

2.0 Appendix A – Project Aspire Conversion/Interface Functional Design

ADML ID	107
ADML Description	MFMP Payment Information (warrants)
ADML Tech #	107

2.1 Description Functionality

MFMP currently receives a 585 character, fixed length transaction history file from FLAIR for payment information. The current file's layout sent from FLAIR can be reviewed at the end of the record layout section (2.7) of this specification. This file contains extra data that is currently not being used by MFMP. Today MFMP is only using the following fields from the transaction history file: Account Code, Object Code, Transaction Amount, Vendor Identification Number, Warrant Number, Warrant Issue Date, Agency Document Number, Statewide Document Number and the Invoice Number.

The purpose of this outbound interface from Aspire is to provide a similar file with this required payment information to My Florida Marketplace (MFMP). This payment file will contain data values for all payments authorized by Aspire against MFMP vouchers and any associated cancellations. This will include payment information for reversal vouchers created against MFMP vouchers. Relevant payment and cancellation information for MFMP transactions will be extracted from the following Aspire voucher and payment related records: VOUCHER, PYMNT_VCHR_XREF, and PAYMENT_TBL.

This file should have an indicator on each line to differentiate between the different types of payment transactions (Payments, Cancellations, and Reversals). MFMP should take different actions based on the payment indicator, but in every case the Payment ID should be posted on the IR for reference. When a payment indicator is received, MFMP will simply create a new payment record and mark their IR as paid. When a Cancellation indicator is received, MFMP will set the payment record to "Cancelled", but the IR will remain in "Paid" status. If a new payment is created against a voucher that had a previously cancelled payment, the cancelled payment will remain "Cancelled" and a new payment record will be generated and referenced on the IR.

When a Reversal indicator is received, which can happen after a payment or after a cancellation, MFMP will mark their payment record with a status to indicate that it has

been reversed. In the case of a Reversal, this file will include the Reversal Voucher Id and the original voucher ID since that will be a key value. The Reversal indicator should trigger MFMP to close the voucher for good. In Aspire, the original voucher becomes un-editable and the related encumbrance will be reinstated back to the PO.

In order to make sure the MFMP IR gets updated to the latest status, this file should be sorted in the appropriate order - Business Unit, Voucher ID, and Payment ID. When the file contains more than one line for the same voucher, MFMP should use the indicator from the highest Payment ID to determine the final status as of that day.

This interface should only be executed after the nightly Pay Cycle job and posting processes have completed successfully. The resulting output file should only contain that current day's disbursement and cancellation information for MFMP vouchers and disbursements. Payment post needs to run before and after the Pay Cycle to make sure all the entries are ready. If a payment is posted and then cancelled in the same day, the file should include a record for both the original payment, as well as the cancellation.

There are several small enhancements being made to the reversal voucher pages in Aspire to ensure that this process works correctly. Please see ADML 1845 for more details, but below is a synopsis:

- The Reversal voucher should automatically get updated to have the same Origin as the original voucher.
- Users cannot edit the amount fields on a Reversal Voucher.
- All MFMP Reversal vouchers will be flagged with the "Restore Encumbrance" option turned on.

2.2 Scheduling

This Interface should be run daily after the completion of the nightly Pay Cycle and the Payment Post process. Also note that Payment Post should be run before Pay Cycle to make sure all the cancelled payments will be included in that night's Pay Cycle.

2.3 Run Control Parameters

Interface / Conversion Parameters	
<i>Parameters (Required)</i>	<i>Possible Values (Prompt Table)</i>
FROM DATE	Valid date
TO DATE	Valid date

2.4 Unit Test Considerations

- Validate that transactions in the output file are sorted by Business Unit, Voucher ID, and Payment ID.
- Validate that the output file only contains voucher and payment information for MFMP transactions. (Origin = MFM).
- Test that cancelled payments that are reissued are selected and that the new warrant information is sent to MFMP.
- Test that Aspire cancellations from MFMP disbursements are included in this file. Only new cancellations from the last processing 'To Date' should be selected.
- Verify that the correct indicators are used for each type of transaction.
- Verify that MFMP takes the correct action based on the indicator provided.
- Test a payment created and cancelled in the same day thus appearing on the extract file.

2.5 Miscellaneous

- Security will restrict who has access to the Reversal Voucher style.
- ADML 1845 describes some additional custom security for Reversal Vouchers.

2.6 Assumptions

- This is a one-way outbound interface that provides select voucher and payment data for MFMP.
- MFMP will make all necessary modifications to their system to accept Aspire fields due to system differences between FLAIR and Aspire. However, some minor changes may be necessary to the ASPIRE file format (i.e., sorting order, field order) based on MFMP's requirements.
- This process will not run until Aspire has completed all MFMP disbursement processing in the nightly batch schedule.
- The PAYMENT_TBL.CREATION_DT will be used to select eligible disbursements. This date must meet the run control's date range requirement.
- The PAYMENT_TBL.CANCEL_DT will be used to select eligible cancellations. This date must also meet the run control's date range requirement.
- Reversal vouchers will be the principle manner in which payment voids for encumbered disbursements will be handled.
- Corrections for transactions should be done in the source module whenever possible, rather than in GL.

2.7 Record Layout

For the following layout, Aspire will be the source system and MFMP will be the target system.

Conversion/Interface Requirements						
Sourcesys.table.field	Field Format / Length	Selection Criteria	Processing Rules	Comments	Targetsys.table.field	Field Format / Length
<i>VOUCHER.BUSINESS_UNIT</i>	5/CHAR	<i>Only select records where VOUCHER.ORIGIN = MFM</i>		<i>Payables business unit</i>	<i>FL_VCHR_PYMT_VW.BUSINESS_UNIT</i>	5/CHAR
<i>VOUCHER.VOUCHER_ID</i>	8/CHAR			<i>Agency Document Number</i>	<i>FL_VCHR_PYMT_VW.VOUCHER_ID</i>	8/CHAR
<i>VOUCHER.INVOICE_ID</i>	30/CHAR			<i>Invoice Number</i>	<i>FL_VCHR_PYMT_VW.INVOICE_ID</i>	30/CHAR
<i>VOUCHER.GROSS_AMT</i>	23.3/NBR			<i>Gross Invoice Amount</i>	<i>FL_VCHR_PYMT_VW.GROSS_AMT</i>	23.3/NBR
<i>PAYMENT_TABLE.PYMNT_AMT</i>	23.3/NBR			<i>Warrant Paid Amount</i>	<i>FL_VCHR_PYMT_VW.PYMNT_AMT</i>	23.3/NBR
<i>PYMNT_VCHR_XREF.PAID_AMT</i>	23.3/NBR			<i>Voucher Payment Amount</i>	<i>FL_VCHR_PYMT_VW.PAID_AMT</i>	23.3/NBR

Conversion/Interface Requirements						
Sourcesys.table.field	Field Format / Length	Selection Criteria	Processing Rules	Comments	Targetsys.table.field	Field Format / Length
PYMNT_VCHR_XREF.PYMNT_CNT	5 / NBR			Payment Count	FL_VCHR_PYMT_VW.PYMNT_CNT	5 / NBR
PYMNT_VCHR_XREF.PYMNT_GROSS_AMT	23.3/SIGN			Payment Gross Amount	FL_VCHR_PYMT_VW.PYMNT_GROSS_AMT	23.3/NBR
PYMNT_VCHR_XREF.PAID_AMT_DSCNT	23.3/SIGN			Paid Amount Discount	FL_VCHR_PYMT_VW.PAID_AMT_DSCNT	23.3/SIGN
PAYMENT_TBL.PYMNT_ID_REF	20/CHAR			Warrant Number	FL_VCHR_PYMT_VW.PYMNT_ID_REF	20/CHAR
PAYMENT_TBL.PYMNT_DT	10/DATE	If PYMNT_DT equal current date, select and include into file		Payment Date	FL_VCHR_PYMT_VW.PYMNT_DT	10/DATE
PAYMENT_TBL.CANCEL_DT	10/DATE			Cancellation Date	FL_VCHR_PYMT_VW.CANCEL_DT	10/DATE
PAYMENT_TBL.CREATION_DATE	10/DATE			Creation Date	FL_VCHR_PYMT_VW.CREATION_DATE	10/DATE

Conversion/Interface Requirements						
Sourcesys.table.field	Field Format / Length	Selection Criteria	Processing Rules	Comments	Targetsys.table.field	Field Format / Length
VOUCHER.VOUCHER_ID_RELATED	8/CHAR		Only provide a value if the indicator, FL_VCHR_PYMT_VW.PYMNT_STATUS = 'R'	Original Voucher ID for Reversals	FL_VCHR_PYMT_VW.RELATED_VOUCHER	8/CHAR
VOUCHER.VOUCHER_STYLE or PAYMENT_TBL.PYMNT_STATUS	4/CHAR or 1/CHAR		If VOUCHER.VOUCHER_STYLE = 'CORR', then set to 'R'. If VOUCHER.VOUCHER_STYLE = 'REG', then set to PAYMENT_TBL.PYMNT_STATUS	Possible Values: P – Paid, V – Void, R - Reversal	FL_VCHR_PYMT_VW.PYMNT_STATUS	1/CHAR

Sample File:

80000|00000672|Voucher Test A|10.000|10.000|10.000|1|10.000|0.000|0000001504|12/05/2005||12/05/2005||P

80000|00000672|Voucher Test A|10.000|10.000|10.000|1|10.000|0.000|0000001504|12/05/2005|12/05/2005|12/05/2005||V

80000|00000672|Voucher Test A|10.000|25.000|10.000|2|10.000|0.000|0000001505|12/05/2005||12/05/2005||P

80000|00000673|Reversal against Voucher A|-10.000|25.000|-10.000|1|-10.000|0.000|0000001505|12/05/2005||12/05/2005|00000672|R

80000|00000674|Voucher B|25.000|25.000|25.000|1|25.000|0.000|0000001505|12/05/2005||12/05/2005||P

Document Version Control

Version Number	Release Date	Version Number Description	Description of Changes
1	6/26/2006	SAW Review	Updated based on the SAW comments provided by MFMP.
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