attribute="Y"><![CDATA[JENEFERINATOR]]></FRST_NM>
<LAST_NM Attribute="Y"><![CDATA[KINGSTER]]></LAST_NM>
<OUT_AM Attribute="Y"><![CDATA[220.20]]></OUT_AM>
<DUE_DT Attribute="Y"><![CDATA[2005-09-05]]></DUE_DT>
<AR_RF_DOC_CD Attribute="Y"><![CDATA[N/A]]></AR_RF_DOC_CD>
<AR_REF_DOC_DEPT_CD Attribute="Y"><![CDATA[200]]></AR_REF_DOC_DEPT_CD>
<AR_UNIT_CD Attribute="Y"><![CDATA[222]]></AR_UNIT_CD>
<AR_RF_DOC_ID Attribute="Y"><![CDATA[FAKETESTID6]]></AR_RF_DOC_ID>
<DEBT_TYP_CD Attribute="Y"><![CDATA[003]]></DEBT_TYP_CD>
<ENTY_CD Attribute="Y"><![CDATA[MRE]]></ENTY_CD>
<CLM_STA Attribute="Y"><![CDATA[1]]></CLM_STA>
<NOTICE_PRN_STA Attribute="Y"><![CDATA[null]]></NOTICE_PRN_STA>
<NOTICE_SCHD_PRN_DT Attribute="Y"><![CDATA[2005-09-05]]></NOTICE_SCHD_PRN_DT>
<VEND_LGL_NM Attribute="Y"><![CDATA[JOE SMITH]]></VEND_LGL_NM>
<VEND_ALIAS_NM Attribute="Y"><![CDATA[JOE SMITH]]></VEND_ALIAS_NM>
<VEND_STR_1_NM Attribute="Y"><![CDATA[200 MAIN STREET]]></VEND_STR_1_NM>
<VEND_STR_2_NM Attribute="Y"><![CDATA[null]]></VEND_STR_2_NM>
<VEND_CITY_NM Attribute="Y"><![CDATA[FRANKFORT]]></VEND_CITY_NM >
<VEND_ST Attribute="Y"><![CDATA[KY]]></VEND_ST>
<VEND_ZIP Attribute="Y"><![CDATA[40601]]></VEND_ZIP>
<VEND_CTRY_CD Attribute="Y"><![CDATA[USA]]></VEND_CTRY_CD>
</R_AP_INCT_RQST>
</AMS_DATAOBJECT_XML_IMPORT_FILE>
```

Appendix N: VABA Table XML Example

The example below contains two VABA records.

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<AMS_DATAOBJECT_XML_IMPORT_FILE>
  <R_VEND_ABA_MAINT AMSDataObject="Y">
    <ABA_NO Attribute="Y"><![CDATA[083000137]]></ABA_NO>
    <BANK_NM Attribute="Y"><![CDATA[-BANK OF AMERICA]]></BANK_NM>
    <PRINC_CNTAC Attribute="Y"><![CDATA[BANK OF AMERICA]]></PRINC_CNTAC>
    <ADDR_1 Attribute="Y"><![CDATA[100 MAIN STREET]]></ADDR_1>
    <CITY Attribute="Y"><![CDATA[NEW YORK]]></CITY>
    <ST_CD Attribute="Y"><![CDATA[NY]]></ST_CD>
    <ZIP_CD Attribute="Y"><![CDATA[33001]]></ZIP_CD>
    <VOICE_PH_NO Attribute="Y"><![CDATA[502-555-1212]]></VOICE_PH_NO>
  </R_VEND_ABA_MAINT>
  <R_VEND_ABA_MAINT AMSDataObject="Y">
    <ABA_NO Attribute="Y"><![CDATA[283978441]]></ABA_NO>
    <BANK_NM Attribute="Y"><![CDATA[BANK ONE]]></BANK_NM>
    <PRINC_CNTAC Attribute="Y"><![CDATA[BANK ONE]]></PRINC_CNTAC>
    <ADDR_1 Attribute="Y"><![CDATA[2100 CANAL RD]]></ADDR_1>
    <CITY Attribute="Y"><![CDATA[CINCINNATI]]></CITY>
    <ST_CD Attribute="Y"><![CDATA[OH]]></ST_CD>
    <ZIP_CD Attribute="Y"><![CDATA[44005]]></ZIP_CD>
    <VOICE_PH_NO Attribute="Y"><![CDATA[502-555-1212]]></VOICE_PH_NO>
  </R_VEND_ABA_MAINT>
</AMS_DATAOBJECT_XML_IMPORT_FILE>
```

Appendix O : JV2E Document XML Example

This is an example of one JV2E document.

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
  <AMS_DOC_XML_EXPORT_FILE>
    <AMS_DOCUMENT DOC_CAT="ABS" DOC_TYP="ABS" DOC_CD="JV2E" DOC_DEPT_CD="758" DOC_UNIT_CD="UNIT"
DOC_ID="EXAMPLE06000011" DOC_VERS_NO="1" AUTO_DOC_NUM="false" DOC_IMPORT_MODE="OE">
      <ABS_DOC_HDR AMSDataObject="Y">
        <DOC_CAT Attribute="Y"><![CDATA[ABS]]></DOC_CAT>
        <DOC_TYP Attribute="Y"><![CDATA[ABS]]></DOC_TYP>
        <DOC_CD Attribute="Y"><![CDATA[JV2E]]></DOC_CD>
        <DOC_DEPT_CD Attribute="Y"><![CDATA[758]]></DOC_DEPT_CD>
        <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
        <DOC_ID Attribute="Y"><![CDATA[EXAMPLE06000011]]></DOC_ID>
        <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
        <DOC_REC_DT_DC Attribute="Y"><![CDATA[null]]></DOC_REC_DT_DC>
        <DOC_BFY Attribute="Y"><![CDATA[null]]></DOC_BFY>
        <DOC_FY_DC Attribute="Y"><![CDATA[null]]></DOC_FY_DC>
        <DOC_PER_DC Attribute="Y"><![CDATA[null]]></DOC_PER_DC>
        <DOC_NM Attribute="Y"><![CDATA[Test document]]></DOC_NM>
        <DOC_DSCR Attribute="Y"><![CDATA[Test document]]></DOC_DSCR>
      </ABS_DOC_HDR>
      <ABS_DOC_VEND AMSDataObject="Y">
        <DOC_CAT Attribute="Y"><![CDATA[ABS]]></DOC_CAT>
        <DOC_TYP Attribute="Y"><![CDATA[ABS]]></DOC_TYP>
        <DOC_CD Attribute="Y"><![CDATA[JV2E]]></DOC_CD>
        <DOC_DEPT_CD Attribute="Y"><![CDATA[758]]></DOC_DEPT_CD>
        <DOC_ID Attribute="Y"><![CDATA[EXAMPLE06000011]]></DOC_ID>
        <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
        <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
        <VEND_CUST_CD Attribute="Y"><![CDATA[null]]></VEND_CUST_CD>
      </ABS_DOC_VEND>
    </AMS_DOCUMENT>
  </AMS_DOC_XML_EXPORT_FILE>
```

```

</ABS_DOC_VEND>
<ABS_DOC_ACTG AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[ABS]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[ABS]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[JV2E]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[758]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[EXAMPLE06000011]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
  <DOC_ACTG_LN_NO Attribute="Y"><![CDATA[1]]></DOC_ACTG_LN_NO>
  <ACTG_TMPL_ID Attribute="Y"><![CDATA[MEDI01]]></ACTG_TMPL_ID>
  <EVNT_TYP_ID Attribute="Y"><![CDATA[GA01]]></EVNT_TYP_ID>
  <LN_AM Attribute="Y"><![CDATA[500.00]]></LN_AM>
  <FUND_CD Attribute="Y"><![CDATA[null]]></FUND_CD>
  <SFUND_CD Attribute="Y"><![CDATA[null]]></SFUND_CD>
  <OBJ_CD Attribute="Y"><![CDATA[E399]]></OBJ_CD>
  <SOBJ_CD Attribute="Y"><![CDATA[null]]></SOBJ_CD>
  <RSRC_CD Attribute="Y"><![CDATA[null]]></RSRC_CD>
  <SRSRC_CD Attribute="Y"><![CDATA[null]]></SRSRC_CD>
  <DEPT_CD Attribute="Y"><![CDATA[758]]></DEPT_CD>
  <UNIT_CD Attribute="Y"><![CDATA[null]]></UNIT_CD>
  <SUNIT_CD Attribute="Y"><![CDATA[null]]></SUNIT_CD>
  <APPR_CD Attribute="Y"><![CDATA[null]]></APPR_CD>
  <BSA_CD Attribute="Y"><![CDATA[null]]></BSA_CD>
  <SBSA_CD Attribute="Y"><![CDATA[null]]></SBSA_CD>
  <DOBJ_CD Attribute="Y"><![CDATA[null]]></DOBJ_CD>
  <DRSRC_CD Attribute="Y"><![CDATA[null]]></DRSRC_CD>
  <LOC_CD Attribute="Y"><![CDATA[null]]></LOC_CD>
  <SLOC_CD Attribute="Y"><![CDATA[null]]></SLOC_CD>
  <ACTV_CD Attribute="Y"><![CDATA[null]]></ACTV_CD>
  <FUNC_CD Attribute="Y"><![CDATA[null]]></FUNC_CD>
  <SFUNC_CD Attribute="Y"><![CDATA[null]]></SFUNC_CD>
  <RPT_CD Attribute="Y"><![CDATA[null]]></RPT_CD>
  <SRPT_CD Attribute="Y"><![CDATA[null]]></SRPT_CD>
  <TASK_CD Attribute="Y"><![CDATA[null]]></TASK_CD>

```

```

<STASK_CD Attribute="Y"><![CDATA[null]]></STASK_CD>
<TASK_ORD_CD Attribute="Y"><![CDATA[null]]></TASK_ORD_CD>
<PROG_CD Attribute="Y"><![CDATA[null]]></PROG_CD>
<PHASE_CD Attribute="Y"><![CDATA[null]]></PHASE_CD>
<PPC_CD Attribute="Y"><![CDATA[null]]></PPC_CD>
</ABS_DOC_ACTG>
<ABS_DOC_ACTG AMSDataObject="Y">
  <DOC_CAT Attribute="Y"><![CDATA[ABS]]></DOC_CAT>
  <DOC_TYP Attribute="Y"><![CDATA[ABS]]></DOC_TYP>
  <DOC_CD Attribute="Y"><![CDATA[JV2E]]></DOC_CD>
  <DOC_DEPT_CD Attribute="Y"><![CDATA[758]]></DOC_DEPT_CD>
  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
  <DOC_ID Attribute="Y"><![CDATA[EXAMPLE06000011]]></DOC_ID>
  <DOC_VERS_NO Attribute="Y"><![CDATA[1]]></DOC_VERS_NO>
  <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
  <DOC_ACTG_LN_NO Attribute="Y"><![CDATA[2]]></DOC_ACTG_LN_NO>
  <ACTG_TMPL_ID Attribute="Y"><![CDATA[MEDI02]]></ACTG_TMPL_ID>
  <EVNT_TYP_ID Attribute="Y"><![CDATA[GA01]]></EVNT_TYP_ID>
  <LN_AM Attribute="Y"><![CDATA[500.00]]></LN_AM>
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</AMS_DOCUMENT>  
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Appendix P: IN XML Example

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DOC_ID="05000020" DOC_VERS_NO="1" AUTO_DOC_NUM="false" DOC_IMPORT_MODE="OE">
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    <LOC_CD Attribute="Y"><![CDATA[null]]></LOC_CD>
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    <VEND_CUST_CD Attribute="Y"><![CDATA[VC0000100014]]></VEND_CUST_CD>
  </IN_DOC_HDR>
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  <DOC_UNIT_CD Attribute="Y"><![CDATA[UNIT]]></DOC_UNIT_CD>
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