

3.0 Appendix B – Project Aspire Enhancement Functional Design

ADML ID	740
ADML Description	Receiving, Merging, Formatting Bank Files
ADML Tech#	184

3.1 Background

All deposits occur in the BOA concentration account. Currently, the BAI file and associated addenda file are received from the banking institution (BOA) as two separate files. The addenda file is loaded to the AS400 system and matched with the corresponding bank transaction from the BAI file.

3.1.1 Functional Requirement

Treasury has requested an EDI 820 file format from BOA that has remittance data included in one file. Provide the ability to read and parse the EDI 820 file and create an ACH Detail Listing report which lists all the ACH Deposits for a particular agency.

3.1.2 Delivered Functionality

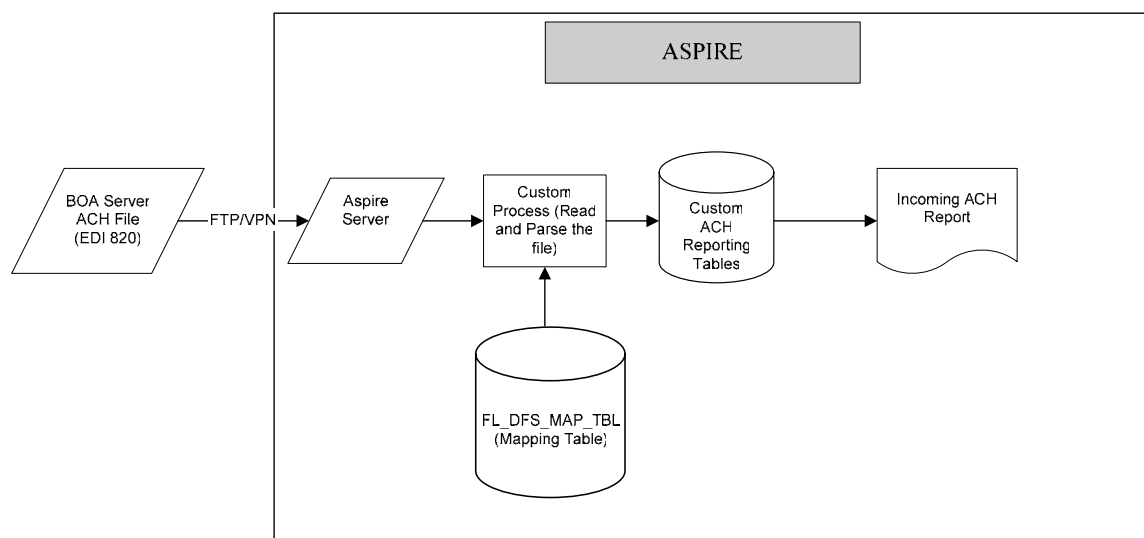
As delivered Aspire does not provide the functionality to read and parse an EDI 820 file.

3.1.3 Gap Description

3.2 Description of New Functionality

Currently, Treasury receives the incoming ACH information in two separate files - BAI file and the associated addenda file. In the future BOA can send all the ACH information in one file in EDI 820 format, including the Addenda (Remittance) information.

The EDI 820 file is available at the BOA server every morning. The file will be automatically pulled by the scheduled FTP process over VPN onto the Aspire server.



A custom program will be developed that will parse the EDI 820 file and loads into custom ACH Reporting tables. ACH Detail Listing report will then be run which will read the custom tables and generates a report per agency.

As part of parsing the EDI 820 file, the custom process will also read the custom mapping table “FL_DFS_MAP_TBL” (refer to functional specification 778 for the mapping table structure) in order to identify the business unit to which the AR deposit belongs to. If the AR business unit associated with the transaction cannot be identified, an exception report is generated; valid transactions will continue to be processed.

The ACH Detail Listing report will then be sent to the respective agencies. The ACH deposit information can be entered or loaded into their business system. These deposits can then be loaded into Aspire AR module via the Lockbox load process (ADML 170) along with all the other deposits.

3.3 Navigation path

Navigation:

Banking > Bank Statements > Load Incoming ACH File

3.4 Set Up/Control Data

BOA Sub-accounts should be set up in the custom mapping table.

3.5 Application Changes (e.g., Pages, Components, Menus, Records, App Engines, SQRs, etc.)

A new process scheduler Job should be created which will run both the custom process and the report one after the other. Accordingly, a new runcontrol page should be created as shown below and attach it to the menu as shown in the Navigation section above.

The screenshot shows a software interface titled "Convert EDI File". At the top, there is a "Run Control ID:" field containing "ACH_REPORT". To the right of this field are the labels "Report Manager" and "Process Monitor", and a yellow "Run" button. Below this is a table titled "Outbound File Name Nodes" with three columns: "DB Instance", "Interface", and "Department". The table contains one row with the values "FTSTA", "", and "NA00". Below the table is a "File Name:" label. At the bottom of the interface, there are four buttons: "Save", "Notify", "Add", and "Update/Display".

DB Instance	Interface	Department
FTSTA		NA00

3.6 Unit Test Considerations

- Confirm that the appropriate Agency is identified based on the sub-account number received on the EDI 820 file.
- ACH Report should be generated in the desired format.

3.7 Miscellaneous

Documentation of BOA's specifications for incoming ACH EDI 820 file, server-to-server, is located under the following directory:

P:\Application Software\Configuration\Treasury\Banks\Bank of America\File Formats



ANSI_ASC_X_12_82
0_Payment_Order_R

- Four additional fields - Bank ID Number, Bank Account Number, FL Identifier and Payment Method (default value of "EFT") should be added to FL_EDI820_HDR record to facilitate the creation of ACH Activity Report and Debit Memo report. During the reporting functional/technical spec review meetings, it was identified that the custom reporting record FL_EDI820_HDR does not contain enough fields to be able to join to the custom mapping record (FL_DFS_MAP_TBL) in order to retrieve the sub-account description.

Reports

- An Incoming ACH report per agency is required. A separate report specification will be created to address the criteria for the report.
- An Exception report from the custom process is required if the business unit associated with an incoming ACH transaction cannot be identified. A separate report specification will be created to address the criteria for the report.

Queries

- A custom query will be developed to retrieve the incoming ACH deposit data from custom reporting tables along with the remittance information. This query can be used by the agencies to download the data into an excel file. This excel file may be

used to load the information into their business systems (but cannot be loaded directly into Aspire AR).

ADML Dependencies

- This enhancement functional specification is dependent on functional specification 778 - Generate monthly bank statements for the State's Consolidated Revolving Account (CRA).

3.8 Assumptions

- Treasury will not be loading the agency ACH Deposits automatically into Aspire AR.
- Deposits can be loaded into Aspire AR from the agency's business system via Lockbox interface or can be manually entered.
- The EDI 820 file from Bank of America will contain a unique identifier which identifies the business unit to which the AR deposit belongs to.
- Access Group for the Query will comply with overall security design.
- Exception, Error, Completion reports will be generated as part of the custom process.