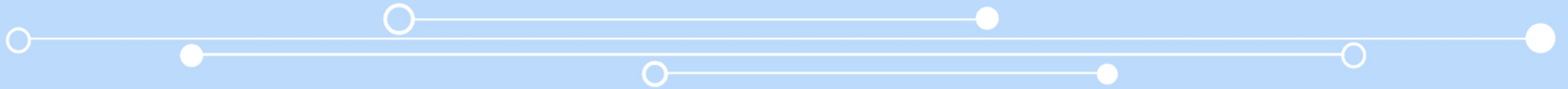


Texas A&M System USAS/FAMIS Workshop

FAMIS, USAS, ABEST, and Business Objects Integrations

May 23, 2024



Mark Schulz

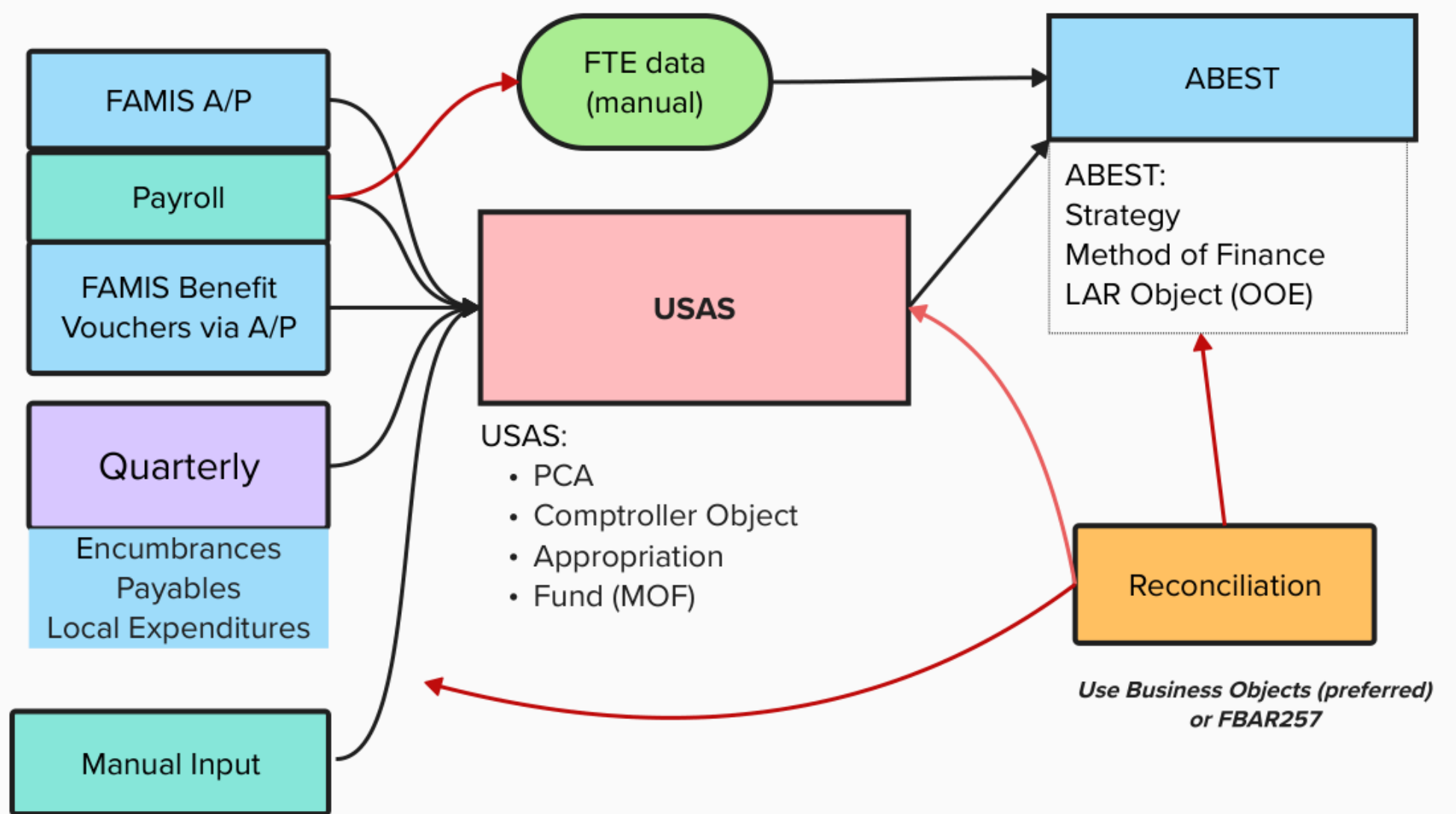
A&M System Deputy Chief Information Officer

Agenda



- Overview of FAMIS / USAS / ABEST Integrations
- Data Elements
- Mapping Explanation
- ABEST Reconciliation
- USAS History Extract – Business Objects
- Possible Future Changes

FAMIS Integrations and Data Flow





Definitions and Data Elements

Let's quickly look at some critical definitions

In the Bill Pattern



- Appropriated funds from the State
- Funds from Other Sources which are defined in the General Appropriations Act
- *FAMIS and Business Objects have not officially defined attribute or firm definitions for these funds*
- *Usually defined by SL account range*

Method of Finance (MOF)

- 
- Breakdown of funds in the Bill Pattern
 - Assignment by State Fund (D22) and possibly appropriation

FAMIS reports local funds to USAS in the fund 7999

LAR / LBB Object of Expense

- Category of Expense
- USAS maps from Comptroller Object
- FAMIS mapping is on screen 806

```
F0001 Please enter a screen number to continue
806  Maintain SL Subcode Descriptions

Screen:   Subcode: 4010 View Master Campus:  
05/20/24 11:14
FY 2024 CC 01
PANEL: 01MORE>>

   State LBB  LAR  Bud  IDC  FREEZE
F Sbcd  Description  Code Code Code Pool Exmpt HUB Date
_ 4010 Supplies - Office General_____ 7300 2003 2003  _   *
_ 4011 Supplies - Paper Goods & Janitorial 7300 2003 2003  _   *
_ 4012 Supplies - Education_____ 7300 2003 2003  _   *
_ 4013 Supplies - Research_____ 7300 2003 2003  _   *
_ 4014 Supplies - Other (Incl. Ammunition) 7300 2003 2003  _   *
```

Strategy



- Defined in coordination with the LBB
- Mapped from USAS Program code – which are almost always the same as the LBB Strategy
- USAS program code is mapped from the PCA – (USAS 26 screen)

FAMIS PCA Calculation



First: Determine the Strategy (Screen 840)

- *Defined by the SL account and the object code*
- *Finds the Account and Object code in the ranges on 840*

Second: Use the last digit for NACUBO Function

More or less unchanged since 1994

- *Question: Is the mapping to NACUBO function still required by USAS?*

FAMIS Strategy Table – screen 840

```


F0013 Please enter desired modifications
 840 Maintain USAS Strategy Table                                03/28/24 14:38
                                                                FY 2024 CC 21

Screen:    Appropriation Year: 2024 Starting High Acct:     

   Acct   Acct   S/C   S/C
   Low    High   Low   High   Goal Obj  Strat  Description
- 110001 119999 1100 8999  1980 2980 3980  HE PERF INCENTIVE INITIATIVE__
- 110001 119999 1100 8999  1980 2980 3980  HE PERF INCENTIVE INITIATIVE__
- 120010 122090 1100 8999  1701 2701 3701  OPERATIONS SUPPORT_____
- 122091 122091 1100 8999  1008 2020 3061  INDUSTRIAL ENG PROGRAM_____
- 122092 132000 1100 8999  1701 2701 3701  OPERATIONS SUPPORT_____
- 132001 132001 1100 8999  1980 2980 3980  HEF LIBRARY-NON ABEST_____
- 132100 132110 1100 8999  1701 2701 3710  ORGANIZED ACTIVITIES_____
- 132111 132610 1100 8999  1701 2701 3701  OPERATIONS SUPPORT_____
- 132650 132650 5900 5929  1980 2980 3980  HAZELWOOD APPROP-FY15_____
- 132700 132700 5900 5929  1008 2023 3058  LICENSE PLATE-RIDER APPROP_____
- 132800 132800 5890 5929  1980 2980 3980  FIFTH YEAR ACCT SCH-NON ABEST_
- 132890 132891 1100 8999  1980 2980 4013  TX COLLEGE WORK STUDY-NON ABES
- 132892 132895 1100 8999  1980 2980 3980  ADVANCE TECHNOLOGY PROGRAM_____
- 132900 132900 5890 5929  1980 2980 3980  TEXAS GRANTS-NON ABEST_____

***** More Data -- Press <ENTER> to View *****
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Hmenu Help  EHelp
  
```

FAMIS PCA Calculation – Function mapping



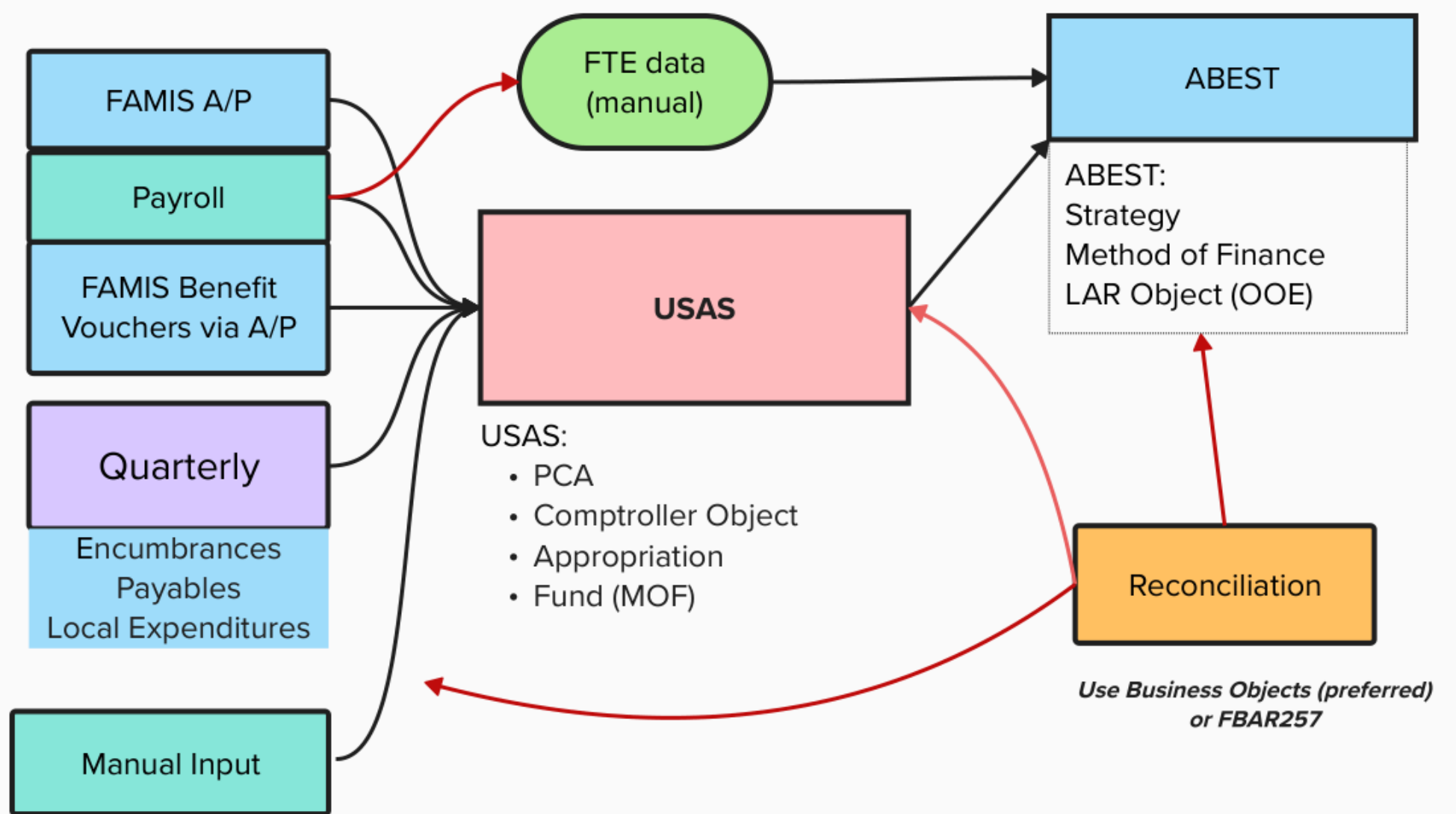
NACUBO Function	USAS PCA Suffix
10 – Instruction	0
15 – Research	1
20 – Public Service	2
25 – Academic Support	4
30 – Student Service	5
35 – Institutional Support	6
40 – Operations and Maint – Plant	7
60 – Scholarships and Fellowships	8
70 – Auxiliary	9

Since USAS does not use Function, can we change to just use “0” as the PCA suffix and reduce our number of PCAs?




FAMIS / USAS Integrations

FAMIS Integrations and Data Flow



FAMIS Accounts Payable – USAS

- 
- PCA is derived from the Account and Object code entered on the voucher line
 - Can be over-ridden on the voucher screen (used for benefit vouchers)
 - Sent to USAS on the daily A/P file
 - Batch number 500 and 505
 - VAVR030 and VAVR035 are the reports to review
 - USAS T-Codes:
 - 248 – Voucher payable – credit memo
 - 225 – Voucher Payable (not encumbered)
 - 247/904 – Reimbursement vouchers
 - 246/903 – Payroll vouchers

USAS Payroll Integration




Handled by FAMIS since December, 2017

- PCA is derived from the SL Account and the salary object code of the Salary using screen 840
- Longevity is selected the same – but with object code 1610-Longevity Pay

Legacy Hard-code overrides are in place

- FICA is forced to 8903x for fund 0001 (any member), all TEEX, WTAMU, and TEES, and TTI fund 0006
- Should this instead come from the FAMIS bank?


USAS Payroll Integration - Continued

- 
- USAS Payroll file normally uses batch number: 400
 - USAS Doc Type: 6
 - USAS T-Code: 246/903

If insufficient expenditures exist to cover credits – all credits for the fund are moved to a deposit batch

- Batch number: 400
- USAS doc type: 2
- USAS T-code: 180

USAS Benefit Voucher Integration

- 
- Longstanding FAMIS Process (FBPR096)
 - PCA based on the SL account charged and the object code of the benefit expense (Screen 840)
 - Vouchers are sent to the FAMIS A/P module and data is sent to USAS is the regular daily A/P process (Batches 500/505)

Legacy Hard-code overrides are in place

- GIP is forced to 8915x for fund 0001 (bank begins with a “1”)

USAS Quarterly Reporting – Payables




- Job VS098 – Report VSMR098
- PCA lookup via FAMIS screen 840
- Reports outstanding vouchers (payables) from the FAMIS Voucher table.
- All funds – including local
- Batch Type: 4 / Batch Number 750
- Transaction code 420


TO RECORD ACCOUNTS PAYABLE FOR ITEMS WHICH WERE NOT ENCUMBERED. THIS ENTRY IS MADE MONTHLY OR YEARLY FOR REPORTING PURPOSES ONLY. IT WILL BE REVERSED AT THE BEGINNING OF THE NEXT ACCOUNTING PERIOD BY USAS.

Reversed by an automated process – with TC: 421

USAS Quarterly Reporting – Local Funds

- 
- Job AR314 (FBAR314/FBAR315) reports local funds in the bill pattern
 - Bill pattern defined by combination of SL ranges and FAMIS hardcoding
 - Creates USAS 642 T-code (local fund expenditures)
 - USAS Batch 650 – Batch Type 5
 - Special handling for Contract Work force
 - Reduces amount expended by vouchers payable. **Note:** those are converted to expenses in the next quarter by FBAR471 process

USAS Quarterly Reporting – Open Commitments


- 
- Job QR031 – Report FBMR031
 - PCA lookup via FAMIS screen 840
 - Reports Open commitments-All funds – including local
 - Batch Type: 3 / Batch Number 700
 - Transaction code 207

TO RECORD MONTH END OR YEAR END ENCUMBRANCE SUMMARY BALANCES. THIS TRANSACTION WILL BE REVERSED BY THE SYSTEM GENERATED TCODE 211.



USAS / ABEST Reconciliation Tools


USAS / ABEST Reconciliation

- 
- FBAR257 – this utility report has been used to report all funds by strategy and LAR object code
 - For state funds – only select rows where AY = FY
 - Difficult to drill down
 - Difficult to operators to setup and run. **Note:** Prodcards may need changes every time a different fiscal year is requested.

USAS / ABEST Reconciliation


- 
- Business Objects – Strategy Reports
 - Financial Transactions
 - Open Commitments
 - FTE from Payroll
 - Budget module detail
 - The FBAR257 and Business Objects Strategy reports are both currently driven by the screen 840 table and may not reflect accurate payroll overrides for FICA and GIP
 - They both reflect ‘fresh’ lookups into the 840 table to determine the PCA/Strategy and
 - May not match the posting on the original integration
 - This is why we need to review the hard-coding

USAS / ABEST Reconciliation – Possible Issues


- 
- Errors in Screen 840 earlier in the year, or changes in screen 840 over the course of the fiscal year
 - Bank Transfers between State Appropriations (Bank transfers do not appear as expenses)
 - Overrides in the payroll process
 - State to State voucher correction (manual entry in USAS)

Note: Business Objects and FBAR257 use the values on the screen 840 at the time they are run

USAS History Extract

- 
- System office of IT is now loading the USAS History Extract to BusinessObjects daily
 - The Universe is nearing the end of develop

USAS / ABEST - Business Objects

- 
- Strategy has been added to the following Business Objects Universes:
 - Open Commitment
 - Financial Transaction
 - FAMIS Budget module



USAS – Possible Future changes

Possible PCA Calculation change

- Assign USAS strategy as account attribute – simplify screen 840 (when is object code needed – just GIP/FICA?)
- Specify strategy override on the appropriation / Bank (screen 28)
- Remove NACUBO function as the suffix
- Remove Legacy hard-coding assumptions

```

F0013 Please enter desired modifications
840 Maintain USAS Strategy Table
05/20/24 12:31
FY 2024 CC 28
Screen: ___ Appropriation Year: 2024 Starting High Acct: ___

```

F	Acct Low	Acct High	S/C Low	S/C High	Goal	Obj	Strat	Description
—	CA___	CA___	1000	9999	1800	2800	3800	CENTRAL ADMINISTRATION_____
—	CL___	CL___	1000	9999	1001	2001	3001	COLLABORATION_____
—	DD___	DD___	1000	9999	1001	2001	3001	RESEARCH - DISCIPLINARY DIV____
—	EC___	EC___	1000	9999	1001	2001	3001	COLLABORATION - ENGR CENTERS___
—	EP___	EP___	1000	9999	1001	2003	3004	EDUCATIONAL PROGRAMS_____
—	FP___	FP___	1000	9999	1800	2800	3800	CENTRAL ADMINISTRATION-FIN/HR_

Other ideas



- Automate deposit batches for corrections involving funds that need to be returned to the Comptroller
- Improve automated reconciliation of USAS appropriation balances
- Leverage USAS history extract data to compare FAMIS data by strategy to USAS data by strategy