GAX/CGAX Transaction XML Interface Specification

IRIS Advanced Job Aid

Contents

Introduction

In IRIS, payments can be processed directly online or interfaced through a batch process. This interface specification document describes the XML file structure and contents for payment requests using the General Accounting Expense/Expenditure (GAX) and Confidential Warrant General Accounting Expenditure (CGAX) transactions. The CGAX transaction is a clone of the baseline GAX transaction and the two are identical in terms of the file structure and content. The file specifications differ only in the values provided for transaction code (DOC_CD) and disbursement category (VEND_DISB_CAT). For brevity's sake, this document will generally refer to just the GAX transaction.

The GAX transaction is a general accounting, i.e., non-commodity, payment request transaction in IRIS. Payment requests are input to the automated disbursement chain that runs during the nightly IRIS batch cycle (Mon-Fri) and submits disbursement transactions to generate printed warrants (AD/CAD) or

electronic payments (EFT/CEFT) to vendors. GAX and CGAX transactions can reference specific General Accounting Encumbrance (GAE) or Confidential General Accounting Encumbrance (CGAE) transactions in IRIS, but that is not required.

The IRIS batch interface process supports original entry of transactions. It is not possible to modify existing transactions in IRIS using this process. The creation of a new interface requires the approval of the Division of Finance, and each interface is assigned a unique file processing configuration. More information on interface setup is available in the Interface Job-Aid on the Division's website.

Interface File Structure

Transaction interfaces to IRIS utilize XML files adhering to a standard format supported by the application. Every interface file contains a single AMS_DOC_XML_IMPORT_FILE document element, preceded by an optional XML declaration statement. The financial transactions in the file are provided as individual AMS_DOCUMENT elements. Those are followed by a single TRAILER_RECORD element that specifies control information for the included transaction.

The high-level structure of the file is as follows.

```
<?xml version="1.0" encoding="ISO-8859-1"?>

 <AMS_DOC_XML_IMPORT_FILE>

        <AMS_DOCUMENT …>

        </AMS_DOCUMENT>

        <AMS_DOCUMENT …>

        </AMS_DOCUMENT>

        …

        <TRAILER_RECORD>

        </TRAILER_RECORD>

</AMS_DOC_XML_IMPORT_FILE>
```

AMS_DOCUMENT Structure

In the XML interface file, each individual GAX transaction is represented by an AMS_DOCUMENT element. In the IRIS application, transactions have one or more components, and each component contains one or more fields. The GAX transaction has three components; the transaction header (ABS_DOC_HDR), the vendor (ABS_DOC_VEND), and the accounting line (ABS_DOC_ACTG). Every transaction has a single header and the GAX transaction requires at least one vendor and accounting line. It is possible to specify multiple vendors, i.e., payees, on a single GAX transaction. But it's strongly recommended that interfaced payment requests include a single vendor per transaction. Multiple accounting lines can be included for each transaction as required by the business process.

The AMS_DOCUMENT element has a set of required XML attributes which are defined within the opening tag, for example:

 <AMS_DOCUMENT DOC_CAT="ABS" DOC_TYP="ABS" DOC_CD="CGAX" DOC_DEPT_CD="04" DOC_UNIT_CD="X111" DOC_ID="IRX-R786120704" DOC_VERS_NO="1" AUTO_DOC_NUM="false" DOC_IMPORT_MODE="OE">

The XML elements for the transaction components are all siblings with a common parent of the AMS_DOCUMENT element. In the application they each represent a row on a database table and have a required XML attribute of AMSDataObject="Y", e.g., **<ABS_DOC_HDR AMSDataObject="Y">**.

The children of the transaction component elements represent individual columns on the table and have a required attribute of Attribute="Y". To avoid any problems related to special characters, line feeds, etc., the value provided for each column should be contained within a CDATA section, for example:

<DOC_CAT Attribute="Y"><![CDATA[ABS]]></DOC_CAT>

Many of the attribute elements, such as DOC_CAT, are required within all components elements and are repeated multiple times within each AMS_DOCUMENT.

The high-level structure of the AMS_DOCUMENT element for a GAX transaction is as follows.

<AMS_DOCUMENT DOC_CAT="ABS" …>

        <ABS_DOC_HDR AMSDataObject="Y">

            …

        </ABS_DOC_HDR>

        <ABS_DOC_VEND AMSDataObject="Y">

            …

        </ABS_DOC_VEND>

        <ABS_DOC_ACTG AMSDataObject="Y">

            …

        </ABS_DOC_ACTG>

        …

</AMS_DOCUMENT>

Trailer Record

The trailer record should appear after the final AMS_DOCUMENT in the file, and before the closing AMS_DOC_IMPORT_FILE tag. This element is used in the state's interface reconciliation process, and it is not included in the data that gets loaded to the IRIS application. Its purpose is to confirm that the contents of the XML file match expectations. The elements in the trailer record don't require the

AMSDataObject ="Y" or Attribute="Y" entries required within the AMS_DOCUMENT. And the use of CDATA sections is allowed, but not required.

Empty Fields

When no value is being provided for an optional field, the XML element can either be included in the file with no value, e.g., <AD_LN_2 Attribute="Y"><![CDATA[]]></AD_LN_2>, or it can be omitted entirely. In either case, the result will be the same when the transaction is imported to the IRIS application.

Detailed Field Specifications

Document Element

XML Tag	Description	Required Attributes
AMS_DOC_XML_IMPORT_FILE	Required document element that contains all the other XML elements within the file.	None

GAX Transaction Root Element

XML Tag	Description	Required Attributes
AMS_DOCUMENT	Top level element for an IRIS transaction. There will be an <AMS_DOCUMENT></AMS_DOCUMENT> pair for each GAX transaction in the file.	DOC_CAT DOC_TYP DOC_CD DOC_DEPT_CD DOC_UNIT_CD DOC_ID DOC_VERS_NO AUTO_DOC_NUM DOC_IMPORT_MODE

AMS_DOCUMENT Attributes

Attribute Name	Display Name	Format/Length	Comments/Rules
DOC_CAT	Transaction Category	Varchar(8)	"ABS"
DOC_TYP	Transaction Type	Varchar(8)	"ABS"
DOC_CD	Transaction Code	Varchar(8)	"GAX" or "CGAX"
DOC_DEPT_CD	Transaction Department Code	Varchar(4)	The two-character department code of the responsible department, e.g., '02' for the Department of Administration.
DOC_UNIT_CD	Transaction Unit Code	Varchar(4)	The four-character unit code. This value is used to define the approval workflow requirements for the transaction.
DOC_ID	Transaction ID	Varchar(20)	Each interface to IRIS Financial is assigned a three-character ID, .e.g., "IAW", that must begin the transaction ID. The

			remaining 17 characters can be set at the discretion of the interfacing agency. But the assigned values should be unique. Some interfaces use an identifying number from the source system, others use a simple date/sequence number method, .e.g., IAW202402260001.
DOC_VERS_NO	Transaction Version Number	Number(2)	Set to 1. Interfaces support original entry only, so the version number will always be 1.
AUTO_DOC_NUM	Automatic Transaction Numbering Flag	Varchar(5)	Set to 'false'. IRIS supports the automatic assignment of transaction IDs. But the SOA standard is for all interfaces to assign values in the XML file.
DOC_IMPORT_MODE	Transaction Import Mode	Varchar(5)	Set to 'OE', for original entry.

Transaction Header

XML Tag	Description	Required Attributes
ABS_DOC_HDR	Parent element for the GAX transaction header. There must be one, and only one, ABS_DOC_HDR element per AMS_DOCUMENT.	AMSDataObject="Y"

Transaction Header – Field Detail

Note: All elements in this section require the XML attribute, Attribute="Y". All data values should be enclosed in CDATA sections.

XML Tag	Label	Description	Required/ Optional/ Conditional	Format/ Length	Comments/Rules
DOC_CAT	Transaction Category	The transaction category as defined in IRIS.	R	Varchar(8)	Same value as in AMS_DOCUMENT
DOC_TYP	Transaction Type	The transaction type as defined in IRIS	R	Varchar(8)	Same value as in AMS_DOCUMENT
DOC_CD	Transaction Code	The transaction code as defined in IRIS	R	Varchar(8)	Same value as in AMS_DOCUMENT

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DOC_DEPT_CD	Transaction Department Code	The two-character department code of the responsible agency	R	Varchar(4)	Same value as in AMS_DOCUMENT
DOC_ID	Transaction ID	Unique ID assigned by the interfacing system	R	Varchar(20)	Same value as in AMS_DOCUMENT
DOC_VERS_NO	Transaction Version Number	The version number of the transaction.	R	Number(2)	Same value as in AMS_DOCUMENT
DOC_UNIT_CD	Transaction Unit Code	The unit code of the responsible agency	R	Varchar(4)	Same value as in AMS_DOCUMENT
DOC_REC_DT_DC	Transaction Record Date	The record date to be used when posting the transaction	O	Date	If left blank will default to the current application date **(RECOMMENDED)** If provided, must be in "YYYY-MM-DD" format.
DOC_BFY	Transaction Budget Fiscal Year	When a value is specified on the header, it will be used as the default on all accounting lines. In almost all cases, this field should be left blank.	O	Number(4)	If left blank will default to the current FY. **(RECOMMENDED)** If provided, must be in "YYYY-MM-DD" format.
DOC_FY_DC	Transaction Fiscal Year	When a value is specified on the header, it will be used as the default on all accounting lines. In almost all cases, this field should be left blank.	O	Number(4)	If left blank will default to the current FY. **(RECOMMENDED)** If provided, must be in "YYYY-MM-DD" format.
DOC_PER_DC	Transaction Accounting Period	When a value is specified on the header, it will be used as the default on all accounting lines. In almost all cases, this field should be left blank.	O	Number(2)	If left blank will default to the current period. **(RECOMMENDED)**
DOC_DSCR	Transaction Description	An optional text field that can be used to provide information about the transaction.	O	Varchar(60)	This field is searchable on the transaction catalog (DOCATLG) page in IRIS.

DOC_NM	Transaction Name	An optional text field to assign a name to the transaction.	O	Varchar(60)	

Vendor Line

XML Tag	Description	Required Attributes
ABS_DOC_VEND	Parent element for the GAX vendor. There must be at least one ABS_DOC_VEND per AMS_DOCUMENT and it is strongly recommended that interfaced transactions be limited to a single vendor.	AMSDataObject="Y"

Vendor Line – Field Detail

Note: All elements in this section require the XML attribute, Attribute="Y". All data values should be enclosed in CDATA sections.

Miscellaneous Vendors

In the IRIS application the vendor customer table contains name, address, EFT, and tax reporting information for known vendors. IRIS also supports a special type of vendor entry called a miscellaneous vendor. Miscellaneous vendor codes can be assigned to payments for various payees. IRIS does not store name and address information for miscellaneous vendors, so that information needs to be included in the XML file. Miscellaneous vendors do not support electronic payments and cannot be used on payments that are 1099-reportable.

XML Tag	Label	Description	Required/ Optional/ Conditional	Format/ Length	Comments/Rules
DOC_CAT	Transaction Category	The transaction category as defined in IRIS.	R	Varchar(8)	Same value as in AMS_DOCUMENT
DOC_TYP	Transaction Type	The transaction type as defined in IRIS	R	Varchar(8)	Same value as in AMS_DOCUMENT
DOC_CD	Transaction Code	The transaction code as defined in IRIS	R	Varchar(8)	Same value as in AMS_DOCUMENT
DOC_DEPT_CD	Transaction Department Code	The two-character department code of the responsible agency	R	Varchar(4)	Same value as in AMS_DOCUMENT

DOC_ID	Transaction ID	Unique ID assigned by the interfacing system	R	Varchar(20)	Same value as in AMS_DOCUMENT
DOC_VERS_NO	Transaction Version Number	The version number of the transaction.	R	Number(2)	Same value as in AMS_DOCUMENT
DOC_UNIT_CD	Transaction Unit Code	The unit code of the responsible agency	R	Varchar(4)	Same value as in AMS_DOCUMENT
DOC_VEND_LN_NO	Vendor Line Number	An assigned number to uniquely identify each vendor line within the transaction.	R	Number(10)	Set to 1.
VEND_CUST_CD	Vendor/Customer Code	The unique code assigned to the vendor on the vendor customer table in IRIS.	R	Varchar(20)	The provided value must exist in IRIS as a valid vendor code.
LGL_NM	Legal Name	The legal name of the vendor that will be used as the payee name on the disbursement.	C	Varchar(60)	This field is required for miscellaneous vendors. It will infer from the IRIS vendor table for other types.
ALIAS_NM	DBA Name	Can be used to specify the DBA name or a continuation of the legal name, if required.	O	Varchar(60)	This field is optional for miscellaneous vendors. It will infer from the IRIS vendor table for other types.
AD_LN_1	Address Line 1	The first line of the mailing address.	C	Varchar(75)	This field is required for miscellaneous vendors. It will infer from the IRIS vendor table for other types.
AD_LN_2	Address Line 2	An optional second line for the mailing address.	O	Varchar(75)	This field is optional for miscellaneous vendors. It will infer from the IRIS vendor table for other types.
CITY	City	City	C	Varchar(60)	This field is required for miscellaneous vendors. It will infer from the IRIS vendor table for other types.

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ST	State	The two-character USPS state code.	C	Varchar(2)	This field is required for miscellaneous vendors. It will infer from the IRIS vendor table for other types.
ZIP	Zip Code	Zip Code +4	C	Varchar(10)	This field is required for miscellaneous vendors. It will infer from the IRIS vendor table for other types. If provided, the value should be in either "99999" or "99999-9999" format.
CTRY	Country	The two-character, ISO-3166, country code	C	Varchar(2)	This field is required for miscellaneous vendors. It will infer from the IRIS vendor table for other types.
VEND_SNGL_CHK_FL	Single Check Flag	An optional flag that can be used to bypass disbursement consolidation.	O	Varchar(5)	During the automated disbursement process in IRIS, the application will attempt to consolidate multiple payment requests for the same department and vendor on a single disbursement. This flag can be used to bypass consolidation and ensure a one-to-one correspondence of GAX/CGAX to disbursement. If no value is specified, it will default based on the vendor configuration in IRIS. Set to 'true' to bypass consolidation.
VEND_DISB_CAT	Disbursement Category	There is a single category defined in IRIS that is used	C	Varchar(4)	For **CGAX** transactions, this field must be set to 'CN'.

		to apply special handling for confidential payments.			For **GAX** transactions, it should be blank.
HDLG_CD	Handling Code	This code can be used with paper warrants to have the item routed to the responsible department for handling instead of being mailed.	O	Varchar(2)	Must be a valid value on the IRIS handling code table (HDLG).

Accounting Line

XML Tag	Description	Required Attributes
ABS_DOC_ACTG	Parent element for the GAX accounting line.	AMSDataObject="Y"

Accounting Line – Field Detail

Note: All elements in that section require the XML attribute, Attribute="Y". All data values should be enclosed in CDATA sections.

Budget Fiscal Year (BFY), Fiscal Year (FY), and Accounting Period (APD)

The values for BFY, FY, and APD will all default based on the current application date in IRIS. In most cases, that's the desired behavior. There may be exceptions at the beginning of a new fiscal year, or for situations like charging to capital budget, or back dating Treasury cash posting. Unless there is a specific reason to set the value of these fields, it's recommended that they be allowed to default.

Required Fields

The requirement for elements on the accounting line are highly variable by agency and business case. So, the detail requirements will also vary by interface. The minimum required fields are event type, department, unit, fund, appropriation unit, and either an object, revenue, or BSA code. Accounting elements can be directly provided at the field level or can be inferred from an accounting template or from a referenced accounting line. The type of code, object, revenue, or BSA, is dependent on the event type. Most GAX transactions require an object code. But there are less common cases that require a revenue or BSA code. Exact requirements will need to be developed in cooperation with fiscal staff from the responsible agency.

Transaction References

It is possible for the accounting line of a GAX transaction to reference an accounting line from an existing General Accounting Encumbrance (GAE) transaction in IRIS. The reference serves two purposes, to infer the financial coding from the referenced transaction, and to liquidate the encumbrance. The reference fields on the GAX include all the key values needed to identify the unique GAE accounting line, and a reference type of either "Partial" or "Final". The type affects the encumbrance liquidation and partial should be used in all but a few rare cases. A final reference will liquidate the entire remaining amount of the encumbrance, regardless of how much is being spent. A partial reference will liquidate just the amount of the referencing accounting line on the GAX. When a GAE reference is provided, the financial coding is inferred from the referenced accounting line and COA precedence rules are applied. Those rules specify that referenced values can't be changed, but new codes can be added if that field is blank on the referenced line.

XML Tag	Label	Description	Required/ Optional/ Conditional	Format/ Length	Comments/Rules
DOC_CAT	Transaction Category	The transaction category as defined in IRIS.	R	Varchar(8)	Same value as in AMS_DOCUMENT
DOC_TYP	Transaction Type	The transaction type as defined in IRIS	R	Varchar(8)	Same value as in AMS_DOCUMENT
DOC_CD	Transaction Code	The transaction code as defined in IRIS	R	Varchar(8)	Same value as in AMS_DOCUMENT
DOC_DEPT_CD	Transaction Department Code	The two-character department code of the responsible agency	R	Varchar(4)	Same value as in AMS_DOCUMENT
DOC_ID	Transaction ID	Unique ID assigned by the interfacing system	R	Varchar(20)	Same value as in AMS_DOCUMENT
DOC_VERS_NO	Transaction Version Number	The version number of the transaction.	R	Number(2)	Same value as in AMS_DOCUMENT
DOC_UNIT_CD	Transaction Unit Code	The unit code of the responsible agency	R	Varchar(4)	Same value as in AMS_DOCUMENT
DOC_VEND_LN_NO	Vendor Line Number	The line number of the associated vendor line.	R	Number(10)	All accounting lines on the GAX document must be associated with a vendor line on the same transaction. The value should match the number assigned in the

					ABS_DOC_VEND section above, typically that would be 1.
DOC_ACTG_LN_NO	Accounting Line Number	An assigned number to uniquely identify each accounting line within the transaction.	R	Number(10)	
BFY	Budget Fiscal Year	The budget fiscal year to be used when posting the transaction.	O	Number(4)	If left blank, BFY will default based on the current application date **(recommended)**. If a value is provided, it should be in YYYY format and must be a valid year as defined on the FY table in IRIS.
FY_DC	Fiscal Year	The fiscal year to be used when posting the transaction.	O	Number(4)	If left blank, FY will default based on the current application date **(recommended)**. If a value is provided, it should be in YYYY format and must be a valid year as defined on the FY table in IRIS.
PER_DC	Accounting Period	The accounting period to be used when posting the transaction.	O	Number(2)	If left blank, accounting period will default based on the current application date **(recommended)**. If a value is provided, it should be in NN format. Normal accounting periods correspond to the month of the fiscal year, i.e., 01 = July through 12 = June.
ACTG_TMPL_ID	Accounting Template	The accounting template to infer COA elements.	O	Varchar(20)	If provided, the ID must exist on the accounting template page (ACTPL) in IRIS. The accounting template is a weak inference. If a value for a COA element, e.g., APPR_CD, is provided in the XML file it will not be overwritten by a value from the template.

EVNT_TYP_ID	Event Type	The event type determines the types of posting that will be generated for the accounting line.	R	Varchar(4)	"AP01", Authorize Normal Payment, is the most commonly event used on the GAX transaction. There are specific cases, e.g., a revenue refund or a prepaid asset, that will require other values.
LN_AM	Line Amount	The amount to post for the accounting line.	R	Decimal(16,2)	Example: 50.00
RF_TYP	Reference Type	When a GAE accounting line is referenced, the reference type affects how the encumbered amount will be liquidated.	C	Number(1)	Required if a GAE transaction is being referenced. 1 = Partial **(Recommended)** 2 = Final If partial is specified, the encumbrance will be liquidated in the amount of the GAX accounting line. A Final reference will release the entire remaining balance on the GAE line regardless of the GAX amount.
RFED_DOC_CD	Referenced Transaction Code		O	Varchar(8)	"GAE"
RFED_DOC_DEPT_CD	Referenced Transaction Department Code		O	Varchar(4)	The transaction department code value of the referenced GAE. Required for all references.
RFED_DOC_ID	Referenced Transaction ID		O	Varchar(20)	The transaction ID value of the referenced GAE. Required for all references.
RFED_DOC_VERS_NO	Referenced Transaction Version Number		O	Number(2)	The transaction version number of the referenced GAE. Required for all references.

RFED_VEND_LN_NO	Referenced Vendor Line Number		O	Number(10)	The vendor line number to be referenced on the GAE. Required for all references.
RFED_ACTG_LN_NO	Referenced Accounting Line		O	Number(10)	The accounting line number to be referenced on the GAE. Required for all references.
DEPT_CD	Department Code	The department code to be used for financial posting.	R	Varchar(4)	Must be a valid code on the IRIS department table (DEPT).
UNIT_CD	Unit Code	The unit code to be used for the financial posting.	R	Varchar(4)	Must be a valid code on the IRIS unit table (UNIT).
SUNIT_CD	Sub-Unit Code	The sub-unit code to be used for the financial posting.	O	Varchar(4)	If entered, must be a valid code on the IRIS sub-unit table (SUNIT).
FUND_CD	Fund Code	The fund code to be used for the financial posting.	R	Varchar(4)	Must be a valid code on the IRIS fund code table (FUND).
APPR_CD	Appropriation Unit	The appr code to be used for the financial posting.	R	Varchar(9)	Must be a valid code on the IRIS appropriation table (APPR).
LOC_CD	Location Code	The location code to be used for the financial posting.	O	Varchar(4)	If entered, it must be a valid code on the IRIS location code table (LOC).
SLOC_CD	Sub-Location Code	The sub-location code to be used for the financial posting.	O	Varchar(4)	If entered, it must be a valid code on the IRIS sub-location code table (SLOC).
ACTV_CD	Activity Code	The activity code to be used for the financial posting.	O	Varchar(4)	If entered, it must be a valid code on the IRIS activity code table (ACTV).
SACTV_CD	Sub-Activity	The sub-activity code to be used for the financial posting.	O	Varchar(4)	If entered, it must be a valid code on the IRIS sub-activity code table (SACTV).
FUNC_CD	Function Code	The function code to be used for the financial posting.	O	Varchar(4)	If entered, it must be a valid code on the IRIS function code table (FUNC).

SFUNC_CD	Sub-Function Code	The sub-function code to be used for the financial posting.	O	Varchar(4)	If entered, it must be a valid code on the IRIS sub-function code table (SFUNC).
TASK_CD	Task Code	The task code to be used for the financial posting.	O	Varchar(4)	If entered, it must be a valid code on the IRIS task code table (TASK).
STASK_CD	Sub-Task Code	The sub-task code to be used for the financial posting.	O	Varchar(4)	If entered, it must be a valid code on the IRIS sub-task code table (STASK).
RPT_CD	Reporting Code	The reporting code to be used for the financial posting.	O	Varchar(10)	If entered, it must be a valid code on the IRIS reporting code table (RPT).
SRPT_CD	Sub-Reporting Code	The sub-reporting code to be used for the financial posting.	O	Varchar(4)	If entered, it must be a valid code on the IRIS sub-reporting code table (SRPT).
PROG_CD	Program Code	The program code to be used for the financial posting.	O	Varchar(10)	If entered, it must be a valid code on the IRIS program code table (PROG).
PPC_CD	Program Period Code	The program period code to be used for the financial posting.	C	Varchar(6)	If a program code is provided, either the program period or the phase code must be provided. But not both. If entered, it must be a valid code on the IRIS program period code table (PPC).
PHASE_CD	Phase Code	The phase code to be used for the financial posting.	C	Varchar(6)	If a program code is provided, either the program period or the phase code must be provided. But not both. If entered, it must be a valid code on the IRIS phase code table (PHASE).

OBJ_CD	Object Code	The object code to be used for the financial posting.	C	Varchar(4)	Depending on the event type being used, either object code, revenue source code, or balance sheet account code will be required on the accounting line. Object code is required in the majority of use cases. If entered, it must be a valid code on the IRIS object code table (OBJ).
SOBJ_CD	Sub-Object Code	The sub-object code to be used for the financial posting.	O	Varchar(4)	The sub-object can only be entered in combination with an object code. If entered, it must be a valid code on the IRIS sub-object table (SOBJ).
DOBJ_CD	Department Object Code	The department object to be used for the financial posting.	O	Varchar(4)	If a value is provided, the object and sub-object will be inferred. If entered, it must be valid code on the IRIS department object table (DOBJ).
RSRC_CD	Revenue Source Code	The revenue source code to be used for the financial posting.	C	Varchar(4)	Depending on the event type being used, either object code, revenue source code, or balance sheet account code will be required on the accounting line. Object code is required in the majority of use cases. If entered, it must be a valid code on the IRIS revenue source code table (RSRC).
SRSRC_CD	Sub-Revenue Source Code	The sub-revenue source code to be used for the financial posting.	O	Varchar(4)	The sub-revenue source code can only be entered in combination with a revenue source code.

					If entered, it must be a valid code on the IRIS sub-revenue source code table (SRSRC).
DRSRC_CD	Department Revenue Source Code	The department revenue source code to be used for the financial posting.	O	Varchar(4)	If a value is provided, the revenue source and sub-revenue source codes will be inferred. If entered, it must be a valid code on the IRIS department revenue source code table (DRSRC).
BSA_CD	Balance Sheet Account	The balance sheet account to be used for the financial posting.	C	Varchar(4)	Depending on the event type being used, either object code, revenue source code, or balance sheet account code will be required on the accounting line. Object code is required in the majority of use cases. If entered, it must be a valid code on the IRIS balance sheet account table (BSA).
SBSA_CD	Balance Sheet Sub-Account	The balance sheet sub-account to be used for the financial posting.	O	Varchar(4)	The sub balance sheet account can only be entered in combination with a balance sheet account. If entered, it must be a valid code on the IRIS balance sheet sub-account table (SBSA).
SVC_FRM_DT	Service From Date	The date when the goods or services were received.	O	Date	If entered, it must be in "YYYY-MM-DD" format.
SVC_TO_DT	Service To Date	The date when the goods or services were received.	O	Date	If entered, it must be in "YYYY-MM-DD" format.
VEND_INV_NO	Vendor Invoice Number	The number of the vendor invoice being paid.	O	Varchar(55)	If provided, the vendor invoice number will be included in the

					remittance advice on the disbursement.
VEND_INV_LN_NO	Vendor Invoice Line Number	The line number from the invoice being paid.	C	Number(10)	The line number is required if an invoice number is provided.
VEND_INV_DT	Vendor Invoice Date	The date on vendor invoice line being paid.	O	Date	If entered, it must be in "YYYY-MM-DD" format.
ACTG_LN_DSCR	Accounting Line Description	An optional description fields for internal usage.	O	Varchar(100)	
CHK_DSCR	Check Description	An optional description field for the remittance advice.	O	Varchar(250)	

Trailer Record

XML Tag	Description	Required Attributes
TRAILER_RECORD	Required control information to confirm the XML file is in balance and matches expectations.	none

Trailer – Field Detail

Note: All elements in that section require the XML attribute, Attribute="Y". All data values should be enclosed in CDATA sections.

XML Tag	Label	Description	Required/ Optional/ Conditional	Format/ Length	Comments/Rules
RECORD_TYPE	Record Type		R	N/A	Set to "TRL"
FILE_NAME	File Name	The name of the XML file	R	N/A	Set to the filename.
RCD_CNT	Record Count	Control count of items in file	R	N/A	An integer value equal to the number of AMS_DOCUMENT elements in the XML file plus one for the trailer record itself.

					Example: If the file contains three GAX transaction then RCD_CNT value would be 4.
SUM_ACCT1	Control Amount	Control amount of transactions in file	R	N/A	The sum of all the LN_AM amount values in the ABS_DOC_ACTG elements contained in the file. Example: 25324.97

Example GAX File

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<AMS_DOC_XML_IMPORT_FILE VERSION="1.0" EXPORT_DATE="2024-02-26 17:31:24.000000">
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