

**ADML 0032 - Interface Operations  
Guide (IOG)**



**State of Florida  
Project Aspire**

**Interface Operations Guide (IOG) –  
ADML 0032: Budget Journal  
Interface**

**Version 3**

## Introduction

### ***Document Purpose and Organization***

The Interface Operations Guide (IOG) contains the interface specific information required for State of Florida Agencies to integrate with the Aspire system.

Each interface will contain a separate IOG with specific information. The IOG information will include the ADML number, description, file name(s), examples of load reports, frequency, run schedule, error conditions, etc. Additionally, the IOG will contain the file layout for the interface.

General interface information, including interface standards and updates can be found on the Project Aspire website, [http://aspire.dfs.state.fl.us/Technical\\_Corner/](http://aspire.dfs.state.fl.us/Technical_Corner/)

## Budget Journal Interface

<b>Interface ADML Number</b>	ADML 0032
<b>Inbound/Outbound</b>	Inbound
<b>Interface Title</b>	Budget Journal Interface
<b>Interface Description</b>	This is a delivered inbound interface for importing journals to maintain commitment control budget ledgers. The budget upload process is driven by a run control and will be executed on an ad-hoc basis (with the exception of the initial conversion). Edits are not performed during the load process. Rather, the system will perform its edits when the journals are posted. All errors are written to the delivered log file and will be fixed online. If the number of errors is very large, the journals can be deleted and the data fixed at its source. The new file would then be imported again.
<b>Version</b>	Version 3
<b>Aspire Point of Contact</b>	Aspire_Inbox@dfs.state.fl.us
<b>Appropriate Usage</b>	This interface will be used to load all budget journals into Aspire. This includes Appropriation, Release, Trust Fund Estimated Revenues, Expenditure/Revenue Management and Project/Grant budgets.
<b>Source System/ Organization</b>	LAS/PBS System / Agencies
<b>Destination System/ Organization</b>	Aspire / DFS
<b>Business Process Area</b>	Record to Report
<b>Frequency</b>	As needed.
<b>Run Schedule</b>	Interface can be run on a regular scheduled basis (nightly) or adhoc if needed.
<b>File Name(s)</b>	<Instance>.< I0032XXX >.<GLBU>.<DEPTID>.<YYMMDDHHmmss>
<b>Interface Load Report(s)</b>	<Instance>.< I0032XXX >.<GLBU>.<DEPTID>.<YYMMDDHHmmss>_LOG.TXT
<b>Report Manager Folder</b>	Budget Journal Interface
<b>Navigation Path</b>	Commitment Control > Budget Journals > Import Batch Budget Journals
<b>Other Reference Documents</b>	<a href="http://aspire.dfs.state.fl.us/Technical_Corner/docs/Agency_Interface_Processing_Standards_Load_Error.pdf">http://aspire.dfs.state.fl.us/Technical_Corner/docs/Agency_Interface_Processing_Standards_Load_Error.pdf</a>

**ADML 0032 Field Standards**  
**Alphanumeric (CHAR), Numeric (NUM&SIGN) and Date Fields**

<b>Data Type</b>	<b>Field Positioning</b>	<b>Field Padding</b>	<b>Example</b>
CHAR/n	Left Justified	Space filled on right	A1B3...
NUM/n	Right Justified	Zero Filled on left	00001 for 1
SIGN/n.m	Right Justified Sign (+,- or space) in position 1	Space filled on left	1 byte for the sign (- or blank) + ' n' bytes for integer positions + 1 byte for the decimal point + 'm' bytes for decimal positions.
DATE/8	N/A	N/A	Format: MMDDYYYY  07262006

### Record Layout

(Data Type: CHAR – Alphanumeric; NUM/NBR – Numeric; SIGN – Signed Numeric; DATE – Date; DTIME – Date & Time)

Header Record – Required (Target Table: KK\_BD\_HD\_IMP)

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
1	Record_Type	A	Record Type: Indicates the type of file being submitted	CHAR/1	1	1	Required	H	Set this value to 'H'	N	H = Header L = Detail
2	KK_BUDG_Tran_Type	A	Budget Entry Type: indicates the type of budget entry being made. This allows users to report on budget journal entry activity.	CHAR/1	2	2	Required	Values Are: 0 = Original 1=Adjustment 2 = Transfer Adjustment 3 = Transfer Original Forward	Enter a valid budget entry type.	N	Each budget journal header row and each budget ledger row carries one of these budget entry types. The <i>Closing</i> and <i>Roll Forward</i> budget entry types are created

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
											by the Budget Close process.
3	Business_Unit	E	Business Unit: represents an Agency, Department, or Commission that is defined by Statute or established by the need for a separate set of balanced books. It will be the financial reporting entity within the General Ledger	CHAR/5	3	7	Required	Valid values from BUS_UNIT_T BL_GL. BUSINESS_UNIT		N	
4	Journal_Id	A	Journal ID - Identifies a journal entry, consisting of a header and one or more lines. The Journal ID itself does not have to be unique, but together with the journal business unit and journal date, it forms a unique journal identifier.	CHAR/10	8	17	Required	'NEXT' or agency assigned (left justified)	If the agency assigns the journal ID, then care must be taken not to reuse the journal id with the same journal date. The keys to the journal header are Business Unit, Journal ID, and	N	

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
									Journal Date.		
5	Journal_Date	D	Journal Date - Specifies the date the journal was created.	DATE/8	18	25	Required		MMDDYYYY	N	
6	Ledger_Group	A	Ledger Group: a group of ledgers to be updated with the information in the journal entry	CHAR/10	26	35	Required	Some Valid Values Include: APPRO P=Appro Budget, PG_CH ILD=Proj/Grnt Child Budget, PG_PA RENT=Parent Budget, RELEA SE=Release Budget.	This is the budget that you are uploading to. For instance, FWC's management budget is called '77_MGMT'. This is the value that goes into this field if FWC is updating the management budgets.	N	Because the ledger group (Budget type) is at the header level, then every line related to the header must be for the same budget type.

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
7	Descr	H	Description: any descriptive information about the transaction.	CHAR/30	36	65	Optional		Description should be provided with all transactions	N	It is a good idea to populate this field whenever possible.
8	Foreign_Currency	F	Foreign Currency Code: currency code utilized for the transaction.	CHAR/3	66	68	Required	USD	Set this value to 'USD'	N	There are currency codes for most foreign countries (eg. JPY = Yen, USD = US Dollar)
9	Rt_Type	F	Rate Type - Defines a category of market rates for currency conversion. Some examples of rate types are commercial, average, floating, and historical.	CHAR/5	69	73	Optional	CRRNT	If blank it defaults to 'CRRNT'.	N	
10	Cur_Effdt	D	Currency Effective Date: the transaction row's currency	DATE/8	74	81	Required	Same as Journal	MMDDYYYY	N	

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
			effective date					Date			
11	Rate_Mult	D	Rate Multiplier: The Currency Conversion Utility uses rate multiplier and rate divisor values to convert currency amounts.	SIGN/7.8	82	98	Required		Set this value to  '_0000001.00000000' 1 byte for the sign (- or blank) + 7 bytes + 1 byte for the decimal point + 8 bytes	N	

Detail Record – Required (Target Table: KK\_BD\_LN\_IMP)

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
1	Record_Type	A	Record Type: Indicates the type of file being submitted	CHAR/1	1	1	Required	L	Set this value to 'L'	N	H = Header L = Detail
2	Journal_Line	A	Journal Line Number: Uniquely identifies a journal line with a sequence number. Within a single journal entry, the line sequence begins with 1 and automatically increments by 1 for each succeeding journal line.	NUM/9	2	10	Required	Integers beginning with 1 and incrementing by 1	The journal line must be assigned in the file. The upload program will not assign it. The first line record for a header is 1. The next is 2 and so on.	N	There can be any number of lines associated with a journal header.
3	Account	E	Account	CHAR/10	11	20	Optional	Valid values stored in GL_ACCO UNT_TBL	Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	<b>Display length is 8, real field length is 10.</b>
4	Altacct	G	Alternate Account	CHAR/10	21	30	Optional	Valid values stored in ALTACCT	Required if this is a key chartfield on the budget ledger group. <b>Value must</b>	N	<b>Display length is 8, real field length is 10.</b>

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
								_TBL	be valid for use with the specified Account. Otherwise fill with spaces.		
5	Deptid	G	Organization (Org/IBI)	CHAR/10	31	40	Optional	Valid values stored on FL_ORG_BUGL_VW	Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	Display length is 7, real field length is 10.
6	Operating_Unit	G	Budget Entity: represents a self-balancing set of books	CHAR/8	41	48	Optional	Valid values stored on OPERUNT_BUGL_VW	Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	
7	Product	E	Category	CHAR/6	49	54	Optional	Valid values stored on PRODUCT_BUGL_VW	Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
8	Fund_Code	G	Fund/CC: A self balancing set of books	CHAR/7	55	61	Optional	Valid values stored on FUND_BUGL_VW	Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	
9	Class_Fld	G	Location CF	CHAR/10	62	71	Optional	Valid values stored on CLASSCF_BUGL_VW	Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	
10	Program_Code	E	(Appropriation Year)	CHAR/4	72	75	N/A	Valid values stored on PROGRAM_BUGL_VW	Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	
11	Budget_Ref	E	Activity Issue	CHAR/8	76	83	Optional	Valid values stored in BUD_REF_BUGL_VW	Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
12	FILLER (Affiliate)	I	FILLER	CHAR/5	84	88	N/A	Valid values stored on AFFILIATE_VW	These are inter/intra unit balancing chartfields. Do not use these fields as they are used by the system. Fill this field with blanks.	N	
13	FILLER (Affiliate_Intra1)	I	FILLER (Fund Affiliate)	CHAR/10	89	98	N/A	Valid values stored on AFFINTRA1_BU_VW	These are inter/intra unit balancing chartfields. Do not use these fields as they are used by the system. Fill this field with blanks.	N	
14	FILLER (Affiliate_Intra2)	I	FILLER (BE Affiliate)	CHAR/10	99	108	N/A	Valid values stored on AFFINTRA2_BU_VW	These are inter/intra unit balancing chartfields. Do not use these fields as they are used by the system.	N	

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
									Fill these positions with blanks.		
15	Chartfield1	G	The field use and values will be left to the discretion of each agency.	CHAR/10	109	118	Optional	Valid values stored in CF1_BUGL_VW	Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	
16	Chartfield2	G	The field use and values will be left to the discretion of each agency.	CHAR/10	119	128	Optional	Valid values stored in CF2_BUGL_VW	Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	
17	Chartfield3	E	Program Component	CHAR/10	129	138	Optional	Valid values stored in CF3_BUGL_VW	Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	
18	Business_Unit_PC	G	PC Business Unit: an independent transaction processing entity for project costing.	CHAR/5	139	143	Optional		Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	If the Project_ID field is populated, then the Business

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
											Unit PC and Activity_ID fields must also be populated.
19	Project_ID	G	Project: The purpose of this field is to identify all project and grant related transactions.	CHAR/15	144	158	Optional		Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	If the Project_ID field is populated, then the Business Unit PC and Activity_ID fields must also be populated.
20	Activity_ID	G	Projects Activity ID: a breakdown or categorization of Project/Grant financial activity.	CHAR/15	159	173	Optional		Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	If the Project_ID field is populated, then the Business Unit PC and Activity_ID fields must

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
											also be populated.
21	Resource_Type	G	Projects Resource Type: You assign resource types to individual transactions to identify the transaction's purpose	CHAR/5	174	178	Optional		Required if this is a key chartfield on the budget ledger group. Otherwise fill with spaces.	N	If the Project_ID field is populated, then the Business Unit PC and Activity_ID fields must also be populated.
22	Budget_Period	E	Budget Period: A budget period represents a time segment that the system uses to divide budgets.	CHAR/8	179	186	Optional	Valid values are in CAL_BPS_TBL	Required if there is a calendar associated with the budget ledger group. Otherwise fill with spaces.	N	Examples of Budget Period Include: 2001 = 7/1/00-6/30/01 2002 = 7/1/01-6/30/02 2003 = 7/1/01-

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
											6/30/03
23	FILLER (Statistics_Code)	E	FILLER	CHAR/3	187	189	N/A		Fill these positions with blanks.	N	
24	FILLER (Statistic_Amount)	D	FILLER	NUM/17 (SIGN 13.2)	190	206	N/A		Fill these positions with zeroes.	N	
25	Foreign_Currency	E	Foreign Currency Code: currency code utilized for the transaction.	CHAR/3	207	209	Required	USD	Set this value to 'USD' Enter same foreign currency code as entered on header record.	N	
26	Foreign_Amount	D	Foreign Currency Amount: The amount in the entry currency (same as monetary amount)	SIGN/23.3	210	237	Required	Budget line amount	1 byte for the sign (- or blank) + 23 bytes + 1 byte for the decimal point + 3 bytes  Same as Monetary Amount	N	

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
27	Jrnl_Ln_Ref	B	Journal Line Reference: this is a 10 character free form field for agency use on each journal line.	CHAR/10	238	247	Optional		Enter agency desired information or fill these positions with blanks	Y	This field can be used to reference a source document or other reference number
28	Line_Descr	B	Description. - Describes the nature of a journal line. It is defaulted from the description of the Account ChartField or manually entered.	CHAR/30	248	277	Optional		Enter agency desired information or fill these positions with blanks	Y	This field can be used to provide a 30 character description of this particular journal line. This is a separate description from the description field on the header.
29	Rt_Type	E	Rate Type - Defines a category of market rates for	CHAR/5	278	282	Optional	CRRNT	Set this value to 'CRRNT', if	N	

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
			currency conversion. Some examples of rate types are commercial, average, floating, and historical.				al		entered. Otherwise fill with spaces.		
30	Rate_Mult	E	Rate Multiplier: The Currency Conversion Utility uses rate multiplier and rate divisor values to convert currency amounts.	SIGN/7.8	283	299	Optional		Set this value to ‘_0000001.00000000’ 1 byte for the sign (- or blank) + 7 bytes + 1 byte for the decimal point + 8 bytes	N	
31	Monetary_Amount	D	Base Currency Monetary Amount: the amount for that line of the journal	SIGN/23.3	300	327	Required	Budget line amount	1 byte for the sign (- or blank) + 23 bytes + 1 byte for the decimal point + 3 bytes	N	
32	FILLER (Entry_Event)	E	FILLER	CHAR/10	328	337	N/A		Fill these positions with blanks.	N	
33	FILLER (KK_Cum_Begin_	D	FILLER	DATE/8	338	345	N/A		Fill these positions with blanks.	N	

	Field Name	Field Value Type	Field Description	Format, Type & Length	Start	End	Required/Optional	Valid Values	Processing Rules	Available for Agency Use Y/N	Additional Information
	Dt)										
34	FILLER (KK_Cum_End_Dt)	D	FILLER	DATE/8	346	353	N/A		Fill these positions with blanks.	N	
35	FILLER (Fund_Source)	B	FILLER	CHAR/6	354	359	N/A		Fill these positions with blanks.	N	
36	FILLER (Journal_Class)	A	FILLER	CHAR/10	360	369	N/A		Fill these positions with blanks.	N	

**Errors**

Error No.	Error Conditions	Code Execution
1	File does not exist	Exit. Create error log file (delivered).
2	Empty File	Exit. Create error log file (delivered).

**Interface Load Report(s):**

<Instance>.< I0032XXX >.<GLBU>.<DEPTID>.<YYMMDDHHmmss>\_LOG.TXT

a) **Sample Input file :**

H080000NEXT	02222006800_PG_CHDTest	Project	Upload
USDCRRNT022220061.00000			
L000000001			
80000000000000000002FEDERAL_I	AFTSC	USD	-100000.00
CRRNT	1.0	100000.00	
L000000002			
80000000000000000002FEDERAL_I	AFTSC	USD	-200000.00
CRRNT	1.0	200000.00	
L000000003			
80000000000000000002FEDERAL_I	AFTSC	USD	-300000.00
CRRNT	1.0	300000.00	

b) **Log file of a Journal successfully imported.**

LEDGER GROUP : 800\_PG\_CHD  
 BUDGET AUTHORITY :  
 Processing Business Unit: 80000 Ledger Group: 800\_PG\_CHD  
 Processing Completed Successfully with 1 journals imported.  
 Imported these journals (Journal ID) : 00000000396

### Miscellaneous Processing Notes

- The input file structure for this interface consists of header and detail records.
- Each header record can have from one to many detail records. Agencies should attempt to group their detail line records into as few header records as possible.
- The inbound file format is fixed and will not vary with the type of budget being loaded (LAS/PBS Appropriation, Release, Trust Fund Estimated Revenues, Expenditure/Revenue Management and Project/Grant Budgets).
- This Interface will read the Budget Journal data from the input data file and loads it into the financial system. The delivered process KK\_JRNL\_IMP should be utilized to load the data from the agency file into Corresponding File Layout Objects KK\_BD\_HD\_IMP and KK\_BD\_LN\_IMP and then insert into KK\_BUDGET\_HDR and KK\_BUDGET\_LN. All Validations are performed after they are imported.
- Load the Budget Journals using the delivered process KK\_JRNL\_IMP with multi file processing logic implemented. The process put the data in its corresponding file layout objects KK\_BD\_HD\_IMP and KK\_BD\_LN\_IMP and then inserts data into KK\_BUDGET\_HDR and KK\_BUDGET\_LN.
- The incoming file should match the File layout.
- Edits are not performed during the load process.

## Revision History

Revision Schedule			
Number	Date	Designer	Comments
1	3/29/2006	Ramakrishna Kasali	Alter for new COA design / Alter for ADML0046 being deleted
2	5/1/2006	Ramakrishna Kasali	File layout Alter for Class Field Length Change from 5 to 10.
3	8/28/2006	Ramakrishna Kasali	<p>IOG Updated as per Remediation Exchange Information (RIX) standards.</p> <ul style="list-style-type: none"> <li>a) Added field standards Table with Data Type, Field PADDING AND Example Columns.</li> <li>b) Added field Value type and serial number columns to the record layouts.</li> <li>c) Added reference to document (Agency_Interface_Processing_Standards_Load_Error.pdf) in page-4.</li> </ul>