

# R12 Federal Financials: Preparing for New US Treasury Reporting Requirements

Session ID#12822

Larry Baugh

Apps Ingenuity LLC

<http://www.oraclefedapps.com>

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# Introduction



## Larry Baugh

- 14+ years Oracle Federal Financials Functional/Technical Experience
- Emphasis Areas: GL, Budget Execution, Fed Admin, AR, AP, Fed Reporting, PA, PO, iProc, Proc Contracts, CLM, XML/BI Publisher, Discoverer, SQL, PL/SQL, etc
- Sample Federal Customers: DOI-IBC, USAF-DEAMS, DFAS, TMA, SBA, multiple DOE, DoD, and other Fed Civilian entities
- Recent Role: Solution Architect/Co-PM for US Dept. of Interior National Business Center (DOI-NBC) Shared Services Environment Release 12.1.3 Upgrade and Sustainment
- 5<sup>th</sup> year presenting at Collaborate

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# Agenda



- What is GTAS?
- Oracle's GTAS Answer
- Deploying Oracle's GTAS Solution
- Executing GTAS Reporting
- Preparing for live GTAS Reporting in FY '14

## Objectives:

- To introduce the R12 Federal Financials GTAS functionality
- Share info and experiences focused on flattening the GTAS learning curve and better enabling GTAS success across the Fed Financial community.



# What is GTAS?

- GTAS – Governmentwide Treasury Account Symbol Adjusted Trial Balance System.
- GTAS will replace existing FACTS I, FACTS II, IFCS and IRAS systems and serve as the single system for reporting US Federal Agencies' trial balance information to the US Treasury.
- GTAS reporting becomes mandatory starting with Fiscal Year 2014 data. 1<sup>st</sup> required GTAS reporting will occur in early DEC '13.
- Agencies have mandatory GTAS Testing that needs to be completed by June 30, 2013.



<http://www.fms.treas.gov/gtas>



# What is GTAS?

- GTAS reporting includes full budgetary and proprietary trial balance reporting for all an Agency's Treasury Account Symbols (TASs).
- GTAS only allows bulk file uploads from Agency financial systems.
  - Agencies and users who typically have always reported FACTS I/II manually will not be able to do this with GTAS file loads.
- The transition to GTAS includes multiple Federal Financial data element changes that impact GTAS reporting.
  - 6 Digit USSGL
  - 3 digit Agency Identifier values
  - Revised Fund Type values
  - New Authority Duration values of 'R' (Receipt) and 'F' (Clearing/Suspense)
- GTAS improves US Treasury Financial Data quality by implementing new edits and validations.

*“All TAS must pass all validations and the fatal edits for the agency to successfully meet the mandatory test requirement.”*

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# Oracle's GTAS Solution



- Patches for supporting the GTAS Reporting requirement released in 3 phases: Phase I – May '12, II – Dec '12 ,III – Mar '13. (R12)
- Phase III Patch (14373350) is cumulative, no need to apply the phase I/II patches.
- Key GTAS My Oracle Support (MOS) Notes:
  - GTAS Phase I, II, and III (Part 1) [ID 1530723.1] (R12)
  - GTAS Phase I, II, and III (Part 2) [ID 1530734.1] (R12)
  - 11i GTAS Phase I, II and III (Part 1)[Article ID 1536888.1]
  - 11i GTAS Phase I, II and III (Part 2)[Article ID 1536907.1]
- An additional set of enhancements (Phase IV), related to enhanced Trading Partner TAS/BETC tracking/reporting, is yet to be released. This functionality is not required for the initial GTAS go-live in FY '14.
- The GTAS patches retire the existing FACTS I/II functionality, so GTAS patches should not be applied in Prod until finished w/FACTS I/II for '13.



# Oracle's GTAS Solution\*



New Concurrent Programs - Setup/Migration	PL/SQL
GTAS Migration	FV_GTAS_AGENCY_ID_UPGRADE.MAIN
GTAS Attributes Table Setup	FV_SETUP_PKG.GTAS_ATTRIBUTES
GTAS Federal Accounts Creation Process	FV_GTAS_INTERFACE.GET_FEDERAL_ACCOUNTS
Migrate FACTS End Bal to GTAS End Bal	FV_UPG_FACTS_EB_TO_GTAS

New Concurrent Programs - Reporting Execution	PL/SQL	BI Pub Data Definition
GTAS Activity Balance Creation Process	FV_GTAS_GL_PKG.MAIN	
GTAS Activity Balance Exception Report		FVGTACTBALEXC
GTAS Interface Process	FV_GTAS_INTERFACE.MAIN	
GTAS Interface Exception Report		FVGTINTEXC
GTAS Bulk File	FV_FLATFILES.MAIN	
GTAS Bulk File Interface Report		FVGTINTATB
GTAS Trial Balance Report	FV_GTAS_TBAL_TRX_PKG	FVGTASTB
GTAS Transaction Register Report	FV_GTAS_TRX_REGISTER	FVGTASTR

\*Based on FV.B Patch  
14373350 contents

Updated Concurrent Programs - Setup	PL/SQL
Rollover Treasury Account Symbols	FV_CGAC_CRT_TAS



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# Oracle's GTAS Solution\*



New/Updated FV Professional Forms
Define Budget Codes
Define Budget Distribution
Define Budget Transaction Types
Define Federal System Parameters
Define Federal Year End Close
Define Fund Attributes
Define GTAS Attributes
Define Program Reporting Codes
Define TAS/BETC Mapping
Define Trading Partner TAS/BETC Mapping
Define Treasury Account Symbols
Define USSGL accounts
Enter Budget Authority
Enter Fund distributions
Enter Reprogramming Transactions
Federal Financial Options

Misc Updates
b13603188_gdf.ltd - Supplier DFF configs
b13603188_lkups.ltd - Lookups
b13603188_valst.ltd - Value Sets
fvprog.ltd - Conc Programs
fvfcusgl.ltd - USSGL
fvgtattb.ltd - GTAS Attributes
fvlkups.ltd - Lookups
fvmenus.ltd - Menus
fvreqgr.ltd - Request Group updates
fvxdo.ltd - XDO LOB (XML Pub) load

odf/xdf updates (View and Table Defs)	
fvbet.odf	fvfst.odf
fvfct.odf	fvfv.odf
fvfs.odf	fvgtas.odf
FV_GTAS_HEADER_ID_GT.xdf	

\*Based on FV.B Patch 14373350 contents

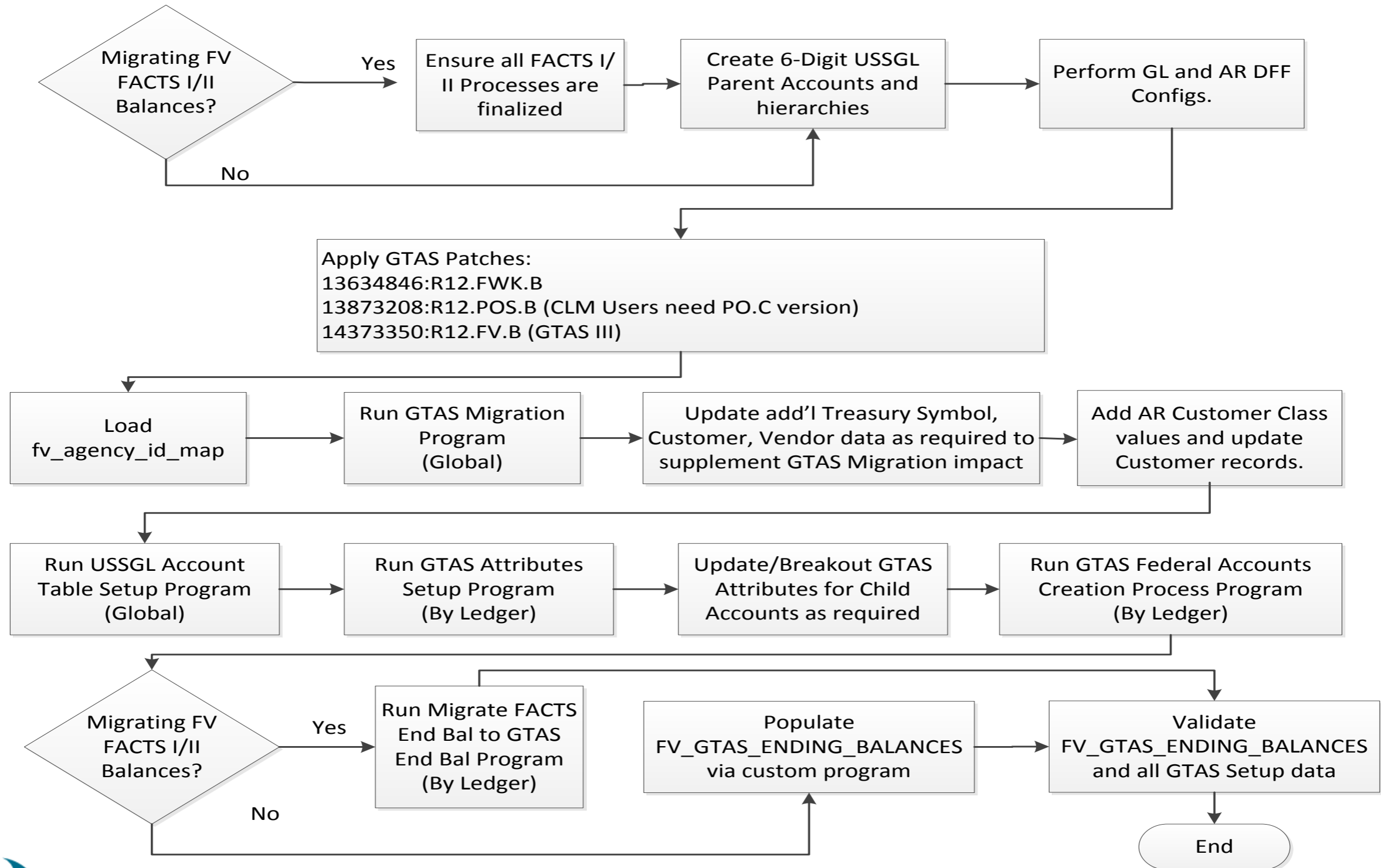


No FV\_SLA Package Updates =





# GTAS Solution Deployment



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# GTAS Solution Deployment



- Numerous programs, scripts, and/or manual steps are necessary to properly deploy the GTAS solution and migrate the requisite ending balances.
- Per MOS Note 1530734.1, if an agency is not currently using the FACTS I/II functionality:
  - “...the customer will be responsible for populating the GTAS Ending Balances table for the prior year post closing balances in order to provide proper 1<sup>st</sup> GTAS reportable year beginning balances.”
- Agencies need to identify whether a custom conversion program will need to be developed to support this requirement.
- The R12 MOS Notes 1530723.1 and 1530734.1 should be reviewed in detail to further understand all the required migration steps.



# 6 Digit USSGL

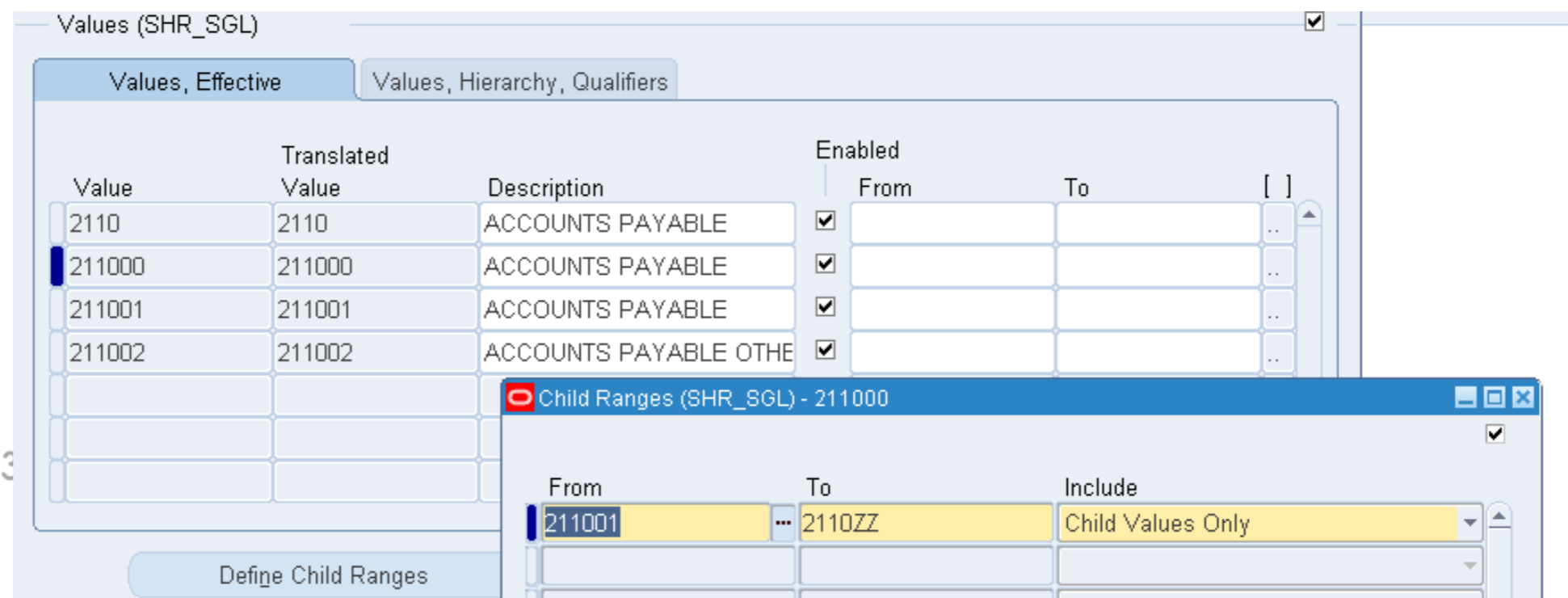
- Can be done manually or via some solution such as dataloader.
- A PL/SQL script can be created to create the flex\_values and hierarchies using APIs such as `fnd_flex_loader_apis.up_value_set_value` and `fnd_flex_loader_apis.up_val_norm_hierarchy`.
- Scripting will speed subsequent test instance and prod GTAS deployment.
- As of 8-Apr-13, child ranges setup for the 6 digit parents cannot include the parent value, otherwise the GTAS Federal Accounts Creation Process will not work properly, e.g. for parent 211000:
  - Range of 2110 -> 2110ZZ results in downstream problems
  - Range of 211001 -> 2110ZZ is successful downstream.



USSGL 6-Digit  
SQL Script



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The screenshot displays the Oracle HR Values (SHR\_SGL) interface. The main window shows a table with columns: Value, Translated Value, Description, Enabled, From, To, and [ ]. The table contains the following data:

Value	Translated Value	Description	Enabled	From	To	[ ]
2110	2110	ACCOUNTS PAYABLE	<input checked="" type="checkbox"/>			..
211000	211000	ACCOUNTS PAYABLE	<input checked="" type="checkbox"/>			..
211001	211001	ACCOUNTS PAYABLE	<input checked="" type="checkbox"/>			..
211002	211002	ACCOUNTS PAYABLE OTHE	<input checked="" type="checkbox"/>			..

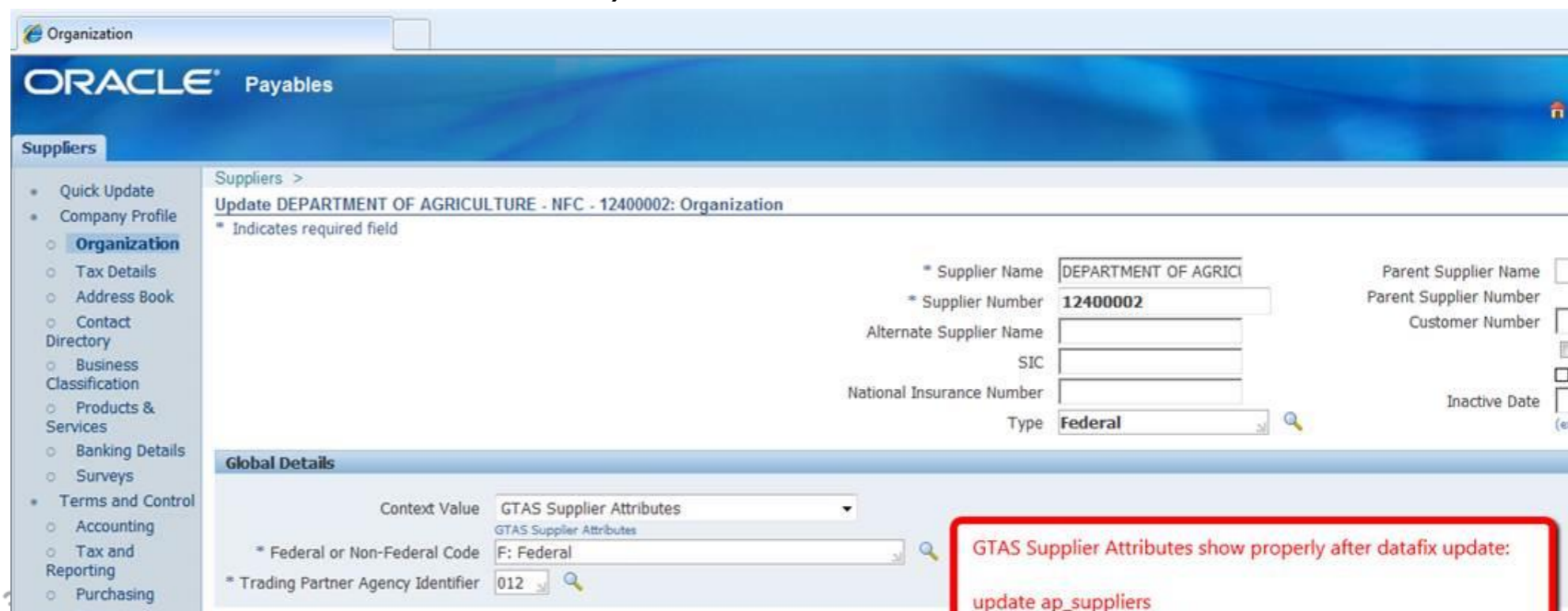
Below the table, there is a button labeled "Define Child Ranges". An inset window titled "Child Ranges (SHR\_SGL) - 211000" is open, showing a table with columns: From, To, and Include. The table contains the following data:

From	To	Include
211001	2110ZZ	Child Values Only

# New Supplier DFF Fields

- Patches 13634846:R12.FWK.B and 13873208:R12.POS.B are related to the new Supplier Form Global DFF configuration designed to support GTAS requirements.
- For Oracle R12 Contract Lifecycle Management (CLM) customers on the POS.C code-line branch, a patch is not yet available that provides the requisite update to ByrSuppAMImpl.class. The fix is intended to allow for the Global Details region for Federal Financials (typically this is only enabled when localizations are enabled).

Here is the  
Global Details  
Region rendered



The screenshot shows the Oracle Payables Supplier Form Global DFF configuration for the organization 'DEPARTMENT OF AGRICULTURE - NFC - 12400002'. The 'Global Details' region is highlighted, showing the following fields:

Field	Value
Context Value	GTAS Supplier Attributes
* Federal or Non-Federal Code	F: Federal
* Trading Partner Agency Identifier	012

A red box highlights the text: "GTAS Supplier Attributes show properly after datafix update: update ap\_suppliers".

# New Supplier DFF Fields



Suppliers >

Update DEPARTMENT OF AGRICULTURE - NFC - 12400002: Organization

\* Indicates required field

\* Supplier Name DEPARTMENT OF AGF  
\* Supplier Number 12400002 P:  
Alternate Supplier Name  
SIC  
National Insurance Number  
Type Federal

## Additional Information

\* Type FEDERAL  
Federal  
\* Trading Partner 12  
ALC 12400002  
\* GTAS Federal or Non-Federal Code F: Federal  
\* GTAS Trading Partner Agency Identifier 012

Value 012 for the flexfield segment GTAS Trading Partner Agency Identifier does not exist in the value set FV\_GTAS\_SUPPLIER\_TP\_AGENCY\_ID.

As a temporary workaround, any CLM customers can re-configure the standard PO Vendors DFF to expense the applicable ap\_supplier GTAS fields to support testing.

The image shows two screenshots from the Oracle EBS interface. The left screenshot is the 'Descriptive Flexfield Segments' window for the 'Vendors' application. It shows the configuration for the 'TRADING PARTNER' segment, including the 'Context Field' (VENDOR\_TYPE\_LOOKUP\_CODE) and a list of 'Context Field Values' (FEDERAL, FOREIGN, NON FEDERAL, NON-FEDERAL) with their respective descriptions and enabled status. The right screenshot is the 'Segments Summary (Vendors) - FEDERAL' window, which displays a table of segments and their associated value sets. The table includes columns for Number, Name, Window Prompt, Column, Value Set, and Enabled/Displayed status.

Number	Name	Window Prompt	Column	Value Set	Enabled/Displayed
10	TRADING PARTNER	Trading Partner	ATTRIBUTE1	FV_7_CHARS	✓
20	ALC	ALC	ATTRIBUTE2	FV_8_CHARS	✓
30	FED_NON_FED_CODE	GTAS Federal or Non-Fed	GLOBAL_ATTRIBUTE4	FV_GTAS_SUPPLIER_FNF	✓
35	CTRL_PARAMETER	CTRL_PARAMETER	GLOBAL_ATTRIBUTE20		✓
40	TRADING_PARTNER_A	GTAS Trading Partner Ag	GLOBAL_ATTRIBUTE5	FV_GTAS_SUPPLIER_TP	✓



# GTAS Migration Program



- The standard new GTAS Migration program (FV\_GTAS\_AGENCY\_ID\_UPGRADE pkg) will convert FV treasury symbol data, along with Customer/Supplier Trading partner data to new values.
- The program will execute the upgrade for all ledgers in an environment at once.
- In addition to the seeded migration capability, agencies will almost certainly need to supplement with additional updates.
- fv\_treasury\_symbols, fv\_facts\_federal\_accounts, ap\_suppliers, hz\_cust\_accounts records should be reviewed diligently to ensure data is migrated properly.
- Suggest scripting additional required updates.



GTAS Migration  
Sample Output



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Submit Request

Run this Request...

Copy...

Name GTAS Migration

Operating Unit

Parameters

Language American English

Language Settings...

Debug Options

# GTAS Migration Program



The seeded GTAS Migration program does not update Treasury Account Symbol values to the new 3-Digit Agency ID values. Although not required, this disconnect can become confusing to users and agencies may want to consider updating the values manually or via script.

Define Treasury Account Symbols (SET\_OF\_BOOKS)

Agency Identifier: 424  
Main Account Code: 0310  
Federal Account Symbol Title: Operations Fund  
Budget Bureau Code:   
Budget Account Code:   
Start Date: 01-OCT-1997  
End Date:   
Non Federal Exception Allowed:

**Agency ID Updated**

**Treasury Symbol is NOT Updated by the GTAS Migration Program**

Sub-Level Prefix Code	Allocation Transfer Agency Identifier	Authority Duration Code	Beginning Period Of Availability	Ending Period Of Availability	Availability Type Code	Sub-Account Code	Treasury Account Symbol
		A: Annual	2010	2010		000	95100310
		A: Annual	2011	2011		000	95110310
		A: Annual	2012	2012		000	95120310
		A: Annual	2013	2013		000	95130310
		X: No-year			X: No-year	000	95X0310

Treasury Account Symbol (TAS) | Attributes | Other

TAS/BETC Mapping | Fund Attributes



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# GTAS Migration Program



## GTAS Migration Program

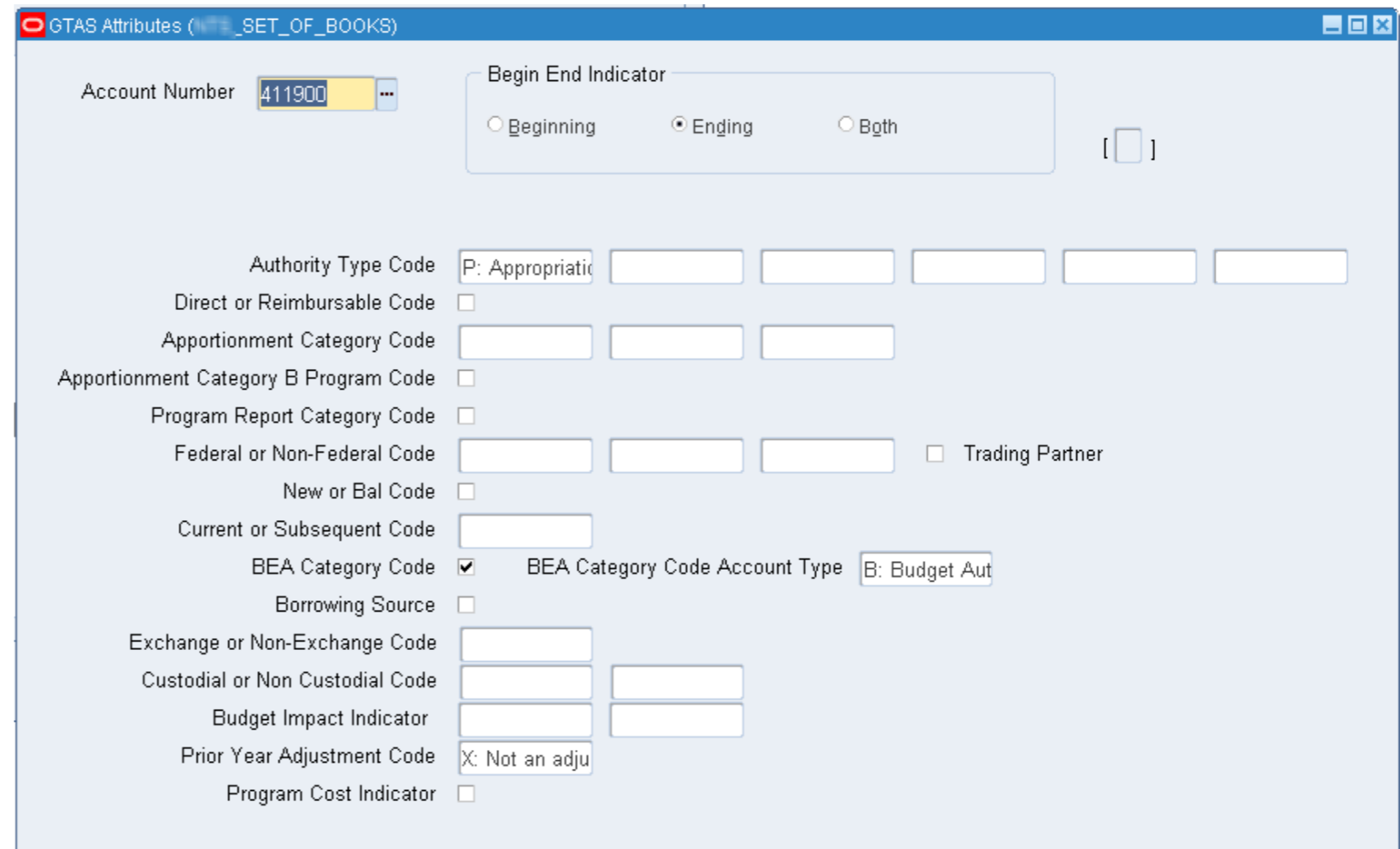
- Did not result in any 'R' or 'F' Authority Duration Code updates as expected.



# GTAS Attributes

## GTAS Attributes Table Setup Process

- Loads up the FV\_GTAS\_ATTRIBUTES table with seeded attribute data provided.
- Needs to be run for each ledger that will be reporting GTAS.
- Seeded data can be changed/enhanced.
- Mirrors FACTS I/II Attributes.



GTAS Attributes (FV\_SET\_OF\_BOOKS)

Account Number: 411900

Begin End Indicator:  Beginning  Ending  Both

Authority Type Code: P: Appropriatic

Direct or Reimbursable Code:

Apportionment Category Code: [ ] [ ] [ ]

Apportionment Category B Program Code:

Program Report Category Code:

Federal or Non-Federal Code: [ ] [ ] [ ]  Trading Partner

New or Bal Code:

Current or Subsequent Code: [ ]

BEA Category Code:  BEA Category Code Account Type: B: Budget Aut

Borrowing Source:

Exchange or Non-Exchange Code: [ ]

Custodial or Non Custodial Code: [ ] [ ]

Budget Impact Indicator: [ ] [ ]

Prior Year Adjustment Code: X: Not an adju

Program Cost Indicator:

# GTAS Federal Accounts Creation

## GTAS Federal Accounts Creation Process

- Loads up the FV\_GTAS\_FED\_ACCOUNTS table with “...records for GL accounts that require GTAS attributes that cannot be derived directly from the Accounting Flexfield.”
- Needs to be run for each ledger that will be reporting GTAS.
- Mirrors FACTS I Federal Accounts Creation Process.



GTAS Federal  
Accounts Creation Ou



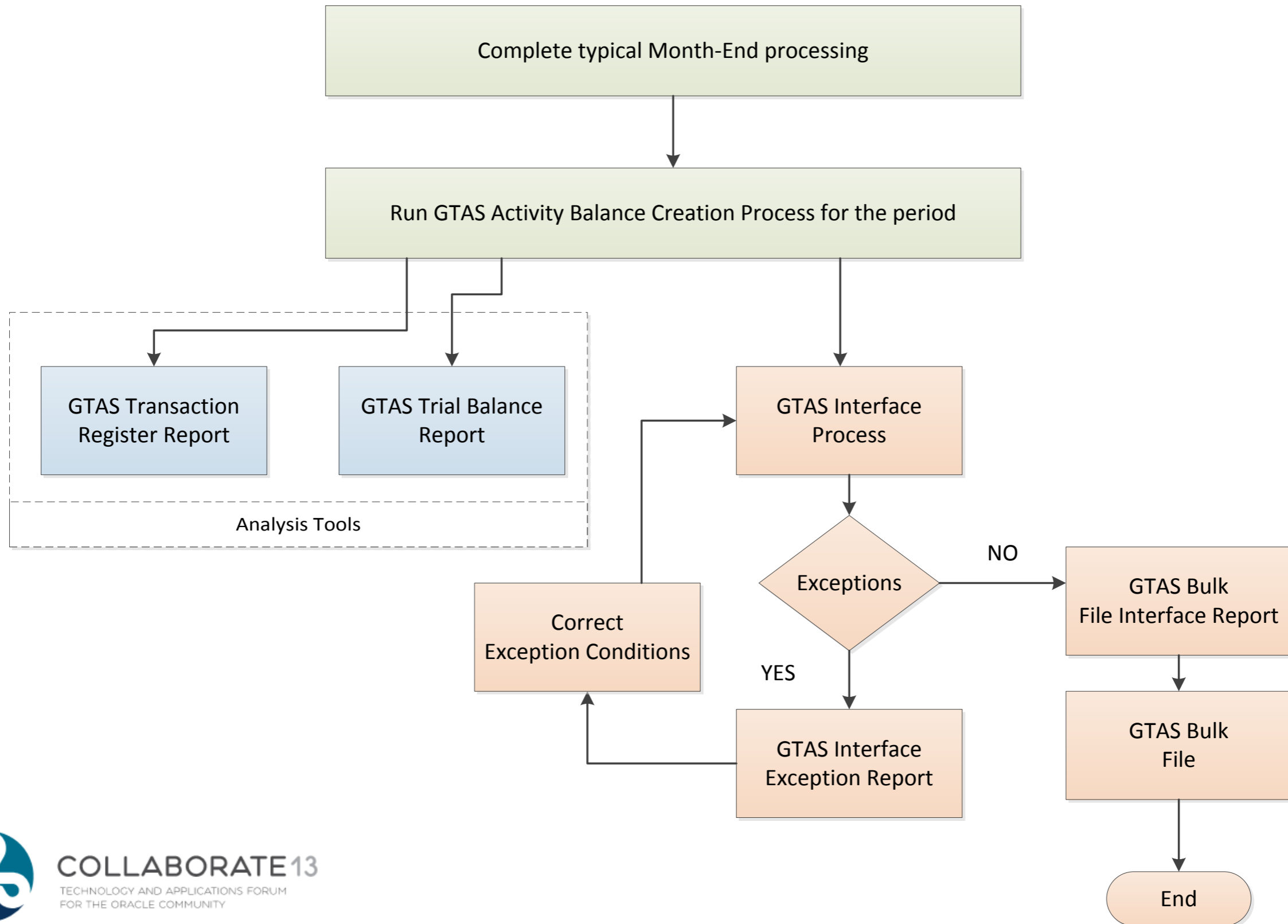
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# GTAS Ending Balance Migration



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# GTAS Reporting



# GTAS Activity Balance Creation



## GTAS Federal Accounts Creation Process

- Populates FV\_GTAS\_ACTIVITY\_BALANCES table“...with GTAS attribute data that cannot be derived directly from segments on the Accounting Flexfield.”
- Mirrors FACTS I Journal Creation Process.
- Can recreate the whole current year or leave current data as-is and supplement.
- Attributes derived include: Authority Type Code, Trading Partner Agency Identifier, Trading Partner Main Account
- Exception Report will identify issues

Currently, a bug in the FV\_GTAS\_GL\_PKG.  
GET\_AUTHORITY\_TYPE\_CODE  
procedure causes failures when  
used with multiple ledgers.

Submit Request

Run this Request... Copy...

Name: GTAS Activity Balance Creation Process

Operating Unit

Parameters

Language

Ledger: \_SET\_OF\_BOOKS

To Period: OCT-13

Re-create Activity Balances:  Yes  No

At these Times... Run the Job

Upon Completion...

OK Cancel Clear Help

# GTAS Interface Process

- Populates FV\_GTAS1\_PERIOD\_ATTRIBUTES table to stage the data for creating the GTAS Bulk File Extract.
- Populates FV\_GTAS1\_REPORT\_T2 with Exception Data encountered.
- Produces GTAS Interface Exception Report or GTAS Bulk File Interface Report/Bulk File as applicable.



GTAS Interface  
Exceptions



Bulk File Interface  
Report



GTAS Bulk File  
Example

**Submit Request**

Run this Request... Copy...

Name:

Operating Unit:

Parameters:

Language:

---

At these Times...

**Parameters**

Ledger:

To Period:

Agency ID Low:

Agency ID High:

Main Account Low:

Main Account High:

Save Ending Balances:  No

Generate Reports:  Yes

OK Cancel

Request ID	Name	Parent	Phase	Status	Parameters
16081424	GTAS Trial Balance Report		Completed	Normal	144, 50535, , , OCT-13, 034, 0
16081419	GTAS Bulk File		Completed	Normal	FVGBLKCR, , 2, 2013, 144, 0
16081418	GTAS Bulk File Interface R		Completed	Normal	144, OCT-13, 2, 2013, 034, 03
16081416	GTAS Interface Process		Completed	Normal	144, OCT-13, 034, 034, 6340, I
16081412	GTAS Interface Exception I		Completed	Normal	144, OCT-13, 034, 034, 6340, I
16081411	GTAS Interface Process		<b>Completed</b>	<b>Error</b>	144, OCT-13, 034, 034, 6340, I



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# GTAS Transaction Register



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# GTAS Trial Balance



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# Preparing for Dec' 13 (FY14)



- Continue working with Oracle's GTAS solution in test to shake out additional bugs.
- Clean-up Fed Financials Treasury Symbol data element values to ensure compliance with the Super Master Account File (SMAF) values.
- Clean-up any Trial Balance issues that fail GTAS edits.
- Document GTAS configurations precisely to migrate configurations to production properly.
- Test existing and newly entered data to ensure the GTAS code is reporting data properly.
- If upgrading to R12 during FY14 or after, suggest testing to make sure 11i and R12 data is reported properly by the R12 GTAS extract programs.
- Identify areas of poor performance with the GTAS code and investigate tuning methods to improve run-times.
- Get Reporting POCs up to speed on GTAS.
- Identify timelines/processes for ensuring processing is complete in time to support bulk-file creation.

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# Summary



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# Thanks for attending

**Questions/Comments??**

**Larry Baugh**

Larry.Baugh@AppsIngenuity.com

Blog - <http://www.OracleFedApps.com>

Twitter - @OracleFedApps

[www.linkedin.com/in/larrybaugh](http://www.linkedin.com/in/larrybaugh)

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