

SCEIS Team User Update Meeting Friday, January 27, 2017



Agenda

- Welcome
- @ 2017 The Year of Efficiencies and Functionality
- Cooking Ahead
 - Governance, Risk and Compliance
- Finance Update
 - Governance, Risk and Compliance; Potential Impacts
- Materials Management
 - Contract Creation and Management to Avoid Hard Stop Messages
- Reporting Update
- Training Update
- Adjournment



2017 - The Year of Efficiencies and Functionality



2017 - Key Projects

- © SuccessFactors- Human Capital Management goal of all agencies by 2018. Learning Management, Performance Management and Succession Planning, and E-Recruiting.
- © Costing Module development taking place.
- Configuration of the Plant Maintenance functionality.
- Occument Builder: Tech schools complete and Higher Ed is being developed.
- © Governance Risk and Compliance: Segregation of Duties, Risk Analysis, Fire-fighter roles, etc...

Plant Maintenance Example

Work Order- Material Movements

Li	st of Goo	ds M	ovement	s for Ord	er: List of	Goods Movements				
₽.	S Order	Ор	Material Doc.	Doc. Date	Material	Material Description	Quantity	Unit		
	500140	0010	49019078	07.09.1999	R-1111	Motherboard M-3100	1	ST		
		0010	49019078	07.09.1999	R-1140	TFT Monitor, 17"	1	ST		
	500141	0010	49019079	07.09.1999	R-1111	Motherboard M-3100	1	ST		
		0010	49019079	07.09.1999	R-1150	Diskette Drive, 3.5", HD	1	ST		
		0010	49019079	07.09.1999	R-1160	Harddisk, 20 GB	1	ST		
		0010	49019079	07.09.1999	R-1170	Slimline PC CASE	1	ST		
	500401		4900023982	21.05.2002	R-1111	Motherboard M-3100	1	ST		
	503742	0010	4900002012	21.11.2012	R-1150	Diskette Drive, 3.5", HD	1	ST		
		0010	4900002012	21.11.2012	R-1160	Harddisk, 20 GB	1	ST		
	810181		50009736	14.10.1999		Druckprüfung der Gasrohrleitungen				
	810322		49021817	26.11.1999	100-431	Mains adaptor 100 - 240 V	4	ST		
	810324		49021916	30.11.1999	MB-1000	Carbon brushes, elec. Motor	4	ST		
	810421		5000000200	13.01.2000		Druckprüfung der Gasrohrleitungen				
	810540		5000000408	25.02.2000		Gasrohr undicht Nr.521, Standort D108,4				
	810560		4900000637	28.02.2000	100-431	Mains adaptor 100 - 240 V	4	ST		
	810562		4900000636	28.02.2000	MB-1000	Carbon brushes, elec. Motor	4	ST		
	810580		5000000650	26.02.2000		Inspektion der Feuerlöscher				
			5000000660	27.03.2000		Inspektion der Feuerlöscher				
	810620		4900001292	30.03.2000	KR117185	Distance plate	4	ST		
			4900001292	30.03.2000	W-1000	Shaft, electrical pump	1	ST		
	810680		5000000985	11.04.2000		Druckprüfung der Gasrohrleitungen				
	810741		4900002352	05.05.2000	P-1001	Pump GG Etanorm 200-1000	1	ST		
	810800	0010	4900002921	22.05.2000	100-600	Support base	2	ST		
	810820		4900003358	02.06.2000	100-431	Mains adaptor 100 - 240 V	4	ST		

PM- Equipment Data

Display Equipment: Equipment List										
9 9 4										
S Equipment	Equipment descriptn	Serial Number	Material	SysStatus	Functional Location	Description of functional location				
2009001	Test			AVLB						
2009002	2009002			INST	21-VS-1001	21-VS-1001				
2009003	2009003			INST	21-LV-4111	21-LV-4111				
2009004	2009004			AVLB						
2009005	2009005			AVLB						
2009006	2009006			AVLB						
2009007	2009007			INST	21-PA-415	21-PA-415				
10000461	Harvey-Davidsun GLAD BOY	12348	HD-1300	ECUS						
10000466	PC 486 / 100 DESKTOP	1	SERVC	AVLB EDEL						
10000467	PC 486 / 100 DESKTOP	2	DPC6	AVLB EDEL						
10000470	Maintenance Service / Confi	5	SERVC	AVLB DLFL						
10000476	PC 486/66 DESKTOP	291	R-1000	ESTO						
10000492	Pump ETA Norm 3000			AVLB						
10000496	Oscillograph			AVLB						
10000497	Test software			ASEQ						
10000498	PC 486/100 DESKTOP	1	DPC6	AVLB						
10000509	Monitor Super-VGA 17"	1	DPC2000	ASEQ ESTO						
10000510	Desktop PC1 /scenario 25 d	1000	DPC1	AVLB						
10000511	Desktop PC1 /scenario 25 d	1001	DPC1	ECUS						
10000512	Desktop PC1 /scenario 25 d	1002	DPC1	AVLB						
10000513	Desktop PC1 /scenario 25 d	1003	DPC1	AVLB						
10000514	Desktop PC1 /scenario 25 d	1004	DPC1	AVLB						
10000515	Desktop PC1 /scenario 25 d	1005	DPC1	AVLB						
10000516	Desktop PC1 /scenario 25 d		DPC1	AVLB						
10000517	D 11 DOL 1 DE 1	1007	DDC4	11/10						

PM- Work-order Time Capture

Display Confirmations								
₫ 4	3 = 7		Sa Order C	Completion confir	mation 🥏 🔀	∑ Subtotal □		
	Confirmation	Counter	Created On	Created by	Order	Σ Actual work	Un. W	
	161353	1	17.06.2015	S0007536644	504725	10.0	HR	
	128085	1	18.07.2014	HAAS	820821	1.0	HR	
	128086	1	18.07.2014	HAAS	820821	2.0	HR	
	128087	1	18.07.2014	HAAS	820821	0.5	HR	
	128088	1	18.07.2014	HAAS	820821	1.0	HR	
	131337	1	04.11.2014	MAINT_WOR	820921	2.0	HR	
	131338	1	04.11.2014	MAINT_WOR	820921	2.0	HR	
	131339	1	04.11.2014	MAINT_WOR	820921	2.0	HR	
	131340	1	04.11.2014	MAINT_WOR	820921	2.0	HR	
	131341	1	04.11.2014	MAINT_WOR	820921	2.0	HR	
	131342	1	04.11.2014	MAINT_WOR	820921	6.0	HR	
	134028	1	16.01.2015	S0010213017	820942	0.0	HR	
	134029	1	16.01.2015	S0010213017	820943	0.0	HR	
	134030	1	17.01.2015	S0010213017	820944	0.0	HR	
	134031	1	21.01.2015	S0010213017	820945	0	Н	
	135182	1	21.01.2015	S0010213017	820951	0.0	HR	
	135189	1	23.01.2015	C5191323	820956	0.0	HR	
	135191	1	22.01.2015	S0010213017	820957	0	Н	
	135192	1	22.01.2015	S0010213017	820958	0	Н	
	135197	1	26.01.2015	S0010213017	820963	0	Н	
	135197	2	28.01.2015	S0010213017	820963	0	Н	
	135229	1	26.01.2015	S0010213017	820965	0.0	HR	
	135383	1	28.01.2015	S0010213017	820969	0.0	HR	
	135765	1	04.02.2015	S0010213017	820972	0.0	HR	
	105070		05 00 0045		000075			

SCEIS Key Projects

SuccessFactors

- First Cloud based application for SCEIS
- Learning Management System
 - State-wide and/or agency training system
 - Interfaces to HR to manage employee training.
 - Agency cost-savings through enterprise system.
 - Higher quality of training.
 - Ability to manage agency policies and document review tracking.

System Projects: Heading into the Future

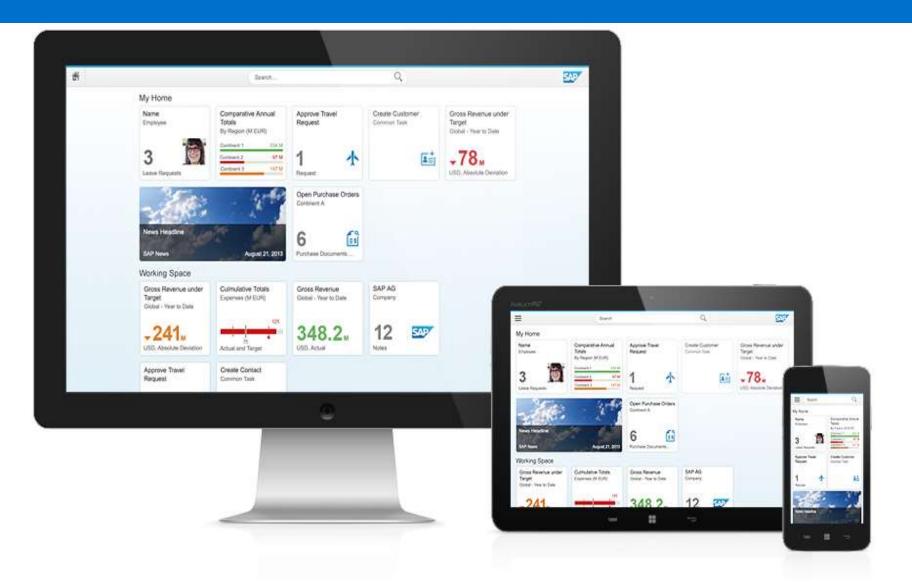
- @ Archiving: data, system, and functional
- ***Enhancement Pack 8/Unicode Migration***
- FIORI: mobile applications; foundation to SuccessFactors and Hana
- @ Hana: (2019-2025) Cloud-in-memory foundation and functional applications
 - System infrastructure/functional modules
 - Incredibly fast processing
 - Real-time analytics and expansive data capabilities

SCEIS Key Projects

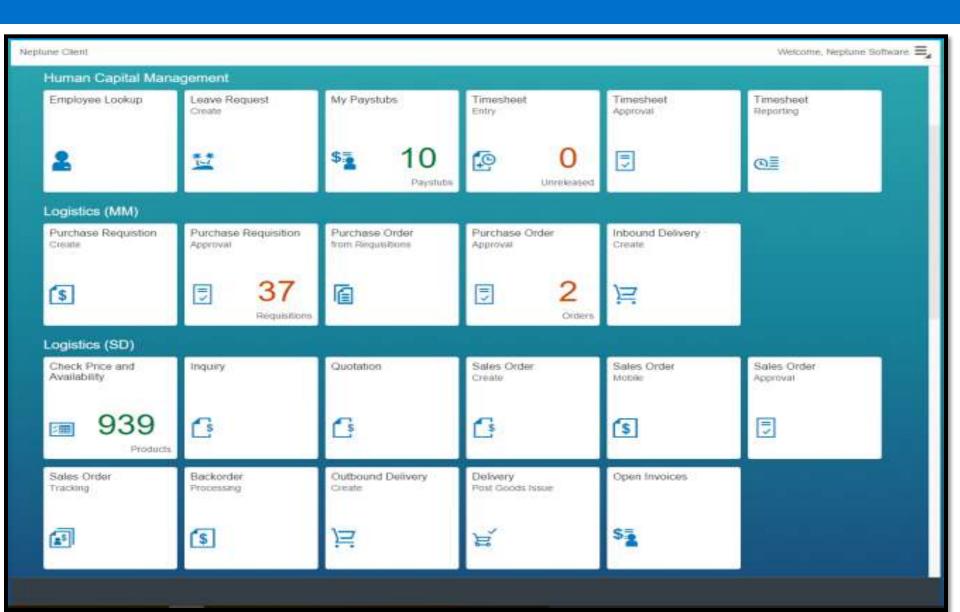
Fiori- Desktop and Mobile platforms

- Uses Work Order Management, HR, Shopping Carts, and Analytics.
- Role based 'UX' that creates process efficiencies.
- Create incredible efficiencies in daily transactions.
- Ability to limit user transactions- ex. Maintenance Tech
- Provides user same access to all functional modules and reports- based on existing security roles.

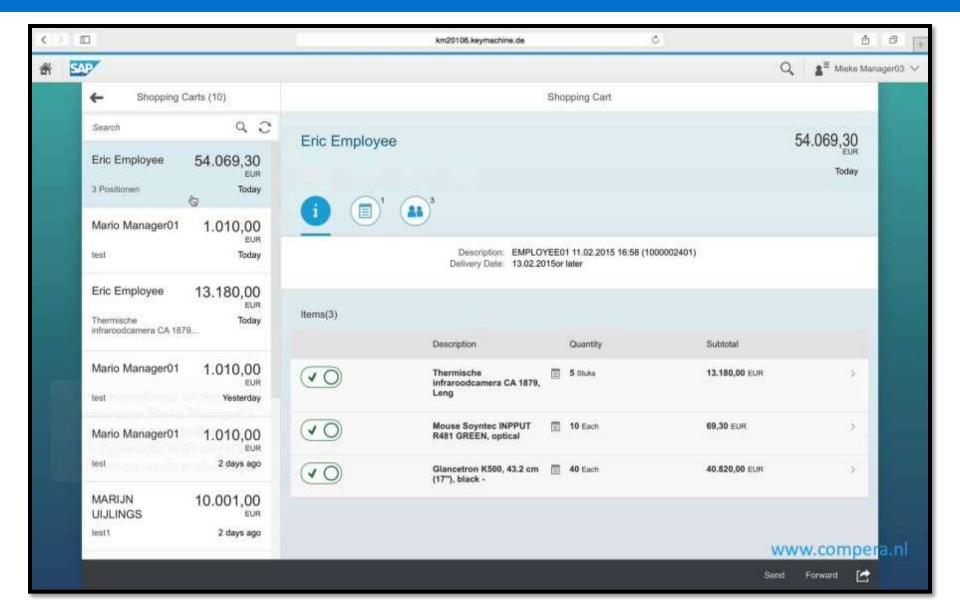
Fiori Application View



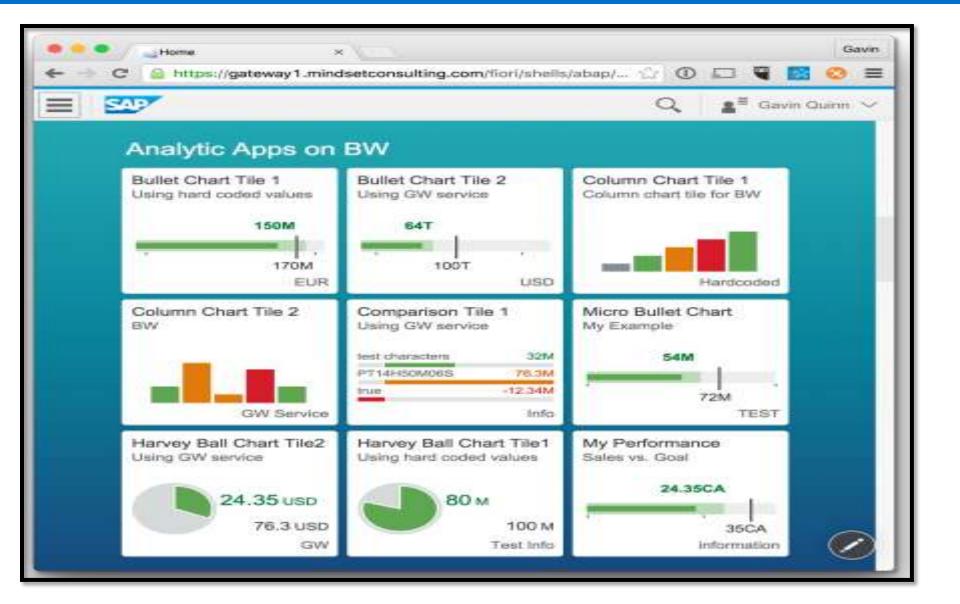
FIORI HR-MM-FI Applications



Fiori- Shopping Cart Approval



Fiori- BW Analytics





Governance, Risk and Compliance (GRC) Update



GRC Segregation of Duties Project

- Problem Statement
- Objectives
- Requirements
- Scope of Work
- Scope Diagram
- Tasks in Progress
- Roles and Responsibilities
- Next Steps
- SoD Examples

Problem Statement

Since the implementation of the SCEIS system there has been no automated process to validate the acceptability or incompatibility of agency role assignments.

An automated process needs to be implemented to effectively manage Segregation of Duties compliance.

Project Objectives

- Fix or mitigate all high level risks depending on Agency availability and participation by April, 2017.
- @ Add, change, or delete SAP out-of-box Risks to meet agency needs.
- © Engage agency personnel to help define and develop SOD Risk remediation actions (Fix, Mitigate, Eliminate).
- © Enhance existing Access Request Web system capabilities.

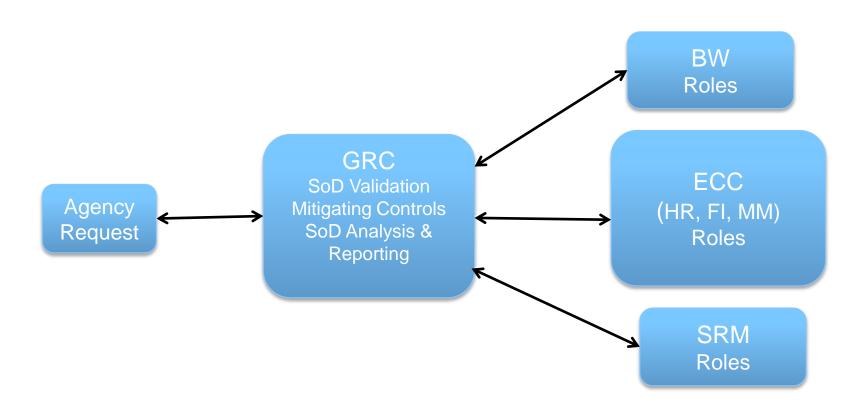
SoD Validation Requirements

- Analyze and remediate Role and User Segregation of Duty violations.
- @ Identify risk remediation options to fix or mitigate common and recurring risks across agencies.
- Opening Property P
- Provide procedures and training on how to implement and monitor mitigating controls.

Scope of Work

The scope of work for this project will include the delivery of the new GRC SoD capabilities along with procedures, training, and documentation to support the capabilities for the SCEIS agencies and agency users.

Scope Diagram - New SoD Capabilities



SoD Tasks in Progress

- Perform SoD Risks analysis for each Functional area (FI, MM, HR, SRM).
- @ Identify Fixes and Mitigating Controls for each functional area.
- Meet with Central Agency Stakeholders to gain SoD participation for approval and oversight.
- @ Identify initial list of agencies to start SoD remediation.

Central Agencies Responsibilities

Role: Provide ownership, accountability, and oversight to effectively manage Segregation of Duty (SoD) risk compliance within the State of South Carolina Enterprise Information System (SCEIS).

Responsibilities:

- Define, create, maintain SoD Policy
- Define and communicate roles and responsibilities
- Monitor and control policy compliance
- Approve exceptions to Policy

Other Agencies Role and Responsibilities



Role: Maintain SoD compliance within the agency.

- @ Responsibilities:
 - Monitor and control SoD compliance.
 - Submit requests for exceptions (mitigating controls) to Policy.

SCEIS Role and Responsibilities

Role: Support agencies in maintaining SoD compliance.

@ Responsibilities:

- Conduct SoD risk analysis to remediate existing SoD violations
- Identify and recommend mitigating controls and fixes to remediate SoD violations.
- Support agency activities to monitor and control SoD compliance.

Next Steps

- @ 1/31/17 Confirm Central Agency SoD governance board.
- @ 2/14/17 Review SoD Analysis results and Mitigating Control documents.
- @ 2/14/17 Confirm roles and responsibilities.
- @ 2/20/17 Begin SoD remediation with first agency.

How to fix SOD violations

- Fix definition in system (false positive)
- @ Remove transaction from role

@ Remove role from user

Mitigate SOD

Mitigation

Definition - Actions taken to monitor activities when business conditions require personnel to have the opportunity to exploit weaknesses. In these cases, detective controls will be put in place where preventative security controls are too restrictive to business operations.

Allows the provisioning process to continue

Mitigation

When Used?

- Small agency
- Process is different from standard SAP
- Can't fix it now because

© Examples

- Run X report and validate monthly
- Function is reviewed by audit
- All purchases made by small agencies are subject to procurement compliance review
- Central check printing AP

MM Example

- Risk M011 Receive/issue incorrect amount and adjust via IM stock count
- © Combination of Functions
 - MM01 Clear Differences Inventory Management
 - MM02 Enter Counts IM
 - MM04 Goods Movements
- © Inventory Adjuster vs. Inventory Issuer (in SCEIS SOD Policy)

MM Example – Risk M011

ZMM_IM_INV_ADM-N040 or ZMM_IM_INV_ISSUE-N040	IM:Inventory Administrator or IM:Inventory Issuer	Transfer Posting	MB1B
ZMM_IM_INV_ADM-N040 or ZMM_IM_INV_REC-N040 or ZMM_GDS_RECTR-N040	IM:Inventory Administrator or IM:Inventory Issuer or MM:Goods Receipter	Goods Movement	MIGO
ZMM_IM_INV_REC-N040 or ZMM_IM_INV_ISSUE-N040	IM:Inventory Receiver or IM:Inventory Issuer	Enter Inventory Count with Document	MI04
ec ec	es es	Change Inventory Count	MI05
ee ee	es es	Recount Physical Inventory Document	MI11
ZMM_IM_INV_ADJ-N040 or ZMM_IM_INV_ADM-N040	IM:Agency Inventory Adjuster or IM:Inventory Administrator	Process List of Differences	MI07

FI Example

- Risk P001 Create fictitious vendor and initiate payment to the vendor
- Combination of
 - Process Vendor Invoice
 - Vendor Master Maintenance
- XK01 (Create Vendor) & MIRO (Process Incoming Invoice) will cause this, among others
- Solution = Mitigate or reassign roles

Example – Small Agency

Luke Skywalker

Arts Commission

1	Risk ID	Description	Risk Level	Risk Type	Function ID	Business Process
2	T,	-	*		-	
62	F006	Pay a vendor invoice and hide it via asset depreciation	High	Segregation of Duties	AP02	Finance
63	F006	Pay a vendor invoice and hide it via asset depreciation	High	Segregation of Duties	FA01	Finance
74	F012	Maintain asset and capitalize or add costs to master record	Medium	Segregation of Duties	FA01	Finance
75	F012	Maintain asset and capitalize or add costs to master record	Medium	Segregation of Duties	FA02	Finance
106	F028	Adjust the subsidiary balance using the vendor invoice entry and then cover	Medium	Segregation of Duties	AP02	Finance
107	F028	Adjust the subsidiary balance using the vendor invoice entry and then cover	Medium	Segregation of Duties	GL01	Finance
108	F029	Adjust the AR subsidiary balance using AR payments and then conceal wit	Medium	Segregation of Duties	AR01	Finance
109	F029	Adjust the AR subsidiary balance using AR payments and then conceal wit	Medium	Segregation of Duties	GL01	Finance
133	H008	Changing payroll master data and modifying PD Structure	High	Segregation of Duties	HR03	HR and Payroll
134	H008	Changing payroll master data and modifying PD Structure	High	Segregation of Duties	HR05	HR and Payroll
203	P003	Create fictitious vendor invoice and initiate payment for it	High	Segregation of Duties	AP01	Procure to Pay
204	P003	Create fictitious vendor invoice and initiate payment for it	High	Segregation of Duties	AP02	Procure to Pay
367	S012	Initiate a payment by creating fictitious credit memos	High	Segregation of Duties	AR01	Order to Cash
368	S012	Initiate a payment by creating fictitious credit memos	High	Segregation of Duties	AR06	Order to Cash
395	S026	Maintain an invoice and enter or change payments against it	High	Segregation of Duties	AR02	Order to Cash
396	S026	Maintain an invoice and enter or change payments against it	High	Segregation of Duties	AR07	Order to Cash
401	5029	Create a credit memo then clear the customer to prompt a payment	High	Segregation of Duties	AR03	Order to Cash
402	S029	Create a credit memo then clear the customer to prompt a payment.	High	Segregation of Duties	AR06	Order to Cash



Finance Update



Governance, Risk and Compliance

- The current GRC effort focuses on the identification and mitigation of Segregation of Duties (SOD) conflicts.
- Mitigation can take several forms, examples are:
 - Close the conflict
 - Take away transaction creating conflict
 - Pull transaction from one role and create single role
 - Restructure roles to avoid conflicts

Governance, Risk and Compliance

Examples of Mitigations:

Close the conflict:

T Code FB02 (Change Document) creates many conflicts within the system because it impacts all FI areas, A/R, A/P, GL.

After review, it was determined that the risk in our system was very low or non-existent so it was closed.

Examples of Mitigations:

Take away transaction:

TCODE ME59N is a transaction that allows the creation of a Purchase Order.

In our system, all POs should be created via SRM, so this transaction is being removed from all roles.

Examples of Mitigations:

Pull transaction, create single role: FBRA creates conflicts in all FI areas, it allows agencies to perform tasks that should be performed at a central level only.

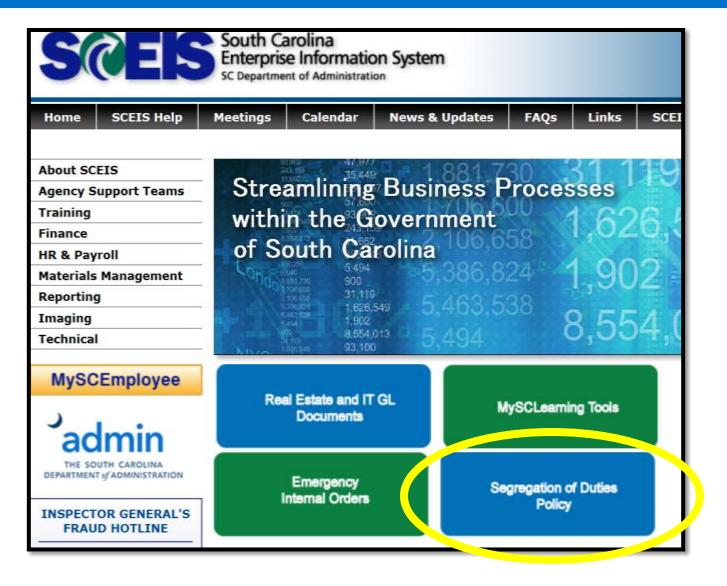
FBRA will be removed from all roles, a single role will be created and provided to CG, STO and agencies with special check write ability.

Examples of Mitigations:

Restructure roles:

The current 3 role structure of assets causes conflicts because they do not include a proper separation of duties between creation, update, disposal, and custody of assets.

A new 4 role structure will be created that will avoid the conflicts by separating the conflicting duties.





Responsibility:

- @ GRC will identify role conflicts of an employee.
- If an agency choses to provide conflicting roles to an employee, the risk associated with the assignment of that access must be accepted by the agency.

Responsibility:

- Acceptance of SOD risks by an agency places a need for those risks to be mitigated at the agency.
- Risk mitigation at the agency level requires "Active Oversight" of the risk. It can be in some form of pre-approval, reports, etc.

Responsibility:

Who is responsible for GRC compliance?

- You are!
- I am!
- We all are!



Materials Management Update



MM Updates

- Recent Changes
 - Web Site Document Postings Modification
 - Attachments
- Future Changes
 - Contract Management Hard Stop Messages
- @ Reminder
 - Contract Alert Notifications





- The Award Statement Document no longer posts next to the Contract Number
- Click on the Contract Number for the Award Statement Document to appear

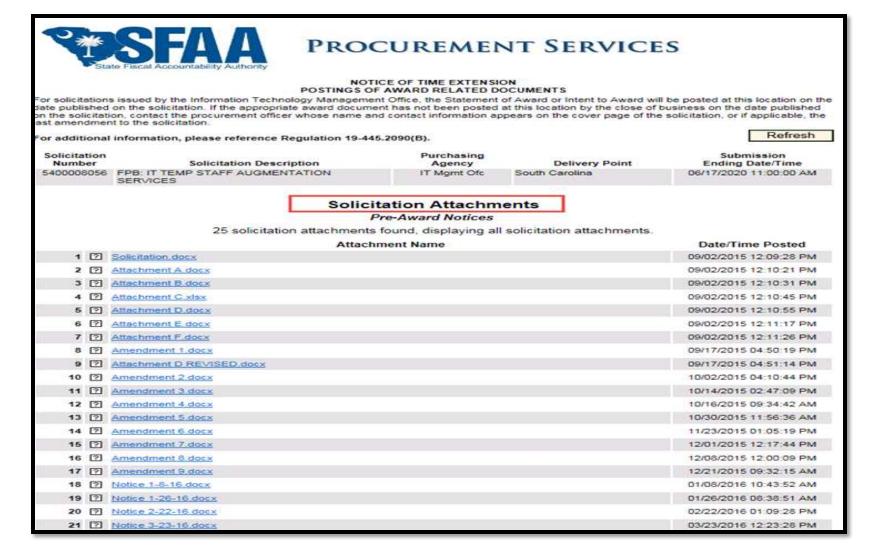
Note: This change was made to decrease the time it takes to load documents and avoid system time-out.

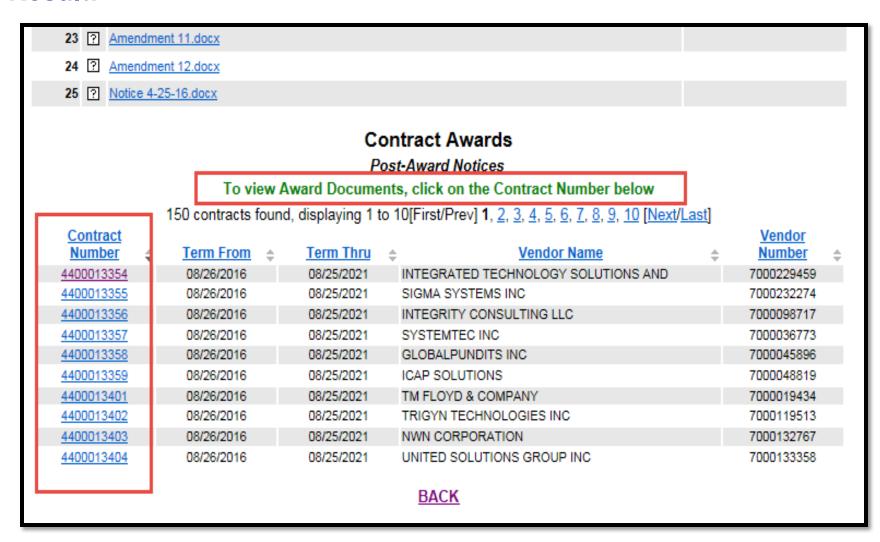
Step 1: Go to SFAA web site and enter a RFx number (or select from the list) and select search to see the list of attachments:



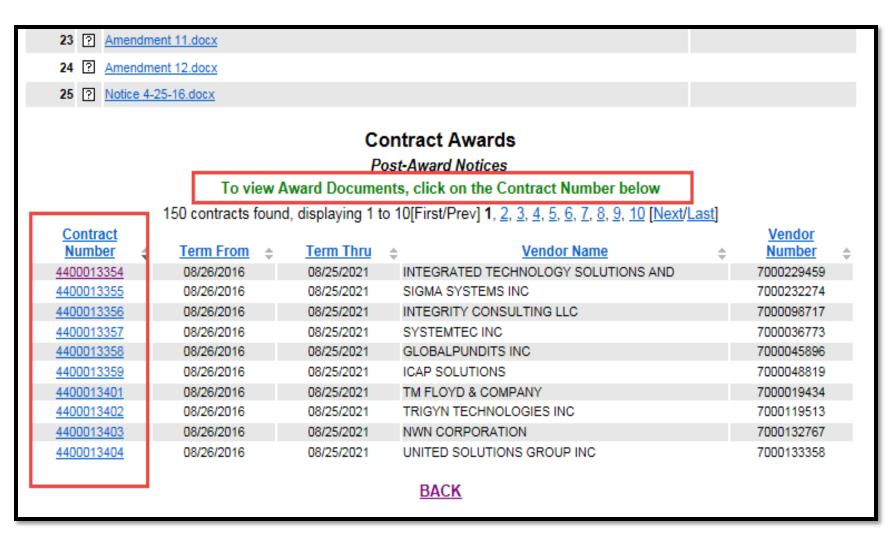


Step 2: Click on the RFx number above to open the attachments:











Step 4: Click on the Attachment "Intent to Award 1" to activate the Date/Time Posted section and then select cancel and refresh

Result: The Date and Time are now posted





Add Attachments

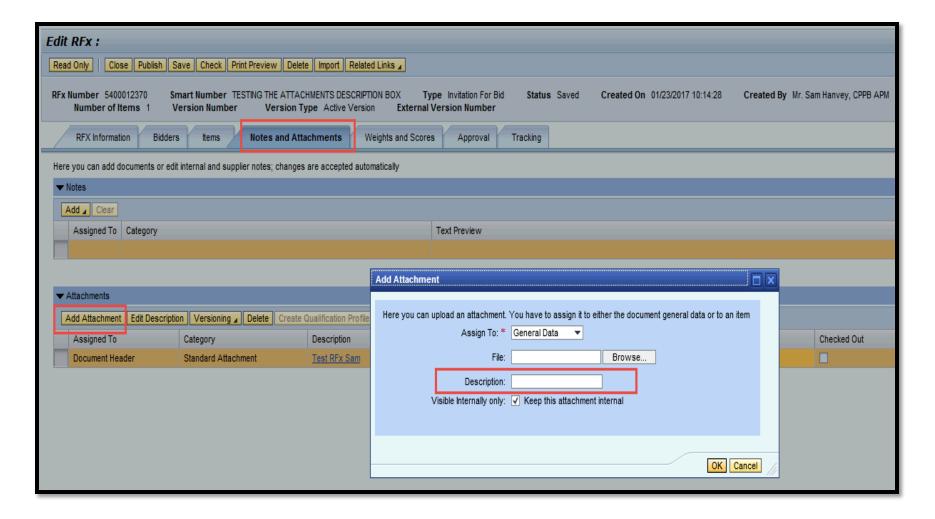


Adding Attachments

The "Description" field to name added attachments has been activated

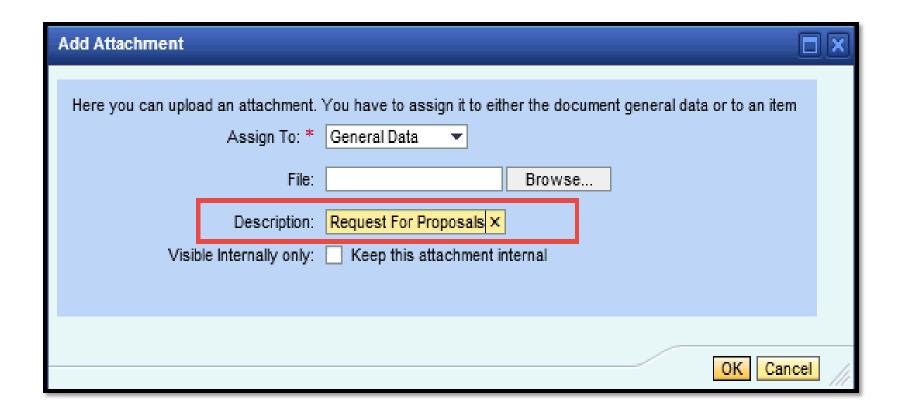
Add Attachments

Add Attachment "Description" Field



Add Attachments

Expanded View of "Description" Field







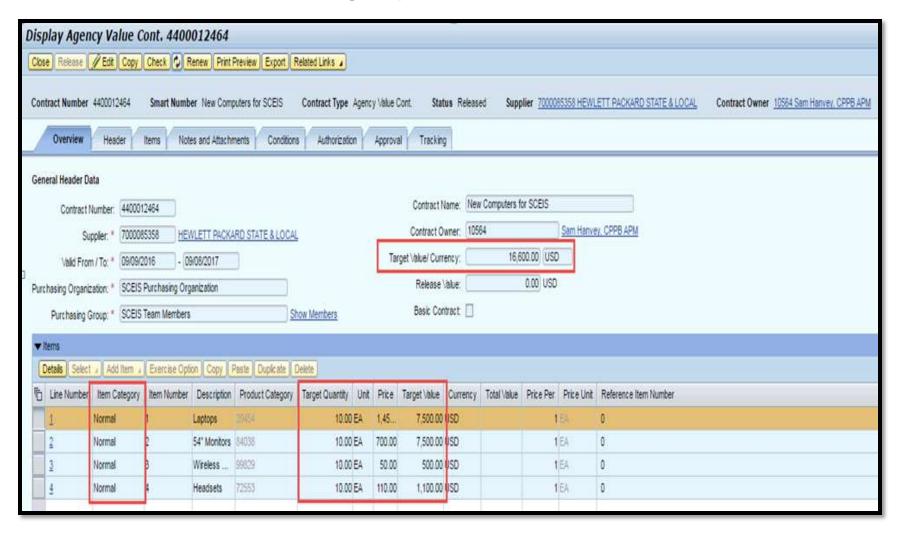
Coming soon...

- Where the Message on shopping cart when the Quantity or Target Value of a Contract line item is exceeded (Note that a Hard Stop exists already at the Header level.)
- @ Hard Stop Messages are Standard SAP functionality and replace the current Warning Message.

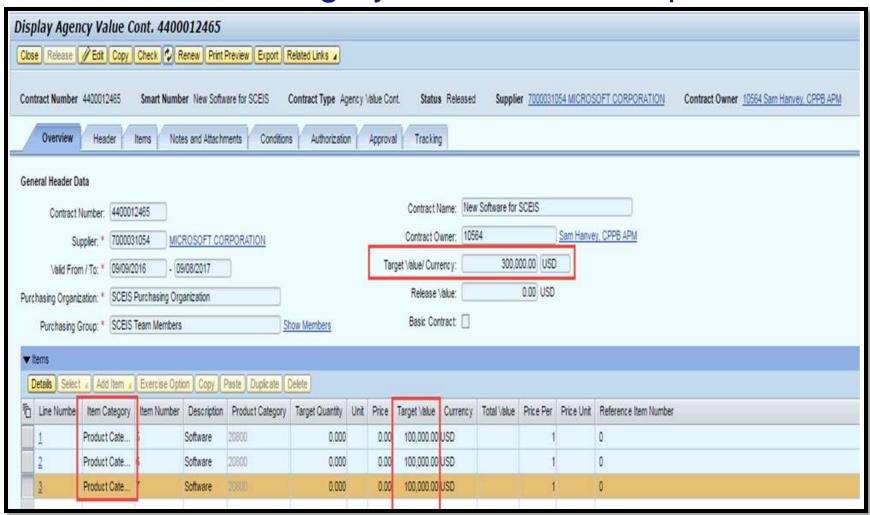
- Messages?
 - Review and correct all active contracts
 - Quantity and Target Value on each line item should support the contract item for the term of the contract whether the item category is set to Normal or Product Category.

- Normal Item Category contracts must have:
 - A Specific Quantity, Price and Target Value for each line item to support the term of the contract. If the line item Quantity or Target Value is exceeded, the Shopping Cart Creator will get a Hard Stop when selecting the contract.
- Product Category contracts must have:
 - A Specific Target Value for each line item to support the term of the contract. If the line item Target Value is exceeded, the Shopping Cart Creator will get a Hard Stop when selecting the contract.

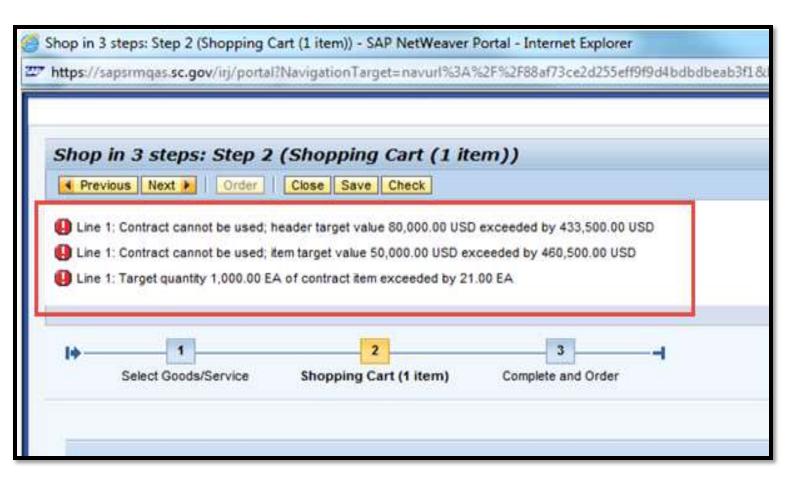
Normal Item Category Contracts Example



Product Item Category Contracts Example



Shopping Cart - Hard Stops Example







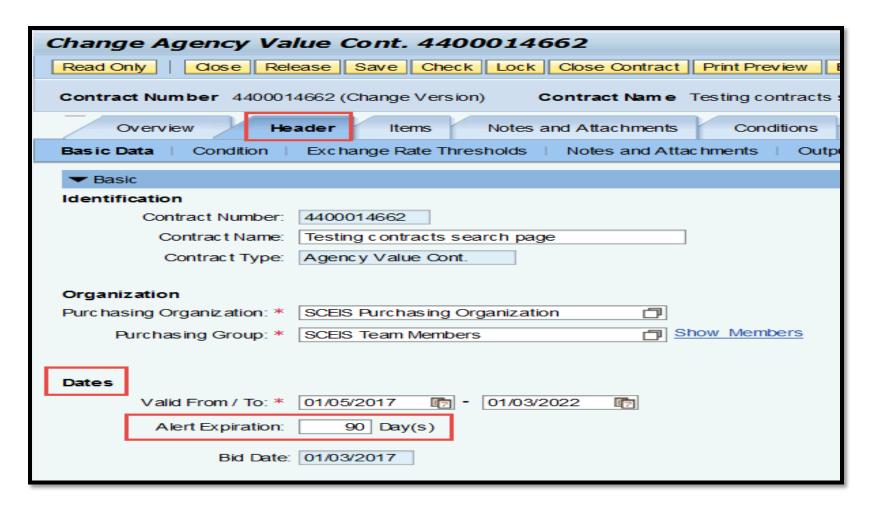
Reminder

All SCEIS Contracts have the ability to send an email alert notification to the Purchasing Group indicated on the contract at Line Item and Header levels.

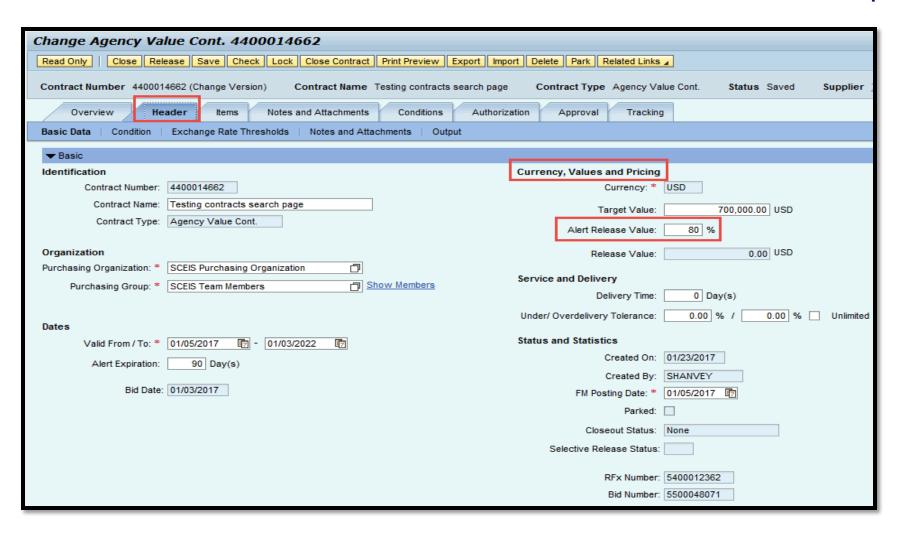


- @ Alert Notifications can be set based on:
 - Validity Dates (Expiration Date)
 - Header Release Value (Money Left on Contract)
 - Line item Release Quantity
 - Line item Target Value
- The email alert notification can help the agency perform Contract Management by providing notice that the contract is due to expire, time for a re-bid or a Change Order, if applicable.

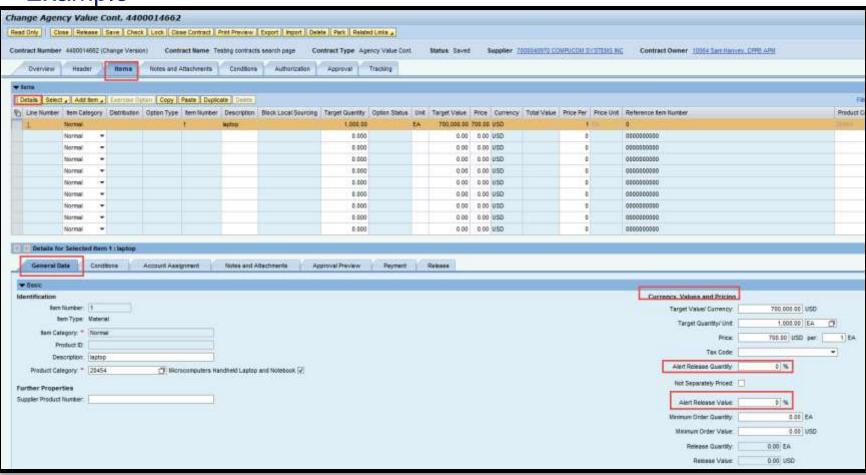
@ Header Alert Notifications based on Dates Example



@ Header Alert Notifications based on Release Value Example



Control Line Item Alert Notifications based on Release Quantity and/or Value Example



Contract Alert Notifications

Release Quantity and Value Example - Expanded view

Currency, Values and Pricing		
Target Value/ Currency:		700,000.00 USD
Target Quantity/ Unit:		1,000.00 EA 🗇
Price:		700.00 USD per: 1 EA
	Tax Code:	
	Alert Release Quantity:	0 %
	Not Separately Priced:	
	Alert Release Value:	0 %
	Minimum Order Quantity:	0.00 EA
	Minimum Order Value:	0.00 USD
	Release Quantity:	0.00 EA
	Release Value:	0.00 USD





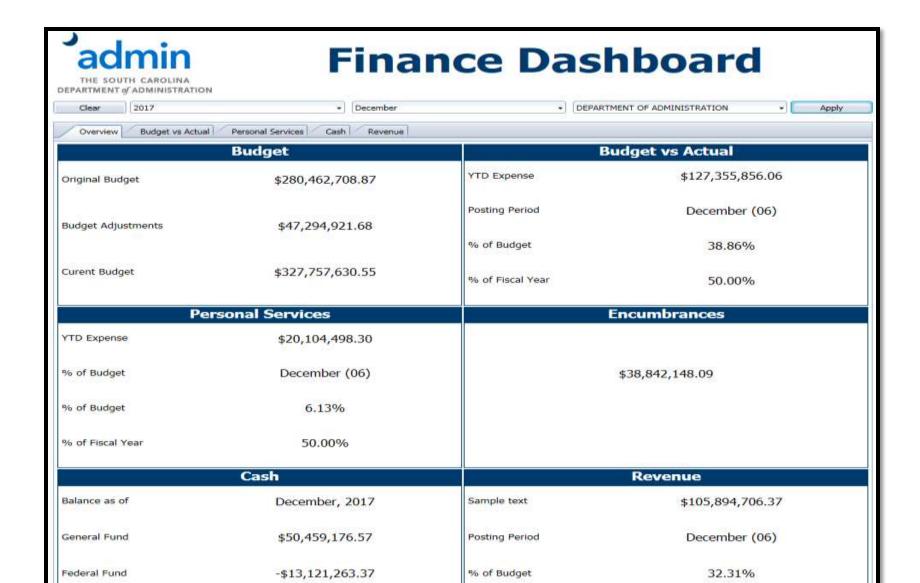
Reporting Update - EIM



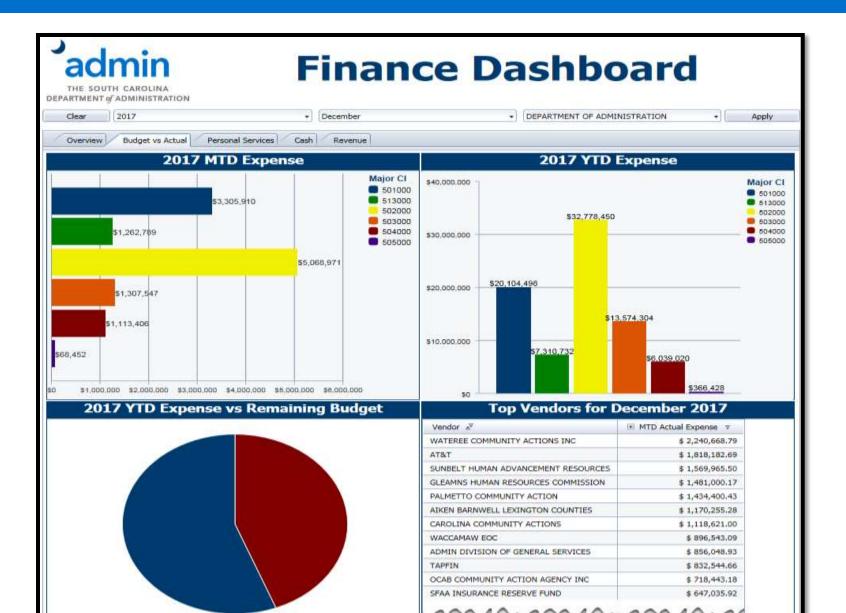
Enterprise Information Management

- FI Dashboards moving closer
- ® BOBJ Upgrade going Live: New Features available
- Cumira going Live
- Control Live Office available
- All BEX Queries are in BOBJ
- Clinks Dashboard on Website
- Output
 <p

Finance Dashboard



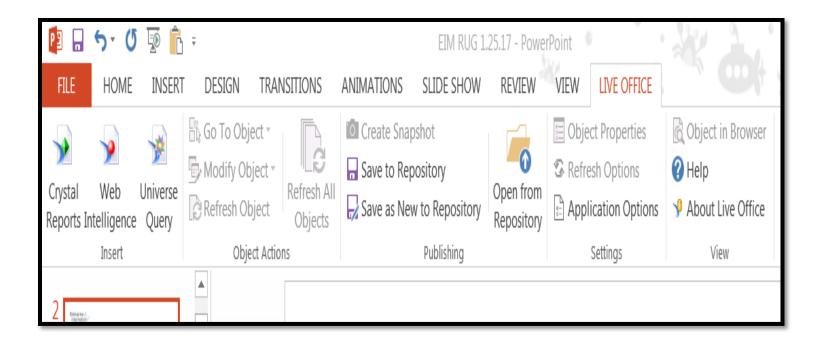
Finance Dashboard



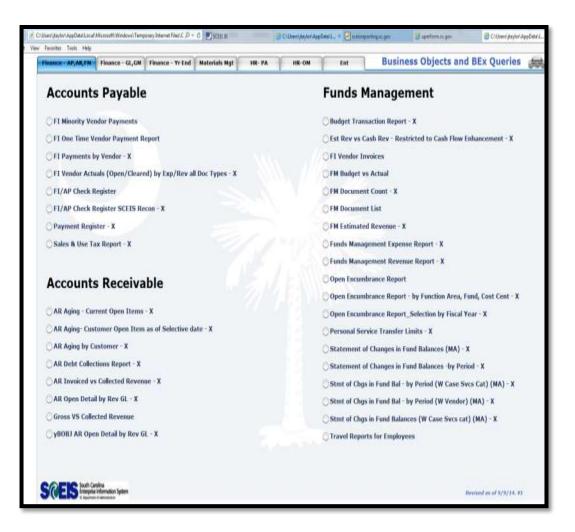
Business Objects 4.2 SP3 Upgrade

- @ Go Live next weekend
- New Features:
- @ Alerts
- Cascading Input Controls
- Comments within reports
- Merge Variables
- Export Data not just reports
- © Cell Reference
- Shared Elements
- Publications: No Data-No Delivery
- Parallel BEX Queries refresh
- © Edit BEX Query data source in Design mode (moving away from Java)

BOBJ Live Office



New Links Page

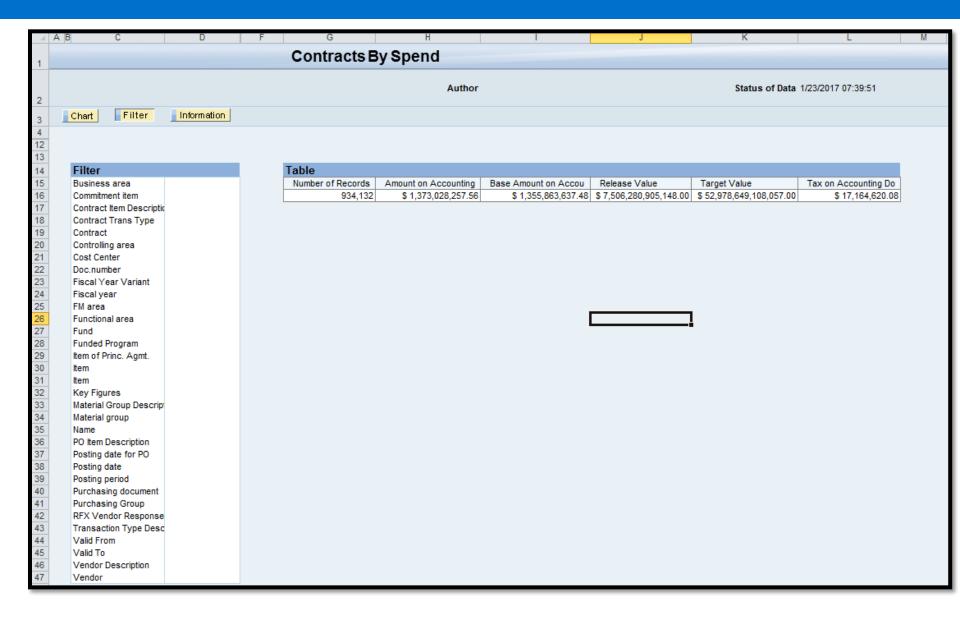




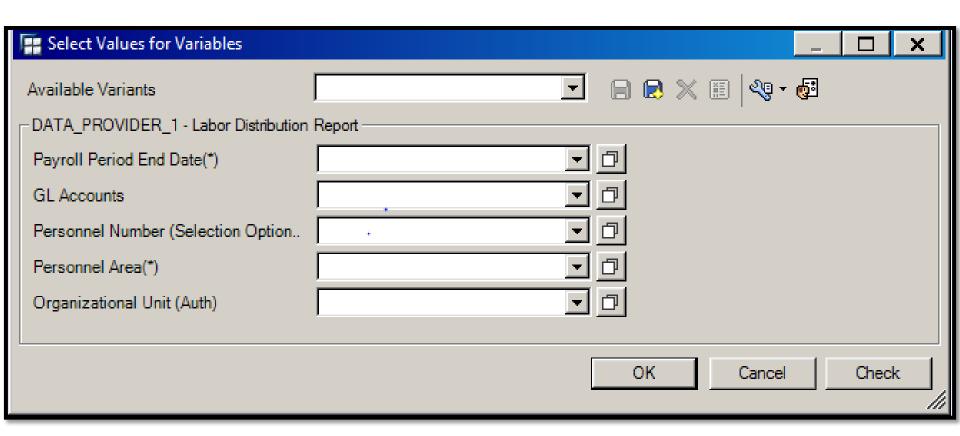
Reporting Update - BW



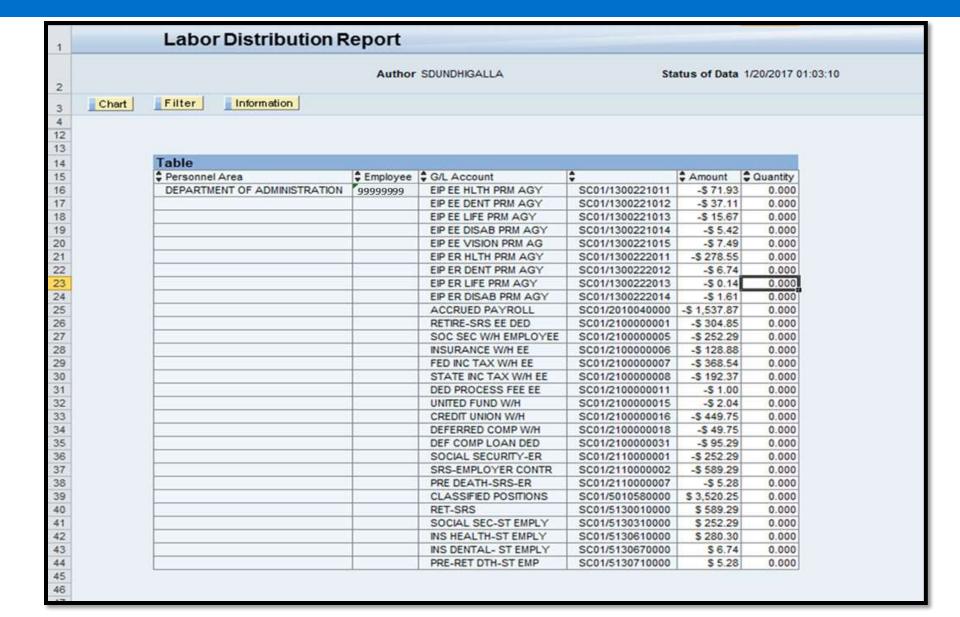
Contracts by Spend



Labor Distribution Report



Labor Distribution Report



Query Location & Request Form

- http://sceis.sc.gov
- Output
 Under Reporting
- Link for list of BW reports and detailed descriptions
- © Enhancement requests located under SCEIS HELP
- http://sceis.sc.gov/changerequests/Default.aspx

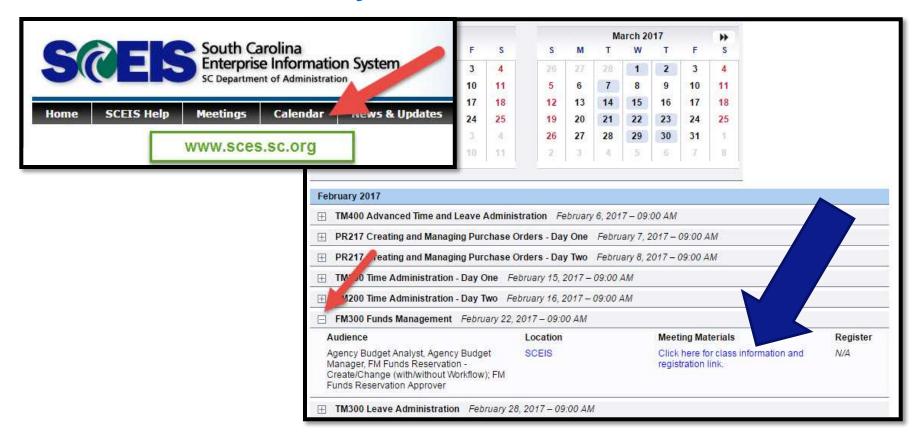


Training Update

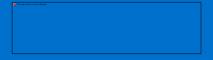


Spring 2017 Training Schedule

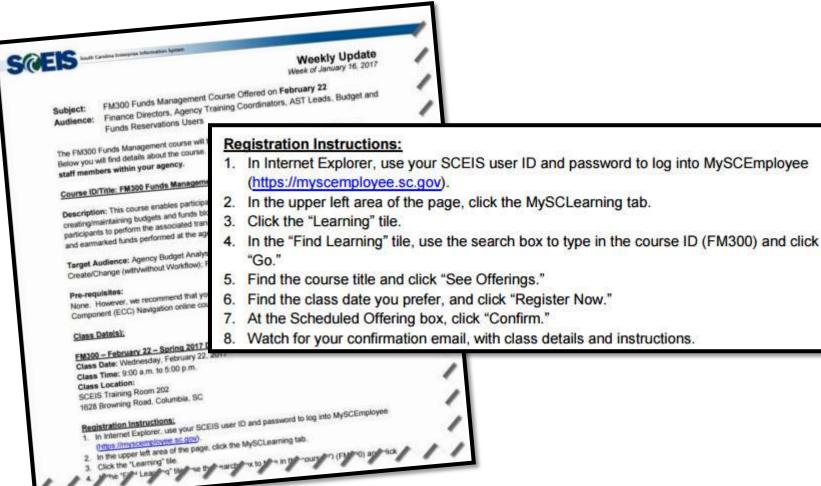
- Where to locate it
 - SCEIS website (www.sceis.sc.gov) Calendar
 - Functional area flyers



Spring 2017 Training Schedule



Register via MySCLearning



New Courses



HR/Payroll Instructor-led courses

- PY200 : Payroll Administration
- TM400: Advanced Time & Leave Administration



HR/Payroll Online-prerequisite courses

- HR100V: Intro to HR and Payroll
- TM101V: Fundamentals of Time Administration



Materials Management Online Course !COMING SOON!

 MML100V: Processes for Agency Material |Master Liaisons

Pre-requisite Courses

Pre-requisites

HR/Payroll

<u>HR100V</u>

ACP100

OM200

PA250

PY200

Reporting

REP200U

REP200 HR REP200 FI/MM MM

PR101V

PR217 PR260

Time & Leave Administration

TM400

Advanced Time & Leave Administration

TM300 Leave Administration

TM200 Time Administration

TM101V Fundamentals of Time Administration



Wrap-up





Meeting Adjourned

