

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

<b>ADML ID</b>	<b>1854</b>
<b>ADML Description</b>	<b>Batch Process Run Control Update Interface</b>

### 2.1 Description Functionality

The purpose of this interface is to update input parameters automatically on run control records for nightly batch processes whose input parameters are dynamic. Dynamic input parameters are parameters whose value is determined from data received in external interface input files. The sequence of events is to load the interface file, execute a program to collect the parameter information from the interface staging table, have the same program update the parameter for the applicable run control records for the respective batch process, and then execute the batch process job stream.

Certain processes may need to run numerous times, depending on transactional data processed that day. This interface will also be responsible for determining how many times a process must run for all the identified interfaces. The batch interface will instantiate a process (create an executable as needed for each respective date to process) with a corresponding run control for each run. These are dynamic processes that also contain dynamic parameters.

An example of a dynamic parameter is the billing interface id which is provided by the respective agency in the billing interface file. After the agency billing interface file is loaded to the staging table, the downstream Billing process selects records in the staging table for processing based on the range of billing interface ids identified in the from billing interface id parameter and the to billing interface id parameter on the run control record. If the from and to parameter do not include the range of values on the interface staging table, no records may be selected.

An example of a dynamic process that contains dynamic parameters is the P-card Voucher Stage process. This process contains a “billing date” parameter, and only creates vouchers for any P-card transactions for that billing date. The batch interface must query the distinct billing dates in the PS\_CC\_TRANS\_LINE table where cc\_status <> ‘4’ (unprocessed transactions), and instantiate a Voucher Stage process, with its own run control record for each on these distinct billing dates.

The following defines the processing requirements for each process that has a dynamic input parameter for each respective module:

## Billing/Accounts Receivable

## 1. Billing Interface

Navigation: Billing, Interface Transactions, Process Billing Interface

Process: BIIF0001

Input Parameter: INTFC\_ID\_FROM  
INTFC\_ID\_TO

Processing Logic: The run control update program needs to select the minimum value from the INTFC\_ID field from the INTFC\_BI table and load it to the INTFC\_ID\_FROM field on the run control record for the Process Billing Interface process. The run control update program needs to select the maximum value from the INTFC\_ID field from the INTFC\_BI table and load it to the INTFC\_ID\_TO field on the run control record for the Process Billing Interface process.

## 2. AR Budget Check

Navigation: Accounts Receivable, Receivables Update, Revenue Estimates, Budget Check Transactions

Process: FSPKBDP3

Input Parameter: FROM\_DATE  
TO\_DATE  
TRANSACTION\_TYPE

Processing Logic: Determine FROM\_DATE and TO\_DATE from values in staging table, set Transaction Type to AR\_REVEST

## 3. AR Update

Navigation: Accounts Receivable, Receivables Update, Request Receivables Update

Process: ARUPDATE

Input Parameter: ACCTG\_DT\_FROM  
ACCTG\_DT\_TO

Processing Logic: The run control update program needs to set the ACCTG\_DT\_TO to the current date. The ACCTG\_DT\_FROM should be treated as static, and should be set to 01011901.

4. PeopleSoft Contracts to Billing Load

Navigation: Customer Contracts, Schedule and Process Billing, Process Other Billing

Process: CA\_BI\_INTFC

Input Parameter: Event\_Date  
Invoice\_Date

Processing Logic: Set to today's date

Input Parameter: Bill\_Cycle\_id

Processing Logic: Set to Daily, Weekly, Monthly, or Quarterly.

5. Load Transactions into Asset Management

Navigation: Asset Management > Send/Receive information > Load Transactions > Load Transactions into AM

Process: FL\_AM\_1000  
AMF1000

Input Parameter: From\_Interface\_ID  
To\_Interface\_ID

Processing Logic: Set to today's date

6. Asset Management Depreciation Calculation

Navigation: Asset Management > Depreciation > Processing > Calculate

Process: AMDPCALC

Input Parameter: From\_Asset\_ID  
To\_Asset\_ID

Processing Logic: Set Asset ID range based on assets id's in staging table.

7. Asset Management Accounting Entry Creation

Navigation: Asset Management > Accounting Entries > Create Accounting Entries

Process: AMAEDIST

Input Parameter: From\_Asset\_ID  
To\_Asset\_ID

Processing Logic: Set Asset ID range based on assets id's in staging table.

8. GL Budget Reconciliation Report

Navigation: General Ledger, Maintain Standard Budget, Budget Reconciliation Report

Process: FLGLRECN

Input Parameter: ACCTG\_PERIOD\_FROM  
ACCTG\_PERIOD\_TO

Processing Logic: Set from and to date based on values in staging table.

9. GL Review Unreserved Fund Balances

Navigation: General Ledger, Review Financial Information, Unreserved Fund Balances

Process: FLGLRECN

Input Parameter: ACCTG\_PERIOD\_FROM  
ACCTG\_PERIOD\_TO

Processing Logic: Set from and to date based on values in staging table.

10. GL Allocations

Navigation: General Ledger, Allocations, Define and Perform Allocations, Request Allocation

Process: FS\_ALLC

Input Parameter: ALLOCATION\_GROUP

AS\_OF\_DATE

Processing Logic: Set allocation group based on values in staging table and as of date based on global parameter.

11. GL Salary Detail

Navigation: Not Available

Process: FL\_PAYRRUPST,  
FLPYRRBS

Input Parameter: DEPARTMENT  
FROM\_DATE  
TO\_DATE

Processing Logic: Set Department, From\_Date and To\_date based on values in interface staging table.

12. PO Requisition Budget Check

Navigation: Purchasing-Requisitions-Budget Check

Process: FSPKBDP3

Input Parameter: REQUISITION\_DATE

Processing Logic: Set REQUISITION\_DATE to today's date.

13. PO Purchase Order Budget Check

Navigation: Purchasing-Purchase Orders-Budget Check

Process: FSPKBDP3

Input Parameter: PO\_DATE

Processing Logic: Set PO\_DATE to today's date.

14. Payables Voucher Budget Check

Navigation: Accounts Payables-Batch Processes-Vouchers-Budget  
Check

Process: FSPKBDP3

Input Parameter: ACCOUNTING\_DATE  
TRANSACTION\_TYPE

Processing Logic: Set ACCOUNTING\_DATE to today's date, set TRANSACTION\_TYPE to AP\_VOUCHER.

#### 15. Purchasing Contract PO Load

Navigation: Purchasing-Procurement Contracts-Stage Contract PO's

Process: PO\_POCNTRCT

Input Parameter: FROM\_DATE  
TO\_DATE

Processing Logic: Set FROM\_DATE to oldest date in staging table, Set TO\_DATE to today's date..

#### 16. Purchasing PO Calculations

Navigation: Purchasing-Purchase Orders-Stage/Source Requests-PO Calculations

Process: PO\_POCALC

Input Parameter: BUYER\_ID

Processing Logic: Set BUYER\_ID to values in BUYER setup table.

#### 17. Purchasing PO Dispatch

Navigation: Purchasing-Purchase Orders-Dispatch PO's

Process: POPO005

Input Parameter: FROM\_DATE  
TO\_DATE

Processing Logic: Set FROM\_DATE and TO\_DATE based on lowest and highest date of Purchases Orders marked for dispatch.

#### 18. Payables Warrant Print

Navigation: Custom Interfaces-UC/PA Warrant Print Process  
Process: FLWRPRT  
Input Parameter: PAYMENT\_DATE  
Processing Logic: Set PAYMENT\_DATE to Global Date Parameter..

#### 19. Payables Return Expense Payments

Navigation: Custom Interfaces-Return Expense Payments  
Process: FL\_EXPRETPAY  
Input Parameter: DEPARTMENT  
FROM\_DATE  
TO\_DATE  
Processing Logic: Set Department, From\_Date and To\_date based on values in interface staging table

#### 20. Payables Moving Expense Voucher Load

Navigation: Accounts Payables-Batch Processes-Vouchers-Moving Expenses Interface  
Process: FLMOVEX  
Input Parameter: DEPARTMENT  
CURRENT\_DATE  
Processing Logic: Set DEPARTMENT and CURRENT\_DATE based on values in interface staging table

#### 21. Treasury Reconciliation of Payroll

Navigation: Custom Interfaces-Reconciliation of Payroll  
Process: FLTREOUT  
Input Parameter: DEPARTMENT  
FROM\_DATE  
TO\_DATE

Processing Logic: Set Department, From\_Date and To\_date based on values in Payroll data table

## 22. Payables Warrant Status

Navigation: Accounts Payable-Reports-ASPIRE Warrant Status

Process: FL\_AP\_WRNT

Input Parameter: FROM\_DATE  
THRU\_DATE

Processing Logic: Set From\_Date and Thru\_date based on values in Warrant tables

The following defines the processing requirements for each dynamic process that has a dynamic input parameter for each respective module:

### Purchasing

#### 1. Voucher Stage

Navigation: Purchasing → Procurement Card → Process Statements → Load Voucher Stage

Process: PO\_CCVCHRSTG

Input Parameter: BILLING\_DATE

Processing Logic:

```
SELECT DISTINCT BILLING_DATE
FROM PS_CC_TRANS_LINE
WHERE CC_STATUS <> '4'
```

For each distinct billing date selected, the P-Card Voucher Stage must run containing Billing Date as a parameter.

## 2.2 Scheduling

The program will be executed nightly.

### 2.3 Run Control Parameters

Provide a description of any Interface/Conversion input run control parameters (e.g., business unit, Bank ID, etc.) used to determine the output of the program

<b>Interface / Conversion Parameters</b>	
<i>Parameters (Required)</i>	<i>Possible Values (Prompt Table)</i>
<i>None</i>	
<i>Parameters (Optional)</i>	<i>Possible Values</i>
<i>None</i>	

### 2.4 Unit Test Considerations

- **Execute job prior to loading interface data from external agency's**

Result: Run control records are not updated

- **Execute job after loading interface data**

Result: Run control records are updated

### 2.5 Miscellaneous

### 2.6 Assumptions

- A job definition is used to run all interfaces prior to execution of this ADML.
- A job definition is used to run this ADML and the PeopleSoft batch processes for the nightly batch window.

2.7 Record Layout

Conversion/Interface Requirements						
Sourcesys.table. field	Field Format / Length	Selection Criteria	Processing Rules	Comments	Targetsys.table.field	Field Format / Length