



## OVERVIEW

### Category

SQR

### Application Overview

The Federal Government requires that each state report stimulus expenses. The Office of Budget Management (OBM) has an application which will be tracking stimulus expenses. This application will be updated daily with stimulus expense data from Ohio Administrative Knowledge System (OAKS). An SQR interface will be built from OAKS to the OBM application.

This SQR will select and write out to an output file all expenses which fall under the Federal Stimulus Program at the time that they are paid.

### *Supported Business Processes*

Track Stimulus Expenses

### *Processing Overview*

- The Stimulus Expense interface will pull the following data:

LEDGER  
CF\_ATTRIBUTE  
DEPTID  
PROGRAM\_CODE  
FUND\_CODE  
PRODUCT  
ACCOUNT  
PROJECT\_ID  
BUDGET\_REF  
CLASS\_FLD  
CHARTFIELD1  
CHARTFIELD2  
CHARTFIELD3  
OPERATING\_UNIT  
VOUCHER\_ID  
VENDOR\_ID  
NAME1  
ADDRESS1  
ADDRESS2  
ADDRESS3  
ADDRESS4  
CITY  
COUNTY  
STATE  
POSTAL  
COUNTRY



MONETARY\_AMOUNT

- Any expenses which fall under accounts from the OH\_ISTV\_ACCOUNTS tree will be identified as Interstate State Transfer Voucher (ISTV) expenses.
- The interface will pull expenses for all program codes that fall under the federal stimulus program. This is designated by the following: PS\_DISTRIB\_LINE.PROGRAM\_CODE equals a program code where CF\_ATTRIB\_TBL.FIELDNAME = 'PROGRAM\_CODE' AND CF\_ATTRIB\_TBL.CF\_ATTRIBUTE = 'FED\_STIMULUS' AND CF\_ATTRIB\_TBL.CF\_ATTRIB\_VALUE = 'Y.'
- This interface will be launched by a set of parameter: Fiscal Year to provide the requested data.
- The interface will be executed from **Home → General Ledger → Batch Processes → Stimulus Interface** .
- The interface will be a scheduled batch process which will run nightly. It will not run on-demand.
- This interface will pick up expenses at the time they are actually paid not when they are expensed.

**RTM Cross-Reference**

- INF55 – Create a new AP interface to extract Federal Stimulus data at the time that it is paid.

**Conversion Impact**

- N/A

**Configuration Impact**

- Any new Federal Stimulus program codes must have the FED\_STIMULUS attribute with an attribute value of 'Y' added.

**Change Management Impact**

N/A

**Security Impact**

- Ensure that the new interface can be seen and used under the Menu Item labeled 'Stimulus Interface' and will be added to **Home → General Ledger → Batch Processes → Stimulus Interface** menu group/bar. Security will need to be added to the new menu item.

**Technical Impact**

- Due to the potential large number of transactions being reported, a performance analysis will have to be conducted prior to delivering the interface.
- The Stimulus Expense interface will run in the nightly batch process and not on-demand
- The output file naming convention will be INF55OBM01\_DD-MON-YYYY\_\$process\_instance.
- The output file be written out to the  
oaksdrfilecl01\drfile\_q\DATA\_FILES\FNDV1\interfaces\processing\oh\_inf55.
- Filemover will be set up to move the output file from  
oaksdrfilecl01\drfile\_q\DATA\_FILES\FNDV1\interfaces\processing\oh\_inf55 to the OBM staging folder where the file will be scheduled to FTP.



- The output file will be written out (with quotes around the strings) in a dat file format.
- If the SQR pulls no data, the output file will still be created.
- If the SQR fails, OAKS on-call batch team will be notified.
- The developer/designer will coordinate with OAKS batch scheduling to have the scheduled run of this program set up.
- An OBM employee should be set up with a batch administrator role and should have the ability to run this interface ad-hoc if need be.
- Managed Services requires that a CRM Ticket be logged when this process runs on an ad-hoc basis. When the run control parameters have not changed, the Managed Services Batch Team can be instructed to run from UC4.
- When changing the run control parameters from the default, specific instructions like the EXAMPLE below must be given to the Managed Services Batch Team.

**Steps to run OHINF55 Interface:**

- Navigate to General Ledger > Batch Processes > Stimulus Interface
- Select Batch\_OH\_INF55 Run Control Id
- Change Fiscal Year to 2009
- Run JOBS.GL.OHINF55 from UC4
- Once above job ran to success change Fiscal Year back to 2010

**Cross Jurisdiction**

N/A





## Assumptions

- The Stimulus Payables interface will be performance tested to replicate appropriate yearly data volumes.
- The Stimulus Payables interface will not run on-demand. It will be a scheduled batch process which will run nightly.
- OAKS GL will be responsible for adding the FED\_STIMULUS attribute to any new program codes.
- The output file naming convention will be INF55OBM01\_DD-MON-YYYY\_\$process\_instance.
- The output file be written out to the  
oaksdrfilecl01\drfile\_q\DATA\_FILES\FNDV1\interfaces\processing\oh\_inf55.
- Filemover will be set up to move the output file from  
oaksdrfilecl01\drfile\_q\DATA\_FILES\FNDV1\interfaces\processing\oh\_inf55 to the OBM staging folder where the file will be scheduled to FTP.
- The output file will be written out (with quotes around the strings) in a dat file format.
- This interface will pick up expenses at the time they are actually paid not when they are expensed.
- If the SQR pulls no data, the output file will still be created.
- If the SQR fails, OAKS on-call batch team will be notified.
- The developer/designer will coordinate with OAKS batch scheduling to have the scheduled run of this program set up.
- Any expenses which fall under the accounts from the OH\_ISTV\_ACCOUNTS tree will be identified as ISTV expenses.
- An OBM employee should be set up with a batch administrator role and should have the ability to run this interface ad-hoc if need be.



- Pending Items

| <u>Pending Item</u> | <u>Status(Open/Closed)</u> | <u>Resolution</u> |
|---------------------|----------------------------|-------------------|
|                     |                            |                   |



## ON-LINE OBJECTS IMPACT INVENTORY & DESCRIPTION

### Field Description

| <u>Field</u> | <u>New</u> | <u>Field Type</u> | <u>Field Length</u> | <u>Translate Values</u> | <u>Field Description</u> |
|--------------|------------|-------------------|---------------------|-------------------------|--------------------------|
|              |            |                   |                     |                         |                          |
|              |            |                   |                     |                         |                          |

### Record Descriptions

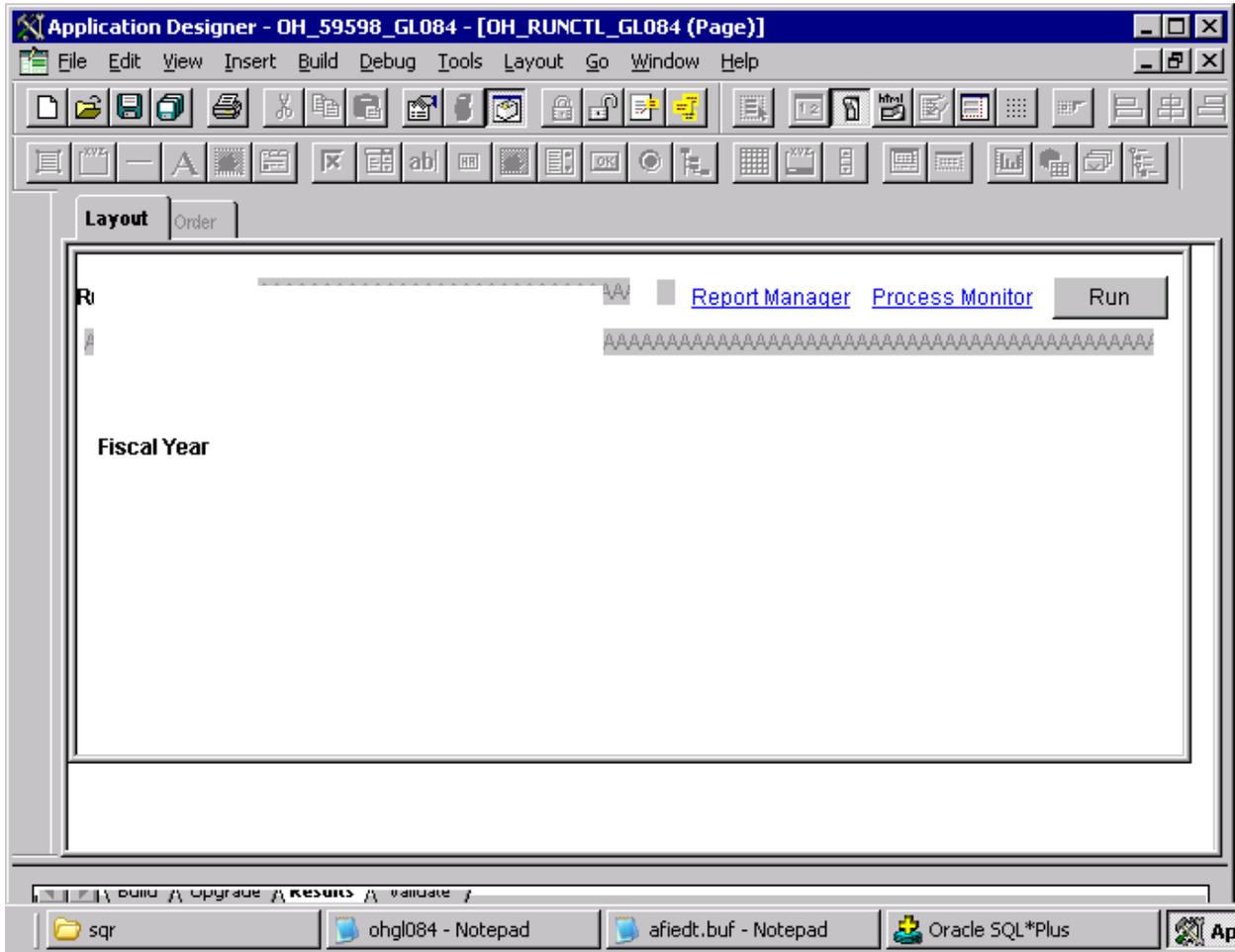
| <u>RECORD NAME</u> | <u>New or Existing</u> | <u>Type</u> | <u>Audit Record</u> |
|--------------------|------------------------|-------------|---------------------|
|                    |                        |             |                     |

| <u>Field</u> | <u>Add or Modify</u> | <u>Required</u> | <u>Key</u> | <u>Search Key</u> | <u>List Box</u> | <u>Prompt Edit</u> | <u>Default</u> |
|--------------|----------------------|-----------------|------------|-------------------|-----------------|--------------------|----------------|
|              |                      |                 |            |                   |                 |                    |                |
|              |                      |                 |            |                   |                 |                    |                |



### Page Description

Below is a sample of the Stimulus Interface Run Control Page (OH\_RUNCTL\_GL084):



- The Fiscal Year field is dependent on the current date and will be calculated according to the current date.



**Content Reference Description**

| <u>Content Reference Name</u> | <u>Label</u>                    | <u>Long Description</u>         | <u>Sequence Number</u> |
|-------------------------------|---------------------------------|---------------------------------|------------------------|
|                               | Outbound Payment Data Interface | Outbound Payment Data Interface | 50                     |

**Component Description**

| <u>Component Name</u> | <u>Pages Included</u> | <u>Page Order</u> | <u>Properties</u> |
|-----------------------|-----------------------|-------------------|-------------------|
|                       |                       |                   |                   |
|                       |                       |                   |                   |

| <u>Standard Search Record</u> | <u>'Add Mode' Search Record</u> | <u>Allowed Actions</u> |
|-------------------------------|---------------------------------|------------------------|
|                               |                                 |                        |
|                               |                                 |                        |

**Menu Description**

| <u>Menu</u> | <u>Bar Name</u> | <u>Group Name</u> | <u>Item Name</u> |
|-------------|-----------------|-------------------|------------------|
|             |                 |                   |                  |

**PeopleCode Description**

- N/A

**BATCH OBJECTS IMPACT INVENTORY & DESCRIPTION**

*Program Description*

*Business Logic / Calculation Rules*

**PSEUDO CODE**

The main SQL to extract data from AP tables.

```
select
/*+ parallel(e, 8) */
E.LEDGER
,F.CF_ATTRIBUTE
,substr(E.DEPTID,1,3)
,E.PROGRAM_CODE
```



```
,E.FUND_CODE
,E.PRODUCT
,E.ACCOUNT
,E.PROJECT_ID
,E.BUDGET_REF
,E.CLASS_FLD
,E.CHARTFIELD1
,E.CHARTFIELD2
,E.CHARTFIELD3
,E.OPERATING_UNIT
,C.VOUCHER_ID
,C.VENDOR_ID
,V.NAME1
,VA.ADDRESS1
,VA.ADDRESS2
,VA.ADDRESS3
,VA.ADDRESS4
,VA.CITY
,VA.COUNTY
,VA.STATE
,VA.POSTAL
,VA.COUNTRY
,SUM(E.MONETARY_AMOUNT)
FROM PS_PAYMENT_TBL A, PS_PYMNT_VCHR_XREF B, PS_VOUCHER C, PS_VOUCHER_LINE D,
PS_DISTRIB_LINE E, PS_CF_ATTRIB_TBL F, PS_VENDOR V, PS_VENDOR_ADDR VA
WHERE A.BANK_SETID = B.BANK_SETID
  AND A.BANK_CD = B.BANK_CD
  AND A.BANK_ACCT_KEY = B.BANK_ACCT_KEY
  AND A.PYMNT_ID = B.PYMNT_ID
  AND A.PYMNT_DT BETWEEN $BeginFiscalYr AND SYSDATE
  AND B.BUSINESS_UNIT = C.BUSINESS_UNIT
  AND B.VOUCHER_ID = C.VOUCHER_ID
  AND C.BUSINESS_UNIT = D.BUSINESS_UNIT
  AND C.VOUCHER_ID = D.VOUCHER_ID
  AND D.BUSINESS_UNIT = E.BUSINESS_UNIT
  AND D.VOUCHER_ID = E.VOUCHER_ID
  AND D.VOUCHER_LINE_NUM = E.VOUCHER_LINE_NUM
  AND V.SETID = C.VENDOR_SETID
  AND V.VENDOR_ID = C.VENDOR_ID
  AND F.SETID = 'STATE'
  AND E.PROGRAM_CODE = F.CHARTFIELD_VALUE
  AND F.FIELDNAME = 'PROGRAM_CODE'
  AND F.CF_ATTRIBUTE = 'FED_STIMULUS'
```



```
AND F.CF_ATTRIB_VALUE = 'Y'
AND F.EFFDT = (SELECT MAX(ED.EFFDT) FROM PS_CF_ATTRIB_TBL ED
              WHERE ED.SETID = F.SETID
              AND ED.CHARTFIELD_VALUE = F.CHARTFIELD_VALUE
              AND ED.FIELDNAME=F.FIELDNAME
              AND ED.CF_ATTRIBUTE=F.CF_ATTRIBUTE
              AND ED.CF_ATTRIB_VALUE = F.CF_ATTRIB_VALUE
              AND ED.EFFDT <= SYSDATE)
AND V.SETID = VA.SETID
AND V.VENDOR_ID = VA.VENDOR_ID
AND V.PRIM_ADDR_SEQ_NUM = VA.ADDRESS_SEQ_NUM
AND VA.EFF_STATUS = 'A'
AND VA.EFFDT = (
SELECT MAX(VA2.EFFDT)
FROM PS_VENDOR_ADDR VA2
WHERE VA2.SETID = VA.SETID
AND VA2.VENDOR_ID = VA.VENDOR_ID
AND VA2.ADDRESS_SEQ_NUM = VA.ADDRESS_SEQ_NUM
AND VA2.EFFDT <= SYSDATE )
GROUP BY
E.LEDGER
,F.CF_ATTRIBUTE
,substr( E.DEPTID,1,3)
,E.PROGRAM_CODE
,E.FUND_CODE
,E.PRODUCT
,E.ACCOUNT
,E.PROJECT_ID
,E.BUDGET_REF
,E.CLASS_FLD
,E.CHARTFIELD1
,E.CHARTFIELD2
,E.CHARTFIELD3
,E.OPERATING_UNIT
,C.VOUCHER_ID
,C.VENDOR_ID
,V.NAME1
,VA.ADDRESS1
,VA.ADDRESS2
,VA.ADDRESS3
,VA.ADDRESS4
,VA.CITY
,VA.COUNTY
```

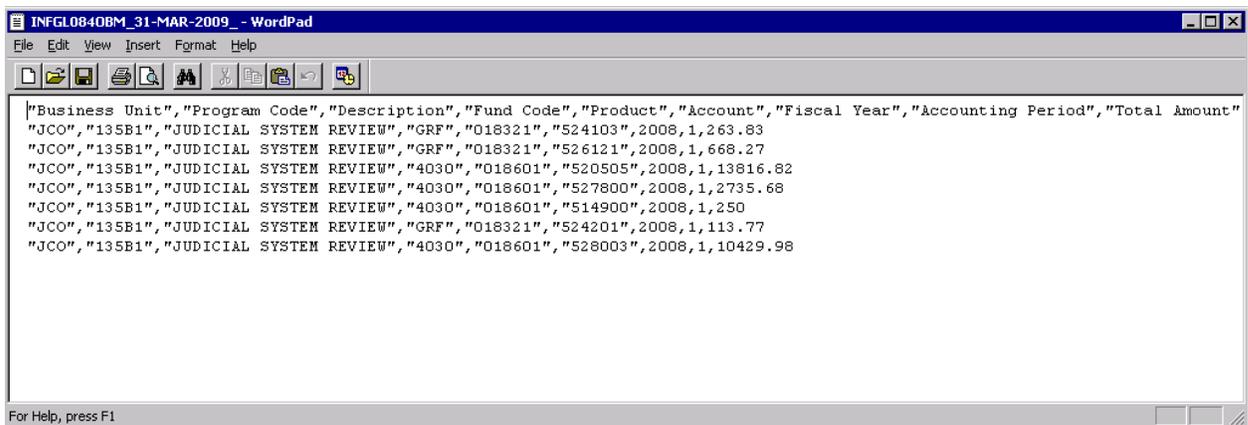


,VA.STATE  
,VA.POSTAL  
,VA.COUNTRY

**Input File**

N/A

**Output File**



**Output Information**

- LEDGER
- CF\_ATTRIBUTE
- DEPTID
- PROGRAM\_CODE
- FUND\_CODE
- PRODUCT
- ACCOUNT
- PROJECT\_ID
- BUDGET\_REF
- CLASS\_FLD
- CHARTFIELD1
- CHARTFIELD2
- CHARTFIELD3
- OPERATING\_UNIT
- VOUCHER\_ID
- VENDOR\_ID
- NAME1
- ADDRESS1
- ADDRESS2
- ADDRESS3
- ADDRESS4
- CITY



COUNTY  
STATE  
POSTAL  
COUNTRY  
MONETARY\_AMOUNT

***Interface Control Totals***

- N/A

**APPLICATION ENGINE**

N/A

**APPLICATION MESSAGING**

N/A



## **REPORTING**

- N/A

## **MANUAL FORMS**

- N/A

## **WORKFLOW**

- N/A

## **CONVERSION**

- N/A



## CHANGES FROM GENERAL DESIGN/CHANGE REQUEST

- Instead of reporting expenditures at the time the expenditures are paid, the requirement for this interface has changed to reporting expenditures at the time the expenditures are distributed/posted. This would allow for reconciliation with General Ledger. Therefore, the main SQL in this interface now picks up information from the voucher accounting line table.

## TEST SCENARIOS

- Navigate to the run control page (**Home → General Ledger → Batch Processes → Stimulus Interface**) and verify that the Fiscal Year showing on the run control page is the current fiscal year.
- Attempt to enter and run the interface with the Fiscal Year blank. The Fiscal Year is required and the page cannot be saved.
- Attempt to run the interface in which security access is not granted. Interface menu is not available.
- Run the interface and validate the interface and totals match the expected results.
- Verify that the interface contains information for program codes which have an attribute of FED\_STIMULUS only.
- Verify that the interface contains information for accounts which start with '5' (expense accounts) only.
- For accounts from the OH\_ISTV\_ACCOUNTS tree, verify that the ISTV Column is marked 'Y.'



**INPUT PROVIDED BY**

| <b>Name</b>   | <b>Title, Department</b> |
|---------------|--------------------------|
| Derek Bridges |                          |
| Nick Spring   |                          |
| Matt Panchur  |                          |
| Renee Weber   |                          |

**CHANGE LOG**

| <b>Date</b> | <b>Author</b> | <b>Change Description</b>                        |
|-------------|---------------|--|
| 10/14/09    | Chavi Mohan   | Added updates to the changes from design section |
| 05/11/09    | Chavi Mohan   | Initial Draft                                    |
|             |               |  |
|             |               |  |
|             |               |  |

