

## 2.0 Appendix A – Project Aspire Conversion/Interface Functional Design

<b>ADML ID</b>	<b>1420</b>
<b>ADML Description</b>	<b>Interface CRA Transactions to GL</b>
<b>ADML Tech #</b>	<b>1420</b>

### 2.1 Description Functionality

The Consolidated Revolving Account (CRA) is a Wachovia external bank account maintained by the Treasury and currently used by 14 agencies consisting of approximately 100 sub-accounts. Agencies make deposits, write checks, and earn interest in SPIA on excess invested balances from the account. Interest sub-allocation per CRA sub-account is processed for the interest earned from excess balances that are invested in SPIA. The interest earned is transferred via EFT from the BONY SPIA account to the Wachovia CRA account. The dollar amount transferred is based on the interest allocation amount earned on the CRA SPIA account prior to the execution of the CRA sub-allocation process.

Treasury receives a Prior Day BAI file for the account and identifies the transactions associated with each CRA account by using a 10-digit auxiliary field in the MICR line of the check and deposit ticket. Treasury provides a monthly bank statement for each agency, with the beginning balance, deposits, interest earnings information, withdrawals, and ending balance. Treasury has the ability to identify and associate bank transactions to the appropriate agency and sub-account, create monthly statements and provide a transaction file to the agencies for local reconciliation. Treasury does not reconcile the CRA account.

In addition, the CRA transactions need to be posted to GL in order to perform interest allocation. This could be accomplished by developing a custom App Engine process which reads the CRA data from Bank Statement records (BANK\_STMT\_HDR, BANK\_STMT\_TBL) and creates a file in the format that is readable by PS delivered Journal Import App Engine process (GL\_JRNL\_IMP1). Required Chartfield information could be extracted from the custom mapping table (FL\_DFS\_MAP\_TBL) developed as part of ADML 778. If a one-to-one sub-account # match is not found in the mapping table, a default sub-account # will be used to extract the chartfield information.

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<sup>1</sup> See Functional Spec 007 Journal Entry for Agency Use

The Bank Statement records do not have DR/CR indicators as the signs are determined by BAI code. The custom App Engine will have to derive the DR/CR indicators using the BSP\_TXN\_CODE\_VW record with the interface and add code to determine the sign based on the BAI code, for GL journal creation.

The BSP\_TXN\_CODE\_VW record has the BAI codes and a DR/CR indicator.

To prevent sending the same data to GL more than once, a custom staging record should be built to stage all the key run control parameters. A check should be performed against this staging record for every run of the custom App Engine process to make sure that the same information is not extracted more than once.

If the same Run Control Parameters are used by the user, an error message should be displayed to indicate that the Bank Statement has already been processed.

**Custom Staging Record structure:**

Field Name	Description	Length	Type	Key	Reqd	Srch	List
BNK_ID_NBR	External Bank ID (ABA Number)	20	Char	Y	Y	Y	Y
BANK_ACCOUNT_NUM	Bank Account #	17	Char	Y	Y	Y	Y
ASOFDATE	As of Date	10	Date	Y	Y	Y	Y
STATEMENT_ID	Statement ID	10	Nbr	Y	Y	Y	Y

**2.2 Scheduling**

- Daily and/or Ad-hoc.

**2.3 Run Control Parameters**

Interface / Conversion Parameters	
<i>Parameters (Required)</i>	<i>Possible Values (Prompt Table)</i>

<b>Interface / Conversion Parameters</b>	
<i>Parameters (Required)</i>	<i>Possible Values (Prompt Table)</i>
BNK_ID_NBR	BANK_STMT_HDR
BANK_ACCOUNT_NUM	BANK_STMT_HDR
ASOFDATE	BANK_STMT_HDR
STATEMENT_ID	BANK_STMT_HDR

## 2.4 Unit Test Considerations

- The Output file format should comply with technical specifications
- An Error message should be displayed if the user tries to extract the output file for a particular Bank Statement more than once.
- When running the interface CRA transactions to GL and an error occurs, the process should fail. No journal lines should be created. The Error log should be updated. Corrections will be executed by the User and the process should be allowed to be re-initiated.

## 2.5 Miscellaneous

### Queries

- None required.

### Reports

- An Exception Report should be generated as part of this interface to list all the transactions for which a one-to-one match is not found in the custom mapping table.

### ADML Dependencies

- This Interface specification is dependent on the file format as defined by the technical team.

- This Interface specification is dependent on ADML 778.

## **2.6 Assumptions**

- All banking institutions will provide a unique identifier on the bank transaction files to identify business unit and chartfield information.
- Treasury personnel will be responsible for maintaining the custom mapping record.
- The interest allocation process is a function of the GL module.

## **2.7 Record Layout**

N/A. Refer to the technical specification for record layout.