

BFSv9 Internal Controls Guidance

presented by:

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Office of the Controller

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Office of Ethics, Compliance, and Risk Management

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Today's Topics

- 1. Overview of procurement roles
- 2. Separation of duties in the procurement process
- 3. Procurement responsibilities by role
- 4. Delegating authority
- 5. Fraud awareness
- 6. Key controls refresher (SAS-115)
- 7. Other information resources

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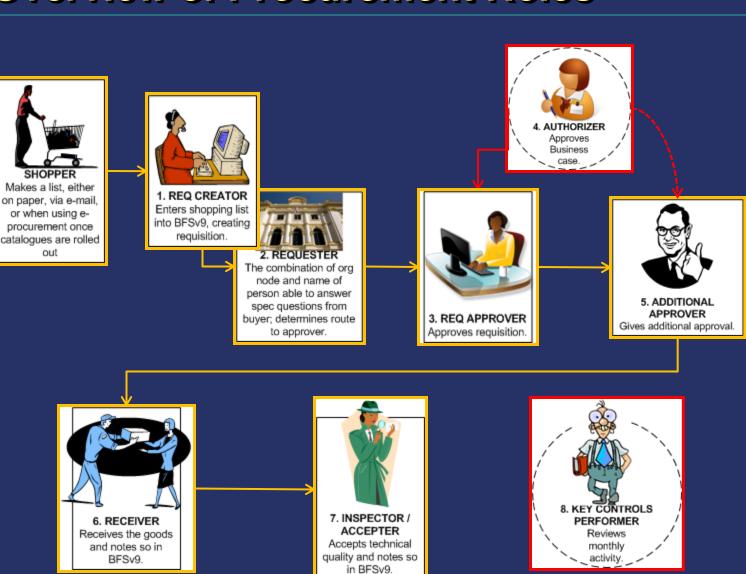
Portrait of a UC Berkeley MSO



1. Overview of Procurement Roles

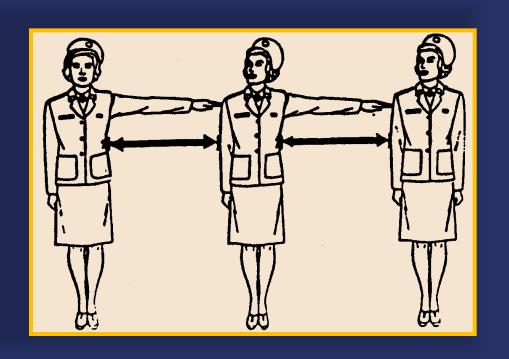


Overview of Procurement Roles



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2. Separation of Duties in the Procurement Process





Overview of Separation of Duties

Primary objective of preventing fraud and errors by separating the:

Recording of transactions.



Authorizing of transactions.

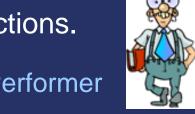


Requisition Approver





Monitoring or reviewing of the transactions.



Key Controls Performer



Separation of Duties Matrix

	Req.		Req.		Additional			Key Controls
Role	Creator	Requester	Approver	Authorizer	Approver	Receiver	Inspector	Performer
Requisition Creator		Υ	N	Υ	N	N	Υ	N
Requestor	Υ		N	Y	Υ	Υ	Υ	Υ
Requisition Approver	N	N		N	**	Y	Υ	N
Authorizer	Υ	Υ	Ν		Υ	Υ	Υ	Υ
Additional Approver	N	Υ	**	Y		Y	Υ	Y
Receiver	N	Υ	Υ	Υ	Υ		Υ	Υ
Inspector	Υ	Υ	Υ	Υ	Υ	Υ		Y
Key Controls Performer	N	Y	N	Υ	Υ	Υ	Y	

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Small Departments

- Adequately separating duties is challenging.
- Separate the creator role by placing it in another department, or possibly the dean's office.
- Can achieve separation with three people.
- If cannot separate creator and receiver for a purchase transaction, run monthly report and review for appropriateness (someone other than creator-receiver).



A Tool for Small Departments

Tool for Assigning BFSv9 Procurement Roles in Smaller Departments While Avoiding Separation-of-Duties Conflicts

How to use this tool:

Enter names in the light-blue cells. For each name entered, a green-colored cell in that row identifies the additional role(s) he/she may perform, and a red-colored cell indicates those he/she may not. Continue entering names for each role.

If you enter a name that conflicts with another role already identified for that person, **CONFLICT!** will appear in the red cells where the conflict occurs.

If you enter the same name for the approver and additional approver, <u>WEAK!</u> will appear, because you have not enhanced separation of duties by naming the same person to perform these two roles.

To add additional roles after completing the table, print the page for reference, then delete all names and begin again.

Tips for using the tool:

If you enter one person for multiple roles, be sure to spell the name exactly the same, or the tool will not recognize a conflict (including spaces).

Role	Enter Name of Role Performer
Requisition Creator:	
Requisition Approver:	
Authorizer:	
Additional Approver:	
Receiver:	
Key Controls (SAS-115) Performer:	

Requisition Creator	Requisition Approver	Authorizer	Additional Approver	Receiver	Key Controls (SAS-115) Performer

Comments about the requester and inspector roles:

The requester role is not included in the above matrix because it will typically be the same person as the requisition creator, or else be someone who does not necessarily have access to BFSv9. If it is the same person as the creator, then all the creator conflicts apply. The inspector is not included because that role is not in conflict with any other.

Click here for additional information about recommended separation-of-duties controls for the BFSv9 procurement

Web page location: Controller's Office / Controls & Accountability / Separation of Duties

URL: http://controller.berkeley.edu/CARMO/controls/AvoidSODConflictsTool.xls

3. Procurement Responsibilities by Role



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BFSv9.

Procurement Responsibilities by Role



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monthly



Responsibilities: Requisition Creator

The requisition creator will:

- Indicate how the requisition will be routed for approval.
- Indicate if an additional approver and or inspector is required for the transaction.



Future: Requisition Creator

The requisition creator should:

- Note any unusual activity on the part of the shopper.
- Note and question any unusual item(s) in the shopping cart.
- Know campus procurement policy.
- Know campus- or system- approved vendors and attendant approval requirements.
- Know relevant laws and regulations.



Responsibilities: Approver

Review and approve for:

- Appropriateness
- Reasonableness
- Adequate funding
- Allowability under the funding source
- Accurate account coding
- Compliance with laws, regulations, and policies
- Appropriate supporting documentation
- Properly authorized



Authorization

- Departments can use the "additional approver" role as a way of documenting the authorization.
- ♦ The authorizer can delegate authority to the approver to authorize on his or her behalf.



4. Delegating Authority





Definitions

- Authority: The right to control, to make decisions.
- Administrative official: Any UC Berkeley employee to whom financial, administrative, or management responsibilities and decision-making authority has been delegated.

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Principles for the Delegation of Authority

- Administrative officials cannot delegate greater decision-making authority than they have been delegated.
- Administrative officials who delegate decisionmaking authority must do so in writing.
- Administrative officials must ensure that the employees to whom they delegate are qualified.



Principles for the Delegation of Authority

Accountability: The requirement for giving a satisfactory explanation of what has happened and the reason for doing, or not doing, something.

Although administrative officials may delegate many responsibilities, they cannot delegate accountability!

Administrative officials must monitor to ensure that the employees to whom they delegate are properly fulfilling their responsibilities.

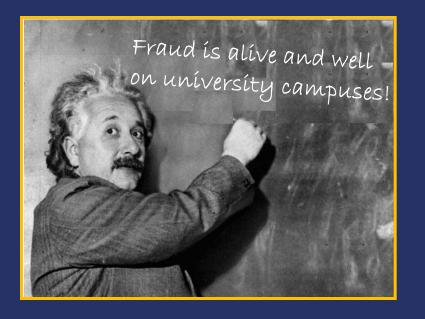
5. Fraud Awareness





Occupational Fraud

"The use of one's occupation for personal enrichment through the deliberate misuse or misapplication of the employing organization's resources or assets."



*Source: Occupational Fraud: A Study of the Impact of an Economic Recession, Association of Certified Fraud Examiners, 2009



Three Common Fraud Characteristics

- ♦ Pressure or incentive: The need a person tries to satisfy by committing fraud.
- Opportunity: The ability to commit fraud without detection.
- ♦ Rationalization: The ability for a person to justify fraud. A crucial component in most frauds.

Layoffs are affecting organizations' internal control systems.



Types of Fraud on the Rise Since 2008

- Theft of company property and resources
- Embezzlement
- Expense account fraud
- Third-party and vendor fraud
- Theft of company information and data
- Financial statement & accounting irregularities



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Sample Fraud Schemes

Procurement

- Shell company
- Non-accomplice vendor
- Personal purchases

Payroll

- Ghost employees
- Workers comp
- Falsified rates or hours



Expense reimbursement

- Mischaracterized expenses
- Overstated expenses
- Fictitious Expenses
- Multiple reimbursements



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Typical Fraud Perpetrator

- Employed by the organization a number of years
- Works in a finance function
- Is a member of management
- In a position of trust
- Educated, head of household, member of community organizations
- Motivated by a personal need





Important Anti-Fraud Controls

♦ Control Environment:

- Tone at the top
- Code of ethics
- Policies
- Training

♦ Control Activities:

- Management authorization
- Separation of duties
- System access controls

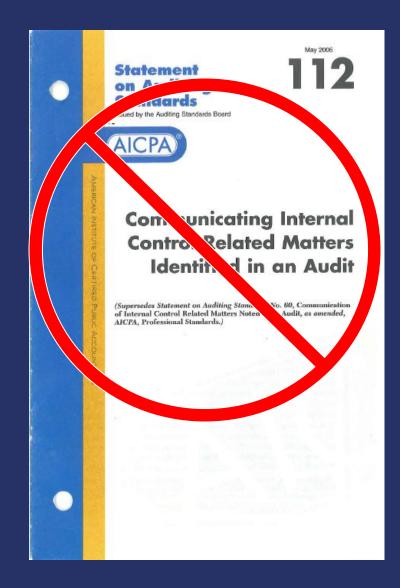
Monitoring:

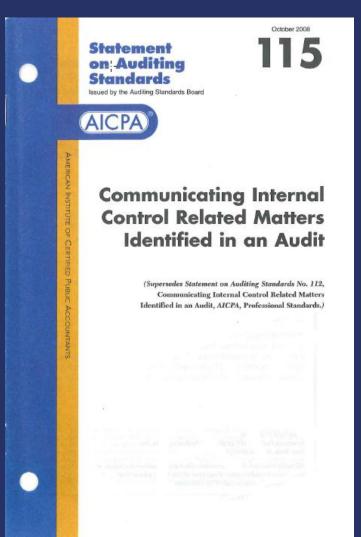
- Reviews by Controls, Accountability, and Risk Management, Office of the Controller
- Internal audit

6. Key Controls Refresher (SAS-115)



Campus Financial Key Controls







Control Categories

Authorization	Approval of transactions executed in accordance with management's general or specific policies and procedures Access to assets and records in accordance with management's general or specific policies and procedures
Management Review	A review conducted by someone other than the preparer who analyses and oversees activities performed. In many instances, it will be a manager reviewing the work of a subordinate. However, it may include co-workers reviewing each other's work.
Reconciliation	A reconciliation is a control designed to check whether two items are consistent.
Separation of Duties	The separation of duties and responsibilities of a business processes to prevent individuals from being in a position to both perpetrate and conceal an error or irregularity.
System Access	The ability that an individual or group has within a computer information system, as defined by access rights configured in the system.
Exception/Edit Report	Exception – a violation of a set standard (e.g., customer sales exceed credit limit, three-way match does not reconcile). Edit – a change to a master file (e.g., addition of a new employee; changes in wage rates)
Interface/ Conversion Controls	Data management (date/time stamps, file names); Processing (no missing, duplicate, or redundant data and to ensure completeness and accuracy); Validation / reconciliation (on-line edits, batch totals); Over the detection and correction of excepti.ons and errors

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Types of Controls

Preventive—Controls that can stop or *prevent* a potential problem or loss from occurring. Include:



- Access controls
- Separation of duties
- Management approvals.

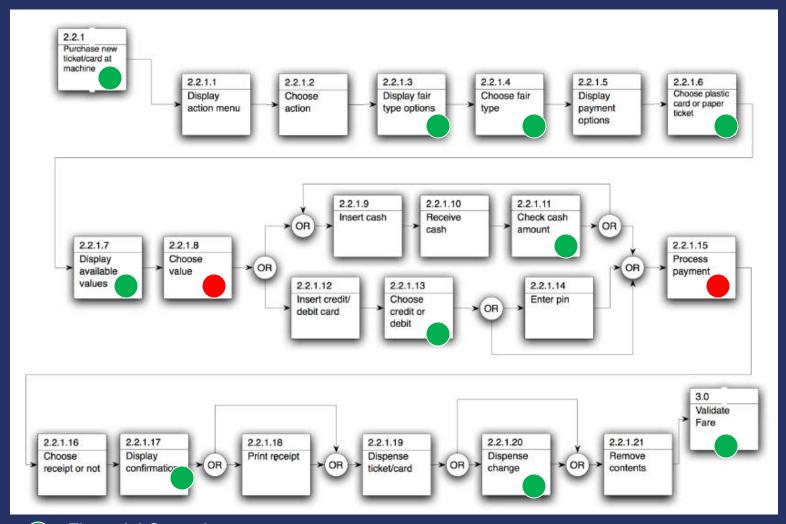
Management Override can Circumvent Preventive Controls

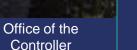


Detective—Controls that detect a potential problem or loss that has already occurred.

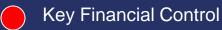
- Reconciliations
- Management reviews

Key Controls Illustration





Financial Control





What is a Key Control?

- "A key control is a control that, if it fails, means there is at least a reasonable likelihood that a material error in the financial statements would not be prevented or detected on a timely basis." (Institute of Internal Auditors)
- A "key" financial control is a control that, if other controls fail, can be relied upon to detect or prevent a material misstatement of the financial statements.
- * "A key control is a control that provides reasonable assurance that material errors will be prevented or detected in a timely manner."

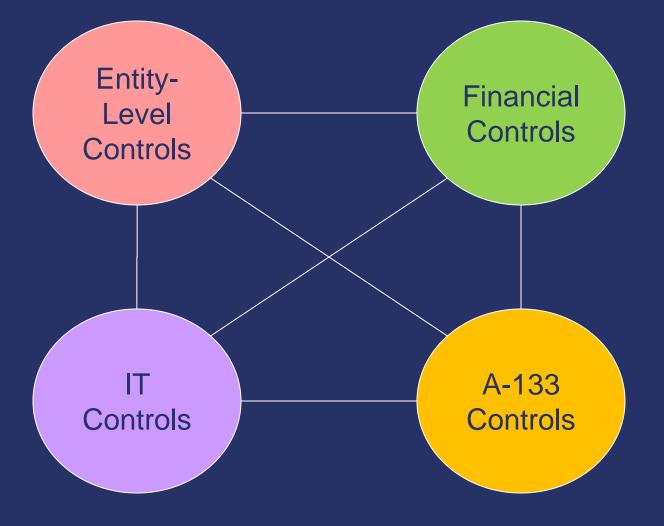


What is a Key Control?

- Because of their importance for accurate financial reporting, key controls are monitored during the year to ensure they are still working.
- To be working, controls must be designed properly and operated correctly.



UC Berkeley's Control Framework



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Campus Financial Controls

Financial Controls

Controller's Office

Student Financial Aid

Departments

Billing & Payment Services

- · Controls, Accountability, and Risk Mgmt
- · Extramural Funds Accounting
- General Accounting
- Payroll

290 L4's



Department Key Controls

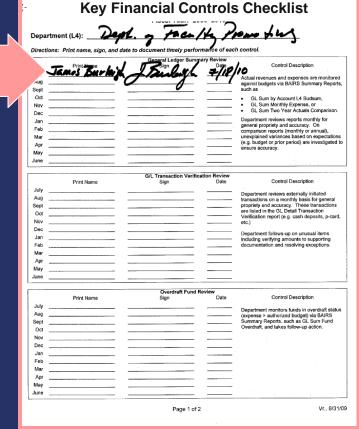


- General Ledger Summary Review
- General Ledger Transaction Verification Review
- Overdraft Fund Review
- Payroll Expense Review
- Identity Management (User System Access)
 Review

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Financial Key Control Performance







Results of Random-Sample Monitoring

- ♦ 10% of 290 L4's = 29 departments sampled
- Three types of exceptions were tested:
 - Existence: The L4 sampled was not able to produce a checklist.
 - Completeness: One or more of the controls was not completed, judging by a blank line on the checklist.
 - Timeliness: The control was performed more than 30 days after the close of the fiscal month.



Results of Monitoring

- Of 29 requested, we received 25 (4 departments could not produce a checklist).
- Of the 25 checklists received:
 - One was incomplete (a control had not been performed).
 - Eleven had controls that were not performed timely.
- ♦ Total Errors:
 - 4 missing
 - 1 incomplete
 - 11 untimely
 - 16 Errors
- \bullet Error rate: 16 / 29 = 55%

Key Controls Checklist

	Key Financial Controls Fiscal Year: 2009–				Key Financial Contr Fiscal Year: 200		klist
Department (L4):			Depa	rtment (L4):			
Directions: Print name, sign	n, and date to document timely performan	nce of each control.	+		Payroll Expense	Pavian	
	General Ledger Summary F	Review		Print Name	Sign	Date	Control Description
Print Name	Sign	Date Control Description	July			†	Department reviews the detailed payroll
Sept Oct Nov Dec Jan Feb Mar		such as GL Sum by Account L4 Budsum.	Aug Sept Oct Nov Dec Jan Feb Mar				expenses each month for general propriety and to validate the accuracy of the charges via the: PPP5302 in PageQenter. BAIRS GL Customer Report account codes 50000-51999 or BIS PPS Expense Detail Qurg. For example, departments review the accuracy of employee names and pay rates, and
Apr		ensure accuracy.	Apr		- 	<u> </u>	errors.
May		and a state of the	May				
June			June		.]		
July Aug Sept Oct Nov Dec Jian Feb Mar Ar May June	GL Transaction Verification Sign	Neview Date Department reviews externally initiated transactions on a monthly basis for general propriety and accuracy. These transactions are listed in the Cu-bell 17 ansaction. Verification report (e.g. cash deposits, p-card, etc.). Department follows-up on unusual items including verifying amounts to supporting documentation and resolving exceptions.		Print Name		Date	Department reviews identity management (user system access) reports periodically. Department determines if an employee's access and roles are appropriate for his/her current job responsibilities and provides for the proper segregation of duties within the unit. Department follows-up on deletions or other updates as needed via the Systems Access Request Application (SARA).
	Overdraft Fund Review	w.	Docum	nent disposal date: July 1,	2013		•
Aug Sept Oct Nov Dec Jan Feb Mar	Overdraft Fund Review Sign	Date Control Description Department monitors funds in overdraft status (expense > authorized budget) via BAIRS			Page 2 of 2		火 ∴ 8/31/0
	Page 1 of 2	Vr. 8/31/09					***

Vr.. 8/31/09



Excel-Based "Electronic" Checklist

111												
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1		QUARTER ONE	_		QUARTER TWO		·	QUARTER THREE			QUARTER FOUR	
2 Activity Inventory Statur	July	August	Saptambar	October	Havember	December	Jensery	Fabruary	Herck	April	Hay	June
3 CONTROLLER'S IMMEDIATE OFFICE												
4 General Ledger Summary Review	08/28/09	10/09/09	10/09/09	11/25/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started	Not Started
5 G/L Transaction Verification Review	08/28/09	10/09/09	10/09/09	11/25/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started	Not Started
6 Overdraft Fund Review	08/28/09	10/09/09	10/09/09	11/25/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started	Not Started
7 Payroll Expense Review	08/28/09	10/09/09	10/09/09	11/25/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started	Not Started
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9 FSBUS												
10 General Ledger Summary Review	11/30/09	11/30/09	11/30/09	11/30/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started	Not Started
11 G/L Transaction Verification Review	11/30/09	11/30/09	11/30/09	11/30/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started	Not Started
12 Overdraft Fund Review	11/30/09	11/30/09	11/30/09	11/30/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started	Not Started
13 Payroll Expense Review	11/30/09	11/30/09	11/30/09	11/30/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started	Not Started
14 Identity Mgmt. (User System Access) Review		11/30/09			12/01/09			04/15/10			Not Started	
15 GENERAL ACCOUNTING												
16 General Ledger Summary Review	09/18/09	09/18/09	01/17/10	01/17/10	01/17/10	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started
17 G/L Transaction Verification Review	09/18/09	09/18/09	01/17/10	01/17/10	01/17/10	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started
18 Overdraft Fund Review	09/18/09	09/18/09	01/17/10	01/17/10	01/17/10	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started
19 Payroll Expense Review	09/18/09	09/18/09	01/17/10	01/17/10	01/17/10	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started
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23 G/L Transaction Verification Review	08/28/09	09/21/09	11/04/09	12/11/09	12/14/09	02/02/10	02/24/10	Not Started	Not Started	Not Started	Not Started	Not Started
24 Overdraft Fund Review	08/28/09	09/21/09	11/04/09	12/11/09	12/14/09	02/02/10	02/24/10	Not Started	Not Started	Not Started	Not Started	Not Started
25 Payroll Expense Review	08/28/09	09/21/09	11/04/09	12/11/09	12/14/09	02/02/10	02/24/10	Not Started	Not Started	Not Started	Not Started	Not Started
26 Identity Mgmt. (User System Access) Review		09/21/09			12/16/09			Not Started			Not Started	
27 BILLING AND PAYMENT SERVICES												
28 General Ledger Summary Review	09/04/09	10/15/09	10/15/09	11/18/09	01/11/10	02/01/10	02/23/10	03/19/10	05/03/10	Not Started	Not Started	Not Started
29 G/L Transaction Verification Review	09/04/09	10/15/09	10/15/09	11/18/09	01/11/10	02/01/10	02/23/10	03/19/10	05/03/10	Not Started	Not Started	Not Started
30 Overdraft Fund Review	09704709	10/15/09	10/15/09	11/18/09	01/11/10	02/01/10	02/23/10	03/19/10	05/03/10	Not Started	Not Started	Not Started
31 Payroll Expense Review	09704709	10/15/09	10/15/09	11/18/09	01/11/10	02/01/10	02/23/10	03/19/10	05/03/10	Not Started	Not Started	Not Started
32 Identity Mgmt. (User System Access) Review		09/08/09			12/01/09			03/01/10			Not Started	
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34 General Ledger Summary Review	12714709	12714709	12/14/09	12/14/09	01/17/10	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started
35 G/L Transaction Verification Review	12714709	12714709	12714709	12/14/09	01/17/10	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started
36 Overdraft Fund Review	12714709	12714709	12/14/09	12/14/09	01/17/10	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started
37 Payroll Expense Review	12714709	12714709	12/14/09	12/14/09	01/17/10	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started	Not Started
38 Identity Mgmt. (User System Access) Review		01/17/10			01/17/10			Not Started			Not Started	
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40 General Ledger Summary Review	08/17/09	09/14/09	10/19/09	11/15/09	12/11/09	01/21/10	02/15/10	03/15/10	04/12/10	Not Started	Not Started	Not Started
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43 Payroll Expense Review	08/17/09	09/14/09	10/19/09	11/15/09	12/11/09	01/21/10	02/15/10	03/15/10	04/12/10	Not Started	Not Started	Not Started
44 Identity Mgmt. (User System Access) Review		08/24/25			12/01/09			03/01/10			Not Started	
EXTRAMURAL FUNDS ACCOUNTING												
46 General Ledger Summary Review	08/17/09	09/16/09	10/12/09	11/28/09	12/22/09	01/19/10	03/05/10	04/23/10	04/23/10	Not Started	Not Started	Not Started
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52 General Leager Summary Neview 53 G/L Transaction Verification Review	08/28/09	10/09/09	10/09/09	11/25/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Mat Started Nat Started	Not Started Not Started	Not Started Not Started
53 Overdraft Fund Review	08/28/09	10/09/09	10/09/09	11/25/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started Not Started	Not Started
55 Payroll Expense Review	08/28/09	10/09/09	10/09/09	11/25/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started	Not Started
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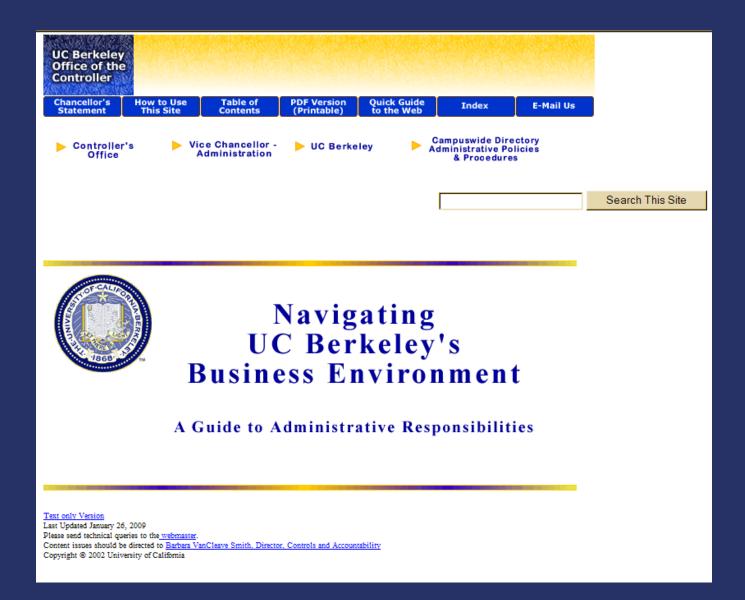
Excel-Based "Electronic" Checklist

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	SAS-115 Status Entry Sheet:													
1													_	
2				Control			QUARTER TWO			QUARTER THREE			QUARTER FOL	IR
3	Activity	Unit	Control Owner	Control Frequency	September	October	November	December	January	February	March	April	May	June
4	Each n	onth, enter na	me of persor	n signed by:										
5	General Ledger Summary Review	FSBUS	John Ellis	Monthly	11/30/09	11/30/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started	Not Started
6	G/L Transaction Verification Review	FSBUS	John Ellis	Monthly	11/30/09	11/30/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started	Not Started
7	Overdraft Fund Review	FSBUS	John Ellis	Monthly	11/30/09	11/30/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started	Not Started
8	Payroll Expense Review	FSBUS	John Ellis	Monthly	11/30/09	11/30/09	02/03/10	02/03/10	04/29/10	04/29/10	04/29/10	Not Started	Not Started	Not Started
9	Identify Management Review	FSBUS	John Ellis	Quarterly			12/01/09			04/15/10			Not Started	
10										nd Certification the best of my		information ind	licated on this s	chedule is
11	Signature: Date:													
12									Name (Print):					
13														
14														
15 16														
17														
18														
19														
20														
14 4	DASHBOAF	RD Contro	llers Immediate 🛭	Office FSE	BUS Gen Accent	/ Payroll / B&F	'S 🔏 Disbursemen	ts / CARMO /	EFA Admin Ser	rvices		. 4	1	

7. Other Information Resources



On-Line Responsibilities Guide



Office of the Controller



CARMO Contacts

Contact in the Controller's Office:

Hans Gude

Controller's Office (510) 643-3812 hgude@berkeley.edu