

2.0 Appendix A – Project Aspire Conversion/Interface Functional Design

ADML ID	765
ADML Description	Project Master File – Inbound Interface
ADML Tech #	192

2.1 Description Functionality

Historically, Florida state agencies have utilized customized standalone software to manage sponsored grants and projects.

It is anticipated that many agencies will continue using their shadow systems to manage Projects. However, since Aspire will be the system of record, all Project information must be uploaded into the new PeopleSoft application. The Projects Master File inbound interface will have required fields that agencies must bring into Aspire. This requirement will facilitate enterprise level functions such as reporting and coding grant related transactions. Additional optional fields will be available for agencies to use at their discretion. Each State agency will be responsible for changing their systems to create updated files in the new file layout. With the help of the Projects/Grants Team, Agencies will also be responsible for identifying which of the optional fields within the interface tables will be uploaded into Aspire for their benefit.

The Projects Master File inbound interface program will upload non-grant related Project and Activity related data from State agencies. Grant related projects will use the Grants interface process (ADML #154). This interface either adds or updates Project/Activity data. The first step in the interface will validate if the incoming PROJECT_ID already exists in Aspire. If PROJECT_ID is contained in the PROJECT table, then the interface updates attributes in the PROJECT, PROJECT_MGR, PROJECT_STATUS, and DESCR tables. If the incoming PROJECT_ID is NOT contained in PROJECT, then the interface will add information to INTFC_PROJ_GEN and INTFC_ACT_GEN. Then, a delivered application engine, PC_INTF_GEN, will appropriately load the Project and Activity tables.

The following tables are loaded by the PC_INTF_GEN application engine:

PROJECT	PROJECT_DESCR	PROJECT_STATUS
PROJECT_MGR	PROJ_LOCATION	PROJECT_TEAM
PROJECT_SCHED	PC_AM_RULE_PRJ	PROJ_ACTIVITY
PROJ_ACT_DESCR	PROJ_ACT_LOC	PROJ_ACT_STATUS
PROJ_QUALITY	PC_AM_RULE_ACT	

2.2 Scheduling

The inbound interface will be scheduled to run either nightly, weekly, or monthly depending on each agency requirement.

2.3 Run Control Parameters

Interface / Conversion Parameters	
<i>Parameters (Required)</i>	<i>Possible Values (Prompt Table)</i>
Path and File Name	
<i>Parameters (Optional)</i>	<i>Possible Values</i>

2.4 Unit Test Considerations

Ensure that Project ID is populated based on the PG-08 (ADML 165) functional specification requirements (see Miscellaneous section for embedded spec).

- The modification will pre-populate the first four characters of the Project ID field with the first four characters of the corresponding PC BU.
- In Add mode, modify PeopleCode to allow user to enter only 11 digits in the Project ID field. Thus, Project ID will be a derived field combining the first four (4) PC BU characters with the 11 digits entered in add mode.
- Disable NEXT auto numbering functionality for the Project ID field.
- After the save process is complete, Project ID should function the same as delivered PeopleSoft functionality; being a 15 character field.
- If an incoming Project ID contains the first four characters of its PC BU, then a validation will occur to allow the Project ID to be entered without duplicating the first four digits.
- After loading the incoming interface data, navigate to the appropriate PeopleSoft pages pertaining to Project Costing. Upon entering the Project number, the pages should come up correctly. Match the interface information with what is displayed on the pages.
- Change a field value and save the project. The information should be saved without any errors.
- Load a project with an invalid value and verify error is listed on error report.
- Add a project having a project type that requires a CSFA. Leave the CSFA field blank. Verify that all records related to the project are rejected.
- Add a project having a project type that requires a CSFA and a valid CSFA value. Verify that all records related to the project are added successfully.
- Add a project having a project type that does not require a CSFA. Leave the CSFA field blank. Verify that all records related to the project are added successfully.

2.5 Miscellaneous

- Agencies will bring in a maximum of 11 characters for the Project ID field. A four digit prefix is combined with the 11 digits provided by an agency to derive the 15 character Project ID field (See ADML 165).
- A standard process report will be generated that lists the process information and lists out all the interface records that were processed (successfully or not).

2.6 Assumptions

- The Aspire Project team is responsible for identifying the Projects/Activities attributes that are needed to populate project/activity related information into PeopleSoft (Aspire).
- The technical interface team will provide the agencies the inbound file layout. Each agency is responsible for mapping their data to the provided layout. Source tables in the Interface Table below may differ based on each State Agency. It is anticipated that many agencies will choose to interface from their individual shadow systems.
- The interface supports both ADD and UPDATE capability. However, the update functionality (PROJECT, PROJECT_MGR, PROJECT_STATUS, and DESCR tables) will be limited to specific attributes. Changes other than the available update fields will be made in Aspire.
- All non-grant related projects will be uploaded via this interface. Grant related projects will be uploaded via the Grants Master File Inbound interface.
- All required fields must be populated as a single unit. If there is an error at any point of the interface, all records pertaining to that project should be rejected and written to the error report.
- The Project Master File Inbound Interface will incorporate the CSFA/Project Type edit (See ADML 1919).

2.7 Record Layout

The Interface Requirements table below includes field information for three tables: INTFC_PROJ_GEN, INTFC_ACT_GEN, and PROJECT. As stated in the Description Functionality section, if the inbound PROJECT_ID exists in Aspire, then update specific PROJECT attributes. These PROJECT fields (UPDATE only) are listed at the end of the Interface Requirements table, and contain “Updates” in the Processing Rules column. Every other field is either in the INTFC_PROJ_GEN or INTFC_ACT tables. These tables only get populated if the incoming PROJECT_ID is not in Aspire (ADD).

Below is a key of the terms contained within the Interface Requirements Table:

- Sourcesys.table.field = State Agency
 - The source table may vary per State Agency. Agencies are responsible for mappings to the target fields.
- Sourcesys.table.field = N/A
 - Source table mapping not required.
- Selection Criteria = Required
 - The attribute is mandatory and is required to exist in the input file.
- Selection Criteria = Optional
 - The attribute is not required for this interface. Since agencies may use these fields at their discretion, these fields are contained in the file layout.
- Selection Criteria = Not used in file layout
 - The attribute is being displayed in this functional spec for informational purposes, but this field is not contained in the technical team’s interface file layout.
- Processing Rules = Updates
 - These attributes are for update only. This occurs when the incoming Project ID already exists in the PROJECT table.

Conversion/Interface Requirements						
Sourcesys.table.field	Field Format / Length	Selection Criteria	Processing Rules	Comments	Targetsys.table.field	Field Format / Length
Agency	CHAR/3	Required	PRJ='PROJECT Details'		RECORD-ID	CHAR/3
Agency	Num / 8	Required	Get next Interface ID from INTFC_PROJ_GEN record	Interface ID	FL_INTFC_PROJ_GEN.INTFC_ID	Num / 8
Agency	Num / 8	Required	Number Sequentially starting with 1	Interface Line Number	FL_INTFC_PROJ_GEN.INTFC_LINE_NUM	Num / 8
Agency	Char / 5	Required; Must be a value from the SP_BU_PC_NONVW table		Business Unit	FL_INTFC_PROJ_GEN.BUSINESS_UNIT	Char / 5
Agency	Char / 15	Required	This is a new Project. Limit value to 11 characters and auto append the first 4 characters of corresponding Business Unit. If 15 characters are sent, validate the first 4 = first 4 characters of corresponding PC BU. If these do not equal, reject this upload.	Project ID	FL_INTFC_PROJ_GEN.PROJECT_ID	Char / 15

Agency	Char / 15	Required; Must be a value from the PC_INT_TMPL table.		Identifies the integration template used for integration between this specific project and other financial applications	FL_INTFC_PROJ_GEN.INTEGRATION_TMPL	Char / 15
Agency	Char / 30	Required		Project description	FL_INTFC_PROJ_GEN.DESCR	Char / 30
Agency	Char / 5	Required; Must be a value from the PROJ_TYPE_TBL table.		Project Type	FL_INTFC_PROJ_GEN.PROJECT_TYPE	Char / 5
Agency	Char/5/	Filler		Asset Management Business Unit	FL_INTFC_PROJ_GEN.BUSINESS_UNIT_AM	Char/5/
Agency	Char / 254	Optional	Project description.	Long Description	FL_INTFC_PROJ_GEN.DESCR254	Char / 254
Agency	Date / 10	Required if LOCATION is populated	If null then set to START_DT; if START_DT is null then set to current date	Effective date of the project location.	FL_INTFC_PROJ_GEN.LOCATION_EFFDT	Date / 10
Agency	Num / 3	Required if LOCATION is populated	Set to "1", then increment for multiple locations for a single project.	Project location effective sequence or project status effective sequence.	FL_INTFC_PROJ_GEN.EFFSEQ	Num / 3

Agency	Char / 10	Optional; Must be a value from the LOCATION_TBL table.		Location	FL_INTFC_PROJ_GEN.LOCATION	Char / 10
Agency	Char / 15	Optional; Valid value from PROJ_ROLE record. Current values are PROJECT_MANAGER, GRANT_MANAGER, and TEAM_MEMBER		Project manager's role	FL_INTFC_PROJ_GEN.PROJ_ROLE	Char / 15
Agency	Date / 10	Required if PROJECT_MANAGER is populated	If null then set to START_DT; if START_DT is null then set to current date	Project manager's effective date.	FL_INTFC_PROJ_GEN.MANAGER_EFFDT	Date / 10
Agency	Char / 11	Optional; Must be valid value from PROJ_MGR_VW record		Project Manager	FL_INTFC_PROJ_GEN.PROJECT_MANAGER	Char / 11
Agency	Date / 10	Optional	If null then set to START_DT; if START_DT is null then set to current date	Project manager's start date.	FL_INTFC_PROJ_GEN.MANAGER_START_DT	Date / 10
Agency	Date / 10	Optional	If null then set to 12/31/2025	Project manager's end date.	FL_INTFC_PROJ_GEN.MANAGER_END_DT	Date / 10
Agency	Date / 10	Required	If null then set to START_DT; if START_DT is null then set to current date.	Project status effective date	FL_INTFC_PROJ_GEN.STATUS_EFFDT	Date / 10

Agency	Char / 1 Alpha	Required; Valid value from Project Status table. (PROJ_STATUS_TBL)		Project status	FL_INTFC_PROJ_GEN.PROJECT_STATUS	Char / 1 Alpha
Agency	Date / 10	Filler			FL_INTFC_PROJ_GEN.START_DT_2	Date / 10
Agency	Date / 10	Filler			FL_INTFC_PROJ_GEN.END_DT_2	Date / 10
Agency	Date / 10	Required		Project start date	FL_INTFC_PROJ_GEN.START_DT	Date / 10
Agency	Date / 10	Required		Project end date	FL_INTFC_PROJ_GEN.END_DT	Date / 10
Agency	Num / 3.2(7)	Optional	Percent project is complete	Percent Complete	FL_INTFC_PROJ_GEN.PERCENT_COMPLETE	Num / 3.2(7)
Agency	CHAR/15 /	Filler			FL_INTFC_PROJ_GEN.SCHEDULE_TYPE	CHAR/15/
Agency	CHAR/1/	Filler			FL_INTFC_PROJ_GEN.SCHEDULE_STATUS	CHAR/1/
Agency	CHAR/30 /	Filler			FL_INTFC_PROJ_GEN.SCHEDULE_DESCR	CHAR/30/

Agency	Date / 10	Filler			FL_INTFC_PROJ_GEN.FROM_DT	Date / 10
Agency	Date / 10	Filler			FL_INTFC_PROJ_GEN.TO_DT	Date / 10
Agency	Char / 10	Required if Project has a project type that requires CSFA number; Validate against CSFA record: FL_CSFA_TBL.	If PROJECT_TYPE requires a CSFA value (CSFA required flag = 'Y' on the PROJ_TYPE_TBL record), then this field must be populated with a valid value. If it is not populated, all records related to this PROJECT_ID must be rejected.	CSFA number	FL_INTFC_PROJ_GEN.PROJECT_USER1	Char / 10
Agency	Char / 10	Optional		User defined field	FL_INTFC_PROJ_GEN.PROJECT_USER2	Char / 10
Agency	Char / 10	Optional		User defined field	FL_INTFC_PROJ_GEN.PROJECT_USER3	Char / 10
Agency	Char / 10	Optional		User defined field	FL_INTFC_PROJ_GEN.PROJECT_USER4	Char / 10
Agency	Char / 10	Optional		User defined field	FL_INTFC_PROJ_GEN.PROJECT_USER5	Char / 10

Agency	Date / 10	Optional		User defined field	FL_INTFC_PROJ_GEN.PROJECT_USER_DT1	Date / 10
Agency	Date / 10	Optional		User defined field	FL_INTFC_PROJ_GEN.PROJECT_USER_DT2	Date / 10
Agency	Char / 3 Alpha	Optional		User defined field	FL_INTFC_PROJ_GEN.PC_USER_CURRENCY	Char / 3 Alpha
Agency	SgNum / 13.2(17)	Optional		User defined field	FL_INTFC_PROJ_GEN.PROJECT_USERAMT1	SgNum / 13.2(17)
Agency	SgNum / 13.2(17)	Optional		User defined field	FL_INTFC_PROJ_GEN.PROJECT_USERAMT2	SgNum / 13.2(17)
Agency	SgNum / 13.2(17)	Optional		User defined field	FL_INTFC_PROJ_GEN.PROJECT_USERAMT3	SgNum / 13.2(17)
Agency	Char/5/	Filler			FL_INTFC_PROJ_GEN.SET_OVERRIDE	Char/5/
Agency	Date / 10	Optional		Earliest project start date	FL_INTFC_PROJ_GEN.EARLY_START_DT	Date / 10
Agency	Date / 10	Optional		Earliest project end date	FL_INTFC_PROJ_GEN.EARLY_FINISH_DT	Date / 10

Agency	Date / 10	Optional		Actual project start date	FL_INTFC_PROJ_GEN.ACTUAL_START_DT	Date / 10
Agency	Date / 10	Optional		Actual project end date	FL_INTFC_PROJ_GEN.ACTUAL_FINISH_DT	Date / 10
Agency	Date / 10	Optional		Baseline project start date	FL_INTFC_PROJ_GEN.BASELINE_START_DT	Date / 10
Agency	Date / 10	Optional		Baseline project end date	FL_INTFC_PROJ_GEN.BASELINE_FINISH_DT	Date / 10
Agency	Date / 10	Optional		Latest project start date	FL_INTFC_PROJ_GEN.LATEST_START_DT	Date / 10
Agency	Date / 10	Optional		Latest project end date	FL_INTFC_PROJ_GEN.LATEST_FINISH_DT	Date / 10

Conversion/Interface Requirements						
Sourcesys <table>.table.fiel</table>	Field Format / Length	Selection Criteria	Processing Rules	Comments	Targetsys.table.field	Field Format / Length
Agency	CHAR/3	Required	ACT' = 'Activity Details'		RECORD-ID	CHAR/3
Agency	Num / 8	Required	Get next Interface ID from INTFC_PROJ_GEN record	Interface ID	FL_INTFC_ACT_GEN.INTFC_ID	Num / 8
Agency	Num / 8	Required	Number Sequentially starting with 1	Interface Line Number	FL_INTFC_ACT_GEN.INTFC_LINE_NUM	Num / 8
Agency	Char / 5	Required; Must match a value from the SP_BU_PC_NONVW table		Business Unit	FL_INTFC_ACT_GEN.BUSINESS_UNIT	Char / 5
Agency	Char / 15	Required	This is a new Project. Limit value to 11 characters and auto append the first 4 characters of corresponding Business Unit. If 15 characters are sent, validate the first 4 = first 4 characters of corresponding PC BU. If these do not equal, reject this upload.	Project ID	FL_INTFC_ACT_GEN.PROJECT_ID	Char / 15
Agency	Char / 15	Required; Valid value from FS_ACTIVITY_TBL		Activity ID; this is equal to the funding source.	FL_INTFC_ACT_GEN.ACTIVITY_ID	Char / 15 Alpha
Agency	CHAR/30 /	Filler	Use valid value from Standard Activity table (FS_ACTIVITY_TBL).	Funding Source description	FL_INTFC_ACT_GEN.ACTIVITY_DESCR	CHAR/30/

Agency	Char/5/	Filler			FL_INTFC_ACT_GEN.ACTIVITY_TYPE	Char/5/
Agency	Num / 3.2	Filler		Percent Complete	FL_INTFC_ACT_GEN.PERCENT_COMPLETE	Num / 3.2
Agency	Date / 10	Optional		Earliest activity start date	FL_INTFC_ACT_GEN.EARLY_START_DT	Date / 10
Agency	Date / 10	Optional		Latest activity start date	FL_INTFC_ACT_GEN.LATEST_START_DT	Date / 10
Agency	Date / 10	Optional		Actual activity start date	FL_INTFC_ACT_GEN.ACTUAL_START_DT	Date / 10
Agency	Date / 10	Optional		Earliest activity end date	FL_INTFC_ACT_GEN.EARLY_FINISH_DT	Date / 10
Agency	Date / 10	Optional		Latest activity end date	FL_INTFC_ACT_GEN.LATEST_FINISH_DT	Date / 10
Agency	Date / 10	Optional		Actual activity end date	FL_INTFC_ACT_GEN.ACTUAL_FINISH_DT	Date / 10
Agency	Date / 10	Optional		Baseline activity end date	FL_INTFC_ACT_GEN.BASELINE_FINISH_DT	Date / 10

Agency	Date / 10	Optional		Baseline activity start date	FL_INTFC_ACT_GEN.BASELI NE_START_DT	Date / 10
Agency	Char / 10	Optional		User defined field	FL_INTFC_ACT_GEN.ACTIVIT Y_USER1	Char / 10
Agency	Char / 10	Optional		User defined field	FL_INTFC_ACT_GEN.ACTIVIT Y_USER2	Char / 10
Agency	Char / 10	Optional		User defined field	FL_INTFC_ACT_GEN.ACTIVIT Y_USER3	Char / 10
Agency	Char / 10	Optional		User defined field	FL_INTFC_ACT_GEN.ACTIVIT Y_USER4	Char / 10
Agency	Char / 10	Optional		User defined field	FL_INTFC_ACT_GEN.ACTIVIT Y_USER5	Char / 10
Agency	Date / 10	Optional		User defined field	FL_INTFC_ACT_GEN.PC_ACT _USER_DT1	Date / 10
Agency	Date / 10	Optional		User defined field	FL_INTFC_ACT_GEN.PC_ACT _USER_DT2	Date / 10
Agency	Char / 3	Optional		User defined field	FL_INTFC_ACT_GEN.PC_US ER_CURRENCY	Char / 3 Alpha
Agency	SgNum / 13.2(17)	Optional		User defined field	FL_INTFC_ACT_GEN.PC_ACT _USERAMT1	SgNum / 13.2(17)

Agency	SgNum / 13.2(17)	Optional		User defined field	FL_INTFC_ACT_GEN.PC_ACT_USERAMT2	SgNum / 13.2(17)
Agency	SgNum / 13.2(17)	Optional		User defined field	FL_INTFC_ACT_GEN.PC_ACT_USERAMT3	SgNum / 13.2(17)
Agency	Char / 254	Optional		Activity description	FL_INTFC_ACT_GEN.DESCR 254	Char / 254
Agency	Num / 3	Required if LOCATION is populated	Set to "1", then increment for multiple locations for a single project.	Activity location effective sequence	FL_INTFC_ACT_GEN.EFFSEQ	Num / 3
Agency	Char / 10	Optional; Must be a value from the LOCATION_TBL table.		Location	FL_INTFC_ACT_GEN.LOCATION	Char / 10
Agency	Date / 10	Filler			FL_INTFC_ACT_GEN.ACT_STARTUS_EFFDT	Date / 10
Agency	Date / 10	Required		Activity start date	FL_INTFC_ACT_GEN.START_DT	Date / 10
Agency	Date / 10	Required		Activity end date	FL_INTFC_ACT_GEN.END_DT	Date / 10
Agency	Char/11/	Filler			FL_INTFC_ACT_GEN.ACTIVITY_MANAGER	Char/11/
Agency	Char/3/	Filler			FL_INTFC_ACT_GEN.QUALITY_TYPE	Char/3/

Conversion/Interface Requirements						
Sourcesys .table.fiel d	Field Format / Length	Selection Criteria	Processing Rules	Comments	Targetsys.table.field	Field Format / Length
Agency	CHAR/3	Required if existing Project information is being updated	'UPD'='Update projects'		RECORD-ID	CHAR/3
Agency	Char / 5	Required if existing Project information is being updated		Business Unit		Char / 5
Agency	Char / 15	Required if existing Project information is being updated		This is an existing Project in Aspire		Char/15
Agency	CHAR / 30	Required if Project Description is being updated	Updates		PROJECT. DESCR	CHAR / 30
Agency	DATE / 10	Required if Project Start Date is being updated	Updates		PROJECT. START_DT	DATE / 10
Agency	DATE / 10	Required if Project End Date is being updated	Updates		PROJECT.END_DT	DATE / 10
Agency	CHAR / 5	Required if Project Type is being updated	Updates	Invoke edits similar to ADD record if updating Project Type. Must be a value from the PROJ_TYPE_TBL table	PROJECT. PROJECT_TYPE	CHAR / 5

Agency	CHAR / 10	Required if 1. CSFA number is being updated 2. Project Type is being updated with a project type that requires CSFA number;	Updates	Used for CSFA codes Validate against CSFA record: FL_CSFA_TBL	PROJECT.PROJECT_USER1	CHAR / 10
Agency	CHAR / 10	Required if PROJECT_USER2 is being updated	Updates		PROJECT.PROJECT_USER2	CHAR / 10
Agency	CHAR / 10	Required if PROJECT_USER3 is being updated	Updates		PROJECT.PROJECT_USER3	CHAR / 10
Agency	CHAR / 10	Required if PROJECT_USER4 is being updated	Updates		PROJECT.PROJECT_USER4	CHAR / 10
Agency	CHAR / 10	Required if PROJECT_USER5 is being updated	Updates		PROJECT.PROJECT_USERS5	CHAR / 10
Agency	Char / 1	Required if Project Status is being updated	Updates	Valid value from Project Status table (PROJ_STATUS_TBL)	PROJECT_STATUS.PROJECT_STATUS	Char / 1
Agency	Date / 10	Required if Project Status is being updated	Updates		PROJECT_STATUS.EFFDT	Date / 10
Agency	Char / 11	Required if Project Manager is being updated	Updates	Must be valid value from PROJ_MGR_VW record	PROJECT_MGR.PROJECT_MANAGER	Char / 11

Agency	Date / 10	Required if Project Manager is being updated	Updates		PROJECT_MGR.EFFDT	Date / 10
Agency	Date / 10	Required if Project Manager Start Date is being updated	Updates		PROJECT_MGR.START_DT	Date / 10
Agency	Date / 10	Required if Project Manager End Date is being updated	Updates		PROJECT_MGR.END_DT	Date / 10
Agency	Char / 254	Required if DESCR254 (Long Description) is being updated	Updates		PROJECT_DESCR.DESCR254	Char / 254
Agency	Long Char	Required if DESCRLONG (Description) is being updated	Updates		PROJECT_DESCR.DESCRLONG	Long Char