

2.0 Appendix A – Project Aspire Conversion/Interface Functional Design

ADML ID	021
ADML Description	Valid Chart of Account Values Interface to MFMP
ADML Tech #	021

2.1 Description Functionality

MyFloridaMarketPlace (MFMP) needs to receive data with all of the valid chartfield values and related information from the Aspire application. These chartfield values are required to complete the accounting information in MFMP, on requisitions, purchase orders, vouchers and contracts. This accounting data is sent back to Aspire via these transactions.

Based on a decision from the General Manager Group, during the Dec. 2, 2004 meeting, the method that will be used by MFMP to select valid chartfield values for requisitions, purchase orders, vouchers and contracts, will be to build the chartfield values and validation logic into the MFMP application, wherever possible. This method will require the development of new COA pages and the validation logic within the MFMP application. This method also requires that Aspire send the required data, (chartfield values and logic supporting data), from the Aspire application to the MFMP application and MFMP to load this data in a timely manner.

Flat Files

Three sections of information for any one chartfield will sufficiently define each value: Section 1) the tables (or views) containing the actual chartfield values; Section 2) the tables (or views) containing the data required to support the edit validation logic in the MFMP application; and Section 3) the data, which will be required in the MFMP application, to ensure that the correct operator security is enforced based on the operator ID. MFMP will be responsible for mapping of their Operator ID's to Aspire Operator ID's.

Section 1: The chartfield value tables or views; every value for each chartfield, and its associated descriptions, effective date, and status will be pulled from Aspire's tables and sent to MFMP through flat files.

MFMP will load this data, making the appropriate additions/updates in their system. Historical data will not be saved in MFMP; any changes made will just overwrite the previous data. Values that have become inactive since the last load will be marked as inactive in MFMP. If a value is being sent to MFMP for the first time, and is already in Inactive status, MFMP will not load the value.

The list of the identified chartfield values are listed below:

Label	Field Name	Field Length
Business Unit (GL BU)	BUSINESS_UNIT	5
Fund CC	FUND_CODE	7
Budget Entity (BE)	OPERATING_UNIT	8
Category	PRODUCT	6
Appropriation Year	PROGRAM_CODE	4
Account	ACCOUNT	10
Alt Acct	ALTACCT	10
Org	DEPTID	10
Program Component	CHARTFIELD3	10
Location	CLASS_FLD	10
Activity Issue	BUDGET_REF	8
Chartfield 1	CHARTFIELD1	10
Chartfield 2	CHARTFIELD2	10
Project Business Unit (PC BU)	BUSINESS_UNIT_PC	5
Project	PROJECT_ID	15
Activity ID	ACTIVITY_ID	15

Label	Field Name	Field Length
Source Type	RESOURCE_TYPE	5
Category	RESOURCE_CATEGORY	5
Subcategory	RESOURCE_SUB_CAT	5

Section 2: Aspire will provide all the data necessary for MFMP to perform the same validation logic on the chartfield values that would occur online in Aspire. This refers to any special BU filtering rules or chartfield dependencies. This does not include combination edit rules or budget- checking logic, these rules will be applied when the transaction is sent to Aspire. . The rules and dependencies include the following:

- (1) The Item Category (Commodity Code) to Account mapping will be sent so that MFMP can automatically populate a default Account value based on the Item Category entered.
- (2) Account/Alt Account: The file should provide the appropriate data based on this relationship.
- (3) The Account attributes (including 1099 attributes) will be sent so that users in MFMP can view these values when select the Account.
- (4) Project BU and Project Chartfields: The Interface output file should provide the project chartfields as they relate to a particular Project BU /Project ID. Project Chartfields are Project ID, Activity ID, Source Type, Category, and Subcategory. This should include the Project BU options that identify which of these chartfields are required by the BU.
- (5) The Chartfields that will be filtered by an Agency-Specific GL BU are: Fund/CC, BE, Alt Acct, Org, Location, Chartfield 1, Chartfield 2, and Activity Issue.

To support this requirement, the Aspire team will have to create new views. The new views include FL_GL_ACCT_VW for selecting Account values, FL_ORG_MFM_VW for extracting Org Values, FL_SET_CNTRL_VW for selecting SetID values for referenced Table/View, FL_SP_BUPCGL_VW for extracting BU values, FL_CF_ATTRIB_VW for the Account Attributes, FL_SP_BUPCGL_VW for extracting Project BU values, and FL_CAT_MFMP_VW for extracting the Item Category and Account mapping. The complete list of tables or views will be listed in the Technical Design document.

MFMP will be responsible for building the appropriate validation logic into their new COA pages so that this data will be filtered appropriately for the user while creating P2P transactions. The following table summarizes the logic necessary in MFMP to mimic Aspire’s online logic from a functional perspective:

PS FIELD NAME	NEW VALUES				
	Label	Length	Filter	SetID	Required
BUSINESS_UNIT	GL Business Unit	5	OprID	n/a	Always
OPERATING_UNIT	Budget Entity	8	SetID	BU	Always
BUDGET_REF	Activity Issue	7	SetID	BU	Conditional(If required by Agency Combo Edit)
FUND_CODE	Fund CC	7	SetID	BU	Always
PRODUCT	Category	6	SetID	SHARE	Always
ACCOUNT	Account	8	SetID	SHARE	Always
ALTACCT	Alternate Account	8	Account & SetID	BU	Always
DEPTID	Organization	7	OprID & SetID	BU	Always
CHARTFIELD1	Chartfield 1	10	SetID	BU	Conditional(If required by Agency Combo Edit)
CHARTFIELD2	Chartfield 2	10	SetID	BU	Conditional(If required by Agency Combo Edit)
CHARTFIELD3	Program Component	10	SetID	SHARE	Always
CLASS_FLD	Location	5	SetID	BU	Conditional(If required by Agency Combo Edit)
PROGRAM_CODE	Appropriation Year	4	SetID	SHARE	Always
BUSINESS_UNIT_PC	Project Business Unit	5	OprID	SHARE	No
PROJECT_ID	Project ID	15	Proj BU	n/a	Conditional (Rqd if Proj BU entered)
ACTIVITY_ID	Activity	15	Proj BU & Project ID	n/a	Conditional (Rqd if Proj ID entered)
RESOURCE_TYPE	Source Type	5	SetID	BU	Conditional (Rqd based on Proj BU setup)
RESOURCE_CATEGORY	Category	5	SetID	BU	Conditional (Rqd based on Proj BU setup)

RESOURCE_SUB_CAT	Subcategory	5	SetID	BU	Conditional (Rqd based on Proj BU setup)
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Section 3: Aspire will provide the necessary data based on the Operator ID that MFMP needs to build some basic user security edits. Through the Interface flat files, Aspire will send the valid GL, PC BU's, and Org Codes for each user. To accomplish this, Aspire will need to create several new views that contain this data. The MFMP application team will be responsible for identifying the Aspire tables (or views) which contain the data required to perform validation logic and chartfield values.

MFMP will be responsible for building the appropriate validation logic into their new COA pages so that this data will be validated against the user's Operator Id while creating P2P transactions.

Process and Infrastructure

To extract the valid data from the tables and generate these flat files, Aspire will need to create a new batch process that pulls the data, creates the files using the correct naming convention, and places them in the appropriate location on the server. The infrastructure team then needs to ensure that these files are formatted correctly and moved to a special location for MFMP to have access. These processes should occur seamlessly on a nightly basis and should not require user intervention. MFMP will schedule a time in their nightly batch process to pick up these files and refresh their chartfield values with the information provided.

2.2 Scheduling

This batch process should be run on a scheduled nightly basis. Aspire's nightly batch processing will occur Monday – Friday, with the exception of certain holidays.

2.3 Run Control Parameters

The Run Control will include the Effective Date to ensure the very latest values get sent to MFMP during the nightly batch process.

2.4 Unit Test Considerations

- The interface will need to be tested to ensure the flat files contain the correct values, descriptions, effective dates, effective status, etc.
- The interface will need to be tested to ensure the flat file contains the correct data for all the required validation logic.

- The interface will need to be tested to ensure the flat file contains the correct data for all Operator ID validations.
- The interface data will need to be tested in conjunction with MFMP P2P transactions to ensure valid chartfield values are being selected and filtering rules/chartfield dependencies are being applied.
- Interface files should be validated and tested as per the specifications in IOG.

2.5 Miscellaneous

- The Account and Category values sent to MFMP will only include the values found on the P2P Node from the appropriate trees in Aspire.
- For all the effective-dated Chartfields, Aspire will send only the most current effective-dated row. These type of files will also include the Effective status and Aspire will send both Active and Inactive values. (The technical spec identifies which files will be sent with effective date.)
- Any files sent without an effective date will only include active values. (The technical spec identifies which files will be sent without effective date.)
- The final list of the tables and views will be completed and available in the technical specifications.
- The Org Row Level security is an enhancement from the Aspire application team. The Aspire application team will work with the MFMP team to transfer the validation logic and data requirements knowledge.

2.6 Assumptions

- 1) The Aspire team will create new tables/views and batch processes to support this requirement.
- 2) The MFMP team will create special COA pages with the appropriate validation logic on all required P2P transactions.
- 3) Aspire team will work in conjunction with MFMP team to determine the data required to provide correct logic in the MFMP application
- 4) If decided that there are additional chartfield dependencies or filtering rules in the Aspire application that can be applied to MFMP's validation logic, this information will be added to the flat files and processed appropriately.

- 5) The chartfield labels (the name describing the field i.e., the Department ID field's label is Org), will not be sent as part of the interface, (MFMP will already have the label corresponding to each chartfield value).
- 6) The valid PeopleSoft Operator IDs and the corresponding MFMP operator ID mapping will be performed in the MFMP application and is not part of this interface.
- 7) The infrastructure team will be responsible for providing the automated processing to format and transfer the flat files to a server location that is accessible for MFMP.
- 8) Aspire users will not have access to Correct History mode on the Chartfield pages. Any changes to a record will need to be done by adding a new effective-dated row.

2.7 Record Layout

Please refer to the technical design specification which contains the complete and valid list of tables/views and related fields.