Accounting 101: Accruals

May 6, 2014



Instructor Introductions

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- Office of University Controller

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- University of Colorado Boulder

Course Objectives

Today you will learn:

- What is an accrual?
- Why are accruals necessary?
- What is accrued?
- Why are accruals reversed?
- What are the consequences for not accruing?
- What resources are available?

Accrual Basis of Accounting

For financial statements prepared in accordance with generally accepted accounting principles (GAAP):

- Transactions are recorded when they occur, irrespective of when actual cash is received or paid
- Revenues are recorded when earned, or when the government has the right to receive the revenue
- Expenses are recorded when incurred
- Matching principle attempts to place earnings and expenses in the same period

Barber Shop Example

Cash basis

 \square Received 4 x \$10 = \$40

▶ DR Cash \$40

► CR Revenue \$40

Accrual basis

 \square Earned 5 x \$10 = \$50

DR Cash \$40

▶ DR Acct Receivable \$10

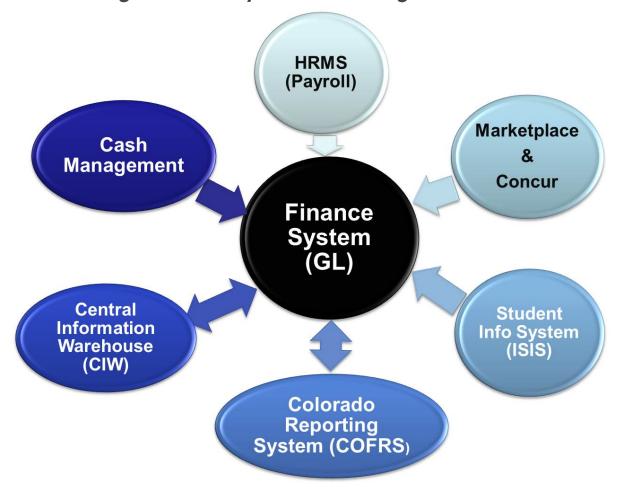
► CR Revenue \$50



What are accruals?

- Accruals are end-of-period adjustments
- Journal entries to record revenue or expense (and related receivable or payable) in the proper period

Finance System/Sub-System Interface



What types of expenses are accrued ... and how?

"Automated" Accruals

- Paper forms e.g., payment authorizations, study subject payments, non-employee reimbursements
- Marketplace e.g., purchase orders, payment vouchers
- Concur expenses e.g., travel, procurement card
- HRMS accruals e.g., pay date shift, biweekly payroll

Manual Accruals

- Subcontractor (sub-awards)
- OPEB (other postemployment benefits)
- Compensated absences
- SPO receipts not invoiced

Why are accruals reversed?

- Avoid double counting expenses
 - □ Journal entry was created to accrue an expense in previous fiscal year
 - When the normal transaction cycle completes, a system-generated entry will also record that expense in current fiscal year

What accruals are NOT!!!

- Accruals are not:
 - Encumbrances (commitments)
 - Used to budget/reconcile to budget



Example 1 – Supplies

John places an order for copy paper on June 24.

The order is delivered on June 28.

Fiscal year-end is June 30.

The invoice is received and entered on July 3.

Payment is made on July 5.

Example 1 – Supplies

John places an order for copy paper on June 24. The order is delivered on June 28. Fiscal year-end is June 30. The invoice is received and entered on July 3. Payment is made on July 5.

<u>June</u>		July	
June 30:Accrual of expenses		July 3: Record invoice received	
DR Supplies Expense 100		DR Supplies:ERpyable 100	
CR Accounts Payable	100	-CR Casbunts Payable	100
		July 5: Record payment	
		DR Accounts Payable 100	
		CR Cash	100
		July 1: Reverse YE accrual	
		DR Accounts Payable 100	
		CR Supplies Expense	100



Example 1 – Reviewing Your Reports

Initial Accrual:

In this example, the initial accrual was dated June 30, 2012, but was actually created and posted in July.

ACCT	JOURNAL IN DESC	ACTUAL	BAE CODE	SRCE CODE	LN #	JOURNAL ID	JOURNAL DATE	FY	PRD	OPER NAME	REF	PO	INVOICE ID	VNDR NAME
500800 COMPUTERS (BUNDLED< \$5000)														
500800	OPTIPLEX 990 MTE IS: OPTIPLEX 990 MT; OPTIPLEX 990 MINITOWER FOR UP TO 90 PERCENT EFFICIENT PSU	1,366.52	ACTUALS	AP	1,814	AP00879771	Jun 5, 2012	2012	12	SYSTEM	50133695	1000087645	XFT178738	DELL MARKETING LP
500800	API.* APPLE ONLINE STORE LAPTOP FOR UNIV. CONTROLLER'S COMPUTERS BALABAN P-CARD APR/MAY 2012 126143 BALABAN, LEONID YAKOVLEVICH	1,099.00	ACTUALS	ESP	9	ESP0228758	Jun 7, 2012	2012	12	SYSTEM	126143			
500800	DELL	5,006.60	ACTUALS	<u>5C3</u>	467	ACCAP21MKT	Jun 30, 2012	2012	12	ANDERSON, CALVIN	50137630			
	500800 COMPUTERS (BUNDLED< \$5000) 7,472.12													

Accrual Reversal/Actual Charge:

In this example, the initial accrual was reversed on July 1, 2012 (in the next Fiscal Year). The actual invoice was paid on July 25, 2012.

ACCT	JOURNAL IN DESC	ACTUAL	BAE CODE	SRCE CODE	LN#	JOURNAL ID	JOURNAL DATE	FY	PRD	OPER NAME	REF	PO	INVOICE ID	VNDR NAME
500800 COMPUTERS (BUNDLED< \$5000)														
500800	DELL	(5,006.60)	ACTUALS	5C1	467	ACXAP21MKT	Jul 1, 2012	2013	1	DAY,RYAN EDWARD	MULTIPLE			
500800	LATITUDE E6520: LATITUDE E6520;LATITUDE E6520	5,006.60	ACTUALS	AP	654	AP00894474	Jul 25, 2012	2013	1	SYSTEM	50137630	1000090522	XFT4MRRT4	DELL MARKETING LP
	500800 COMPUTERS (BUNDLED< \$5000)	0.00												



Example 2 – Construction

The University is constructing a new building. On June 25, the University received an invoice for construction performed in May for \$600,000. The timing of the monthly billing is usually consistent. Fiscal year-end is June 30.

When should June's billing be recorded, and for how much?

Example 3 – Subcontracts

On June 25, the University received a billing from its subcontractor on a research award for their May expenses. The timing of the monthly billing is usually consistent. Fiscal year-end is June 30.

How (and when) should June's expenses be recorded?

Example 4 – Payroll

The University's payroll for the month of June is paid on July 1. Fiscal year-end is June 30.

The biweekly payroll for the 2-week period ending June 21 is paid on July 3.

The biweekly payroll for the 2-week period ending July 5 is paid on July 19.

Example 4 – Payroll-related

- Other postemployment benefits (OPEB)
- Alternate medicare plan (AMP)
- Compensated absences

- Paper forms, payment vouchers, and purchase orders
- ACCAP: Initial accrual of paper forms (Payment Authorizations, Study Subject Payments, and Non-Employee Reimbursements).
- ACCAPMKT: Initial accrual of supplier invoices, including PO/SPO invoices and payment vouchers in the Marketplace.
- ACCRECEIPT: Initial accrual of online receiving for POs in the Marketplace.
- Travel reconciliation and procurement card
- ACCESE: Accrual of Concur Expense System Travel Reconciliation Reports (assigned Travel Card expenses plus submitted out-of-pocket expenses).
- ACCEST: Accrual of unassigned Travel Card expenses.
- ACCESA: Accrual of unassigned Concur Expense System Cash Advances.
- ACCESP: Accrual of Concur Expense System Procurement Card expense reports plus unassigned procurement card expenses.

ACCAP

- Initial accrual of paper forms (Payment Authorizations, Study Subject Payments, and Non-Employee Reimbursements)
- Normal process:
 - □ Department submits paper form to PSC
 - □ PSC creates voucher in PeopleSoft (DR expense, CR voucher payable)
- Accrual logic:
 - □ Vouchers created July 1-3 are presumed to relate to June activity

Transactions in Marketplace

Normal process:

Expense

incurred

Accrual needed

- □ Department creates requisition in Marketplace
- □ Approved requisition creates a purchase order
- ☐ Supplier delivers product/service
- □ Department enters receipt in Marketplace (if PO >\$5K)
- □ Supplier invoice received in Marketplace
- ☐ Match process
 - ☐ If PO < \$5K, 2-way match between PO and invoice
 - □ If PO > \$5K, 3-way match between PO, invoice, and receipt
 - □ SPO if price & quantity on invoice = PO, & voucher approved
- ☐ Successful match = "payable" status
- Recorded In GL Uploaded to PeopleSoft (DR expense, CR accounts payable)

ACCRECEIPT

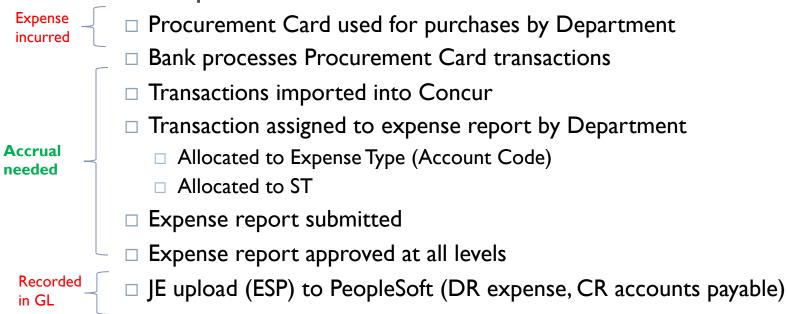
- Initial accrual of online receiving for POs in the Marketplace
- Accrual logic:
 - ☐ Transactions where receipt has been entered by the Department prior to July 3 (PO > \$5K) but no invoice yet to match it with
 - □ All PO receipts from July 1-3 are presumed to relate to June activity
- **Exception:**
 - ☐ For SPO, if received but no invoice entered, department must create a manual accrual

ACCAPMKT

- Initial accrual of <u>supplier invoices</u>, including PO/SPO invoices and payment vouchers in the Marketplace
- Accrual logic:
 - □ Transactions with a PO dated prior to June 30 that "match" (enter payable status) in Marketplace from July I 3 are accrued
 - □ Captures transactions where supplier invoice received but still in workflow (not yet in payable status) e.g. no receiving, match exception with quantity or price

Transactions in Concur – Procurement Card

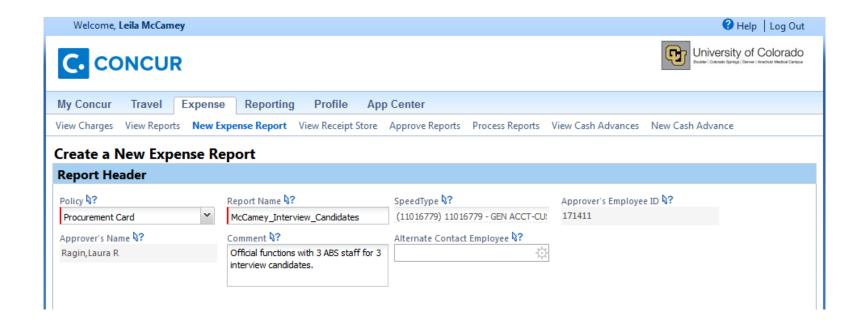
Normal process:



ACCESP

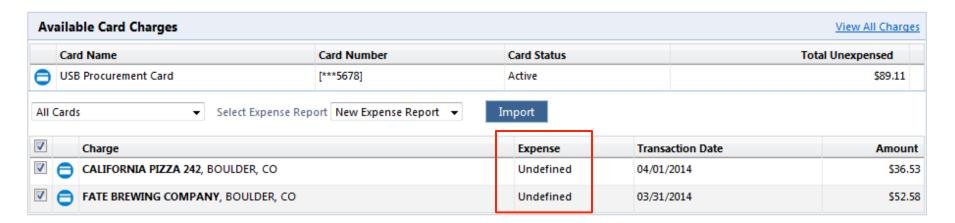
- Accrual of Concur Expense System Procurement Card expense reports plus unassigned procurement card expenses
- Accrual logic:

Procurement Card	Unassigned	Assigned to Expense Report	Allocated to ST
Speedtype	Default ST	Default ST	Allocated ST
Account Code	Defined by expense type, or 552601 if undefined	Defined by expense type, or 552601 if undefined	Assigned expense type (account code)



When creating the header, there is no option to change the ST. The default ST for this Procurement Card is automatically entered.

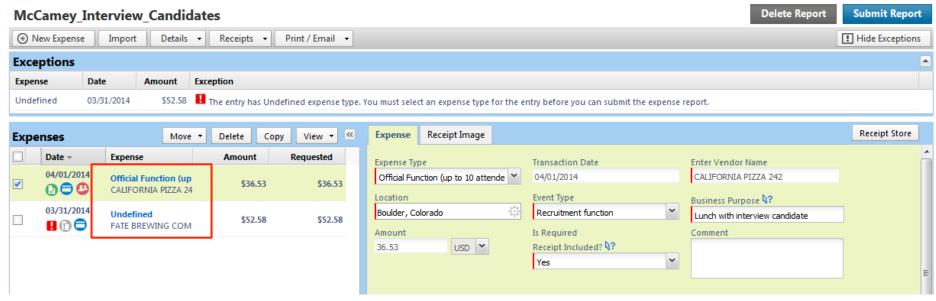




Charges in Concur are available to create expense reports, but have not yet been assigned to an expense report. If accrued now, these charges would go to the default ST for the Procurement Card and account 552601.

ST 11016779	DR 552601	\$89.11
	CR Accts Payable	\$89.11
Should be recorded as:		
ST 11021010	DR 550100	\$89.11
	CR Accts Payable	\$89.11

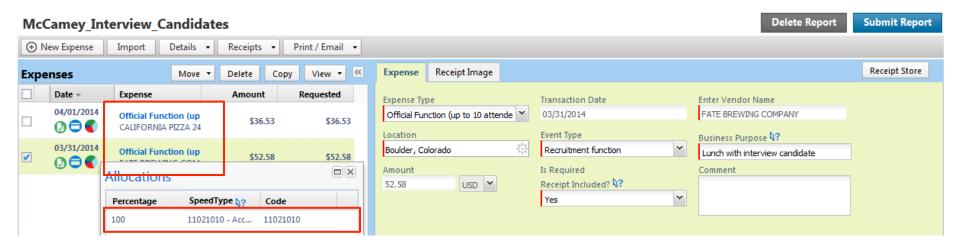




Both charges were originally undefined expense types. We assigned an expense type and ST to the first line, left the second as undefined. If accrued now, the entry would be:

ST 11021010	DR 550100	\$36.53	
	CR Accts Payable	\$36.53	
ST 11016779	DR 552601	\$52.58	(default ST and account)
	CR Accts Payable	\$52.58	

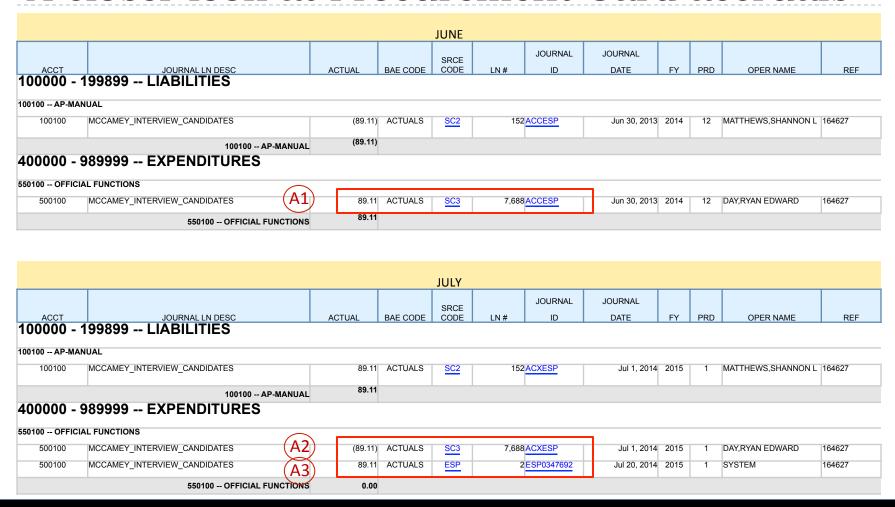




To correctly accrue these expenses, both need to be assigned to an expense type and allocated to the correct ST. In this situation, the entry will accrue correctly as:

ST 11021010 DR 550100 \$89.11 CR Accts Payable \$89.11

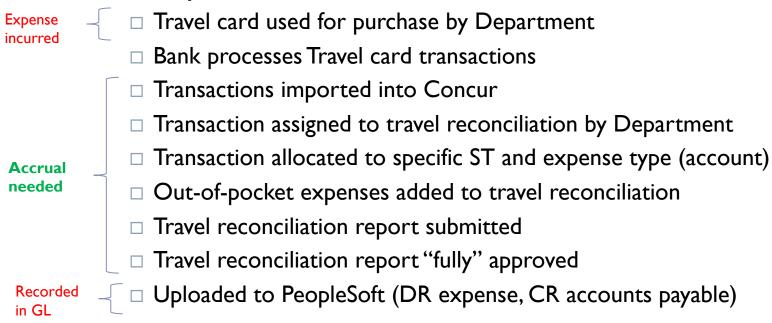






Transactions in Concur – Travel

Normal process:



ACCEST

Accrual of unassigned Travel Card expenses

ACCESE

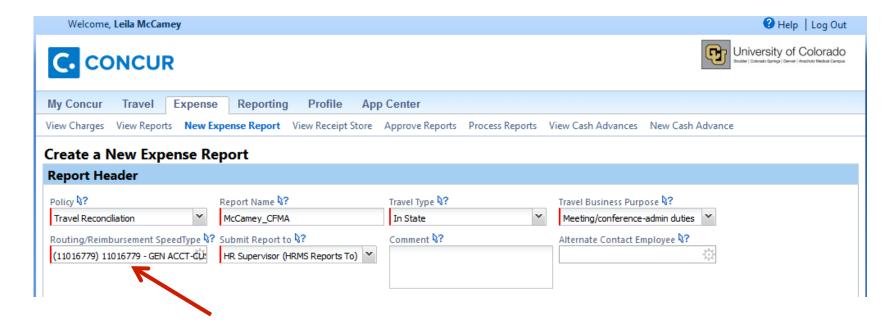
 Accrual of Concur Expense System Travel Reconciliation Reports (assigned Travel Card expenses plus submitted out-of-pocket expenses)

ACCEST & ACCESE

Accrual logic:

Travel Card	Unassigned	Assigned to Expense Report	Allocated to ST
Speedtype	Assigned by Campus Controller	Header ST	Allocated ST
Account Code	Defined by expense type, or 700200 if undefined, or 070200 if travel advance	Defined by expense type, or 700200 if undefined	Assigned expense type (account code)

▶ NOTE: Out-of-pocket expenses only accrued if submitted



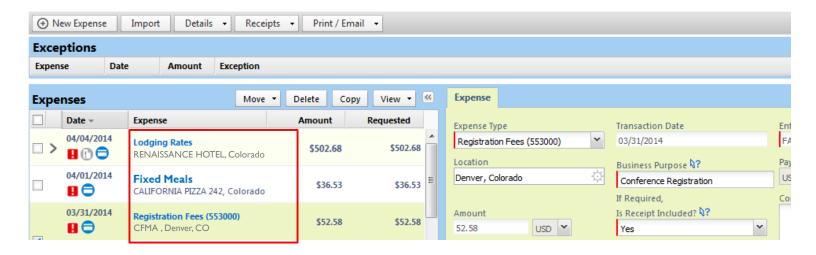
The ST assigned in the Header becomes the accrual ST for expenses on this report unless each expense is otherwise assigned.

AV	ailable Card Charges				View All Charges					
	Card Name	Card Number	Card Status		Total Unexpensed					
	USB Corp Travel Card	[***5678]	Active \$59							
AII (Select Expens	e Report New Expense Report	▼ Import							
	Charge		Evnence	Transaction Date	Amount					
	Charge RENAISSANCE HOTELS 242. COLORAD	OO SPGS. CO	Expense	Transaction Date 04/04/2014	Amount \$502.68					
_			Expense Lodging Rates Undefined		\$502.66 \$36.55					

These Travel Card charges have not yet been assigned to an expense report. If accrued now, the account is 700200 (unless otherwise defined) and the ST is assigned by the Campus Controller.

ST Controller Assigned	DR	700200	\$502.68	(sys defined expense type)
	DR	700200	89.11	(default expense type)
	CR	Accts Payable	591.79	
Should be recorded as:				
ST 11021010	DR	700100	\$539.21	
	DR	553000	52.58	

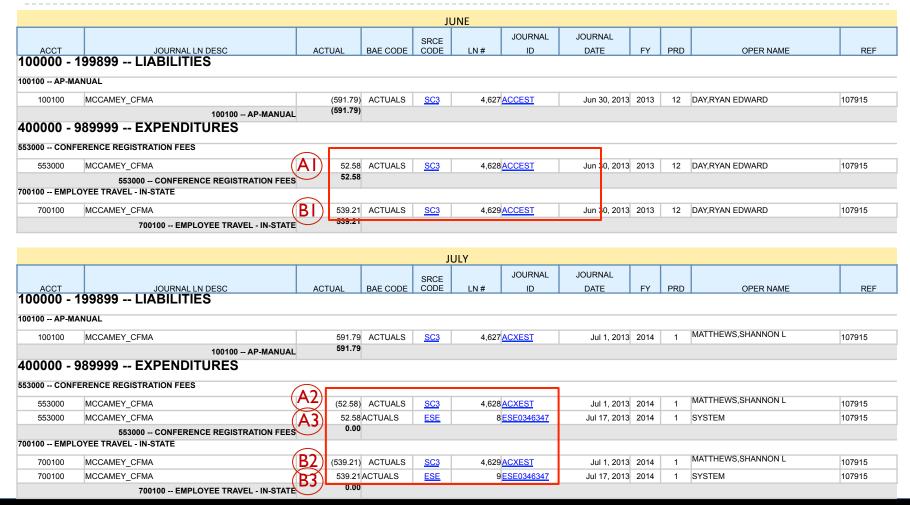




To correctly accrue these expenses, all need to be assigned to an expense type and allocated to the correct ST. In this situation, the entry will accrue correctly as:

ST 11021010 DR 700100 \$539.21 DR 553000 52.58 CR Acct Payable 591.79







Consequences for Not Accruing...

- Annual financial statements may be materially misstated
 - Liabilities and expenses under recorded
- Audit adjustment and/or comment
 - Search for unrecorded liabilities
 - □ Examine sample of payments made after YE, review underlying support
 - ☐ Errors are extrapolated

Resources

- OUC website: Fiscal Year-end Information
 - Https://www.cu.edu/controller/finance/

Fiscal Year-End 2013 Information

- FY 2013 Year-End Calendar
 - Online Version NEW Offers individual calendars for departments and faster viewing
 - Microsoft Excel Version
- FY 2013 InfoPacket for Departments NEW
 - Ensuring Posting and Payment in FY 2013
 - Ensuring Accrual to FY 2013: Forms, PVs, and POs
 - Ensuring Accrual to FY 2013: Travel Reconciliation and Procurement Card
 - Accruals and m-Fin Reports Paper Forms, Payment Vouchers, and Purchase Orders J.
 - Accruals and m-Fin Reports Travel Reconciliation and Procurement Card

Resources

- Your Campus Controllers Office
 - ▶ UCB: <u>accounting@colorado.edu</u>
 - UCCS: <u>acctfinc@uccs.edu</u>
 - ▶ UCD: finance@ucdenver.edu

To recap...

Group Exercise



Group Exercise...



FINANCIAL DETAIL

FISCAL YEAR ACCOUNTING PERIOD: 2013 12 -- JUN
THROUGH FISCAL YEAR ACCOUNTING PERIOD: 2013 12 -- JUN



PROGRAM PRINCIPAL: MARTIN, JOHN

PROGRAM FISCAL MANAGER: SMITH, PAUL

SPEEDTYPE: 12912345 -- SMITH AUXILIARY (ACTIVE)

FUND: 29 -- OTHER SELF-FUNDED OPERATIONS

ORG: 10331 -- ENGIN

PROGRAM: 51909 -- SMITH AUXILIARY

SUBCLASS: NO SUBCLASS

SUBCLASS:	: NO SUBCLASS													
ACCT	JOUR NAL LN DESC	A C T U A L	BAECODE	S R C E C O D E	LN#	J O UR N A L ID	J OUR NAL DATE	FY	PRD	OPER NAME	REF	PΟ	INVOICE ID	VNDI NAM
00100 AP-	M A N UA L													
100100	SMITH ACARD FYE 2013	(164.93)	ACTUALS	<u>SC3</u>	10,375	ACCESP	J un 30, 2013	2013	12	DAY,RYAN EDWARD	184611			
100100	SMITH ACARD FYE 2013	(125.00)	ACTUALS	<u>S C 3</u>	10,692	ACCESP	J un 30, 2013	2013	12	DAY,RYAN EDWARD	184611			
100100	SMITH - JUNE 2013	(1,200.00)	ACTUALS	<u>SC3</u>	18,498	<u>ACCESP</u>	J un 30, 2013	2013	12	DAY,RYAN EDWARD	184611			
	10 0 10 0 A P - M A N UA L	(1,489.93)												
80101 OFF 480101	FICE SUPPLIES SMITH ACARD FYE 2013	164.93	ACTUALS	SC3	6,591	ACCESP	J un 30, 2013	2013	12	DAY,RYAN EDWARD	184611			
480101	CMITH ACARD EVE 2012	125.00	ACTUALS	SC3	6,908	ACCESP.	J un 30, 2013	2013	12	DAY,RYAN EDWARD	184611			
	480101 OFFICE SUPPLIES	289.93												
5 3000 C O 553000	NFERENCE REGISTRATION FEES	1,200.00	ACTUALS	5.03	14,222	ACCESP	J un 30, 2013	2013	12	DAY,RYAN EDWARD	184611			
333000	553000 CONFERENCE REGISTRATION FEES	1,200.00	ACTUALS	سند	P+,222	ALLESP	J uli 30, 2015	2015	12	DAI,KIANEDWARD	104011			

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A1, B1, C1 = June Accruals (ACC)



Group Exercise...

FISCAL YEAR ACCOUNTING PERIOD:

THROUGH FISCAL YEAR ACCOUNTING PERIOD:

2014 1 -- JUL

FUND: 29 -- OTHER SELF-FUNDED OPERATIONS

SPEEDTY PE: 12912345 -- SMITH AUXILIARY (ACTIVE)

2014 1 -- JUL

PROGRAM FISCAL MANAGER: SMITH, PAUL

PROGRAM PRINCIPAL: MARTIN, JOHN

ORG: 10331 -- ENGIN

PROGRAM: 51909 -- SMITH AUXILIARY

SUBCLASS: NO SUBCLASS

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ACCT	JOUR NAL LN DESC	ACTUAL	BAE CODE	SRCE CODE	LN#	J O UR N A L ID	J O UR NA L DATE	FY	PRD	OPER NAME	REF	PO	IN VOIC E ID	VNDR NAME
100100 AP-I	MANUAL													
100100	SMITH ACARD FYE 2013	164.93	ACTUALS	<u>SC3</u>	10,375	ACXESP	J ul 1, 2013	2014	1	ANDERSON,CALVIN	184611			
100100	SMITH ACARD FYE 2013	125.00	ACTUALS	<u>SC3</u>	10,692	<u>ACXESP</u>	J ul 1, 2013	2014	1	ANDERSON,CALVIN	184611			
100100	SMITH - JUNE 2013	1,200.00	ACTUALS	S.C.3	18,498	ACXESP.	J ul 1, 2013	2014	1	ANDERSON,CALVIN	184611			
	100100 AP-MANUAL	1,489.93												
480101 OFF	ICE SUPPLIES	2												
480101	SMITH ACARD FYE 2013	(164.93)	ACTUALS	<u>SC3</u>	6,591	<u>ACXESP</u>	J ul 1, 2013	2014	1	ANDERSON,CALVIN	184611			
480101	SMITH ACARD FYE 2013	(125.00)	ACTUALS	<u>SC3</u>	6,908	ACXESP	J ul 1, 2013	2014	1	ANDERSON,CALVIN	184611			
	480101 OFFICE SUPPLIES	(289.93)												
		_												
530101 LAB	& TECH SHOP SUPPLIES OFFICE MAX OFFICE MAX 6/28 LAB AND TECH SHOP	3)						_						
530101	OFFICE MAX OFFICE MAX 6/28 LAB AND TECH SHOP SUPPLIES (530101) SMITH A CARD FYE 2013 184611SMITH, PAUL	125.00	ACTUALS	<u>FSP</u>	1	FSP 0348059	J ul 27, 2013	2014	1	SYSTEM	184611			
	530101 LAB & TECH SHOP SUPPLIES	125.00												
553000 COI	NFERENCE REGISTRATION FEES											_		
553000	SMITH - JUNE 2013	(1,200.00)	ACTUALS	<u>SC3</u>	14,222	<u>ACXESP</u>	J ul 1, 2013	2014	1	ANDERSON,CALVIN	184611			<u> </u>
553000	PAYPAL *EPOS SMITH - EPOS REGISTRATION FEES (553000) SMITH - J UNE 2013 1846115 MITH, PAUL	1,200.00	ACTUALS	ESP.	1	ESP 0347743	J ul 6, 2013	2014	1	SYSTEM	184611			
	553000 CONFERENCE REGISTRATION FEES	0.00												,
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A2, B2, C2 = July Reversals(ACX)

A3, B3, C3 = July Actuals (ESP)



Group Exercise...



SPEEDTY PE: 13412345 -- ENDOWED CHAIR FUND (ACTIVE)

FINANCIAL DETAIL



FISCAL YEAR ACCOUNTING PERIOD: 2014

1 -- JUL

1 -- JUL THROUGH FISCAL YEAR ACCOUNTING PERIOD: 2014 PROGRAM PRINCIPAL: MARTIN, JOHN

PROGRAM FISCAL MANAGER: SMITH, PAUL

ORG: 10937 -- MORTON CENTER PROGRAM: 48305 -- ENDOWED CHAIR FUND

FUND: 34 -- RESTRICTED GIFT

SUBCLASS: NO SUBCLASS

ACCT	J O UR NAL LN DESC	ACTUAL	BAECODE	S R C E C O D E	LN#	J O UR N A L ID	JOUR NAL DATE	FY	PRD	OPER NAME	REF	PΟ	INVOICE ID	VNDR NAME
480101 OFFIC	CE SUPPLIES A	3												
	OFFICE MAX OFFICE MAX 6/27 OFFICE SUPPLIES (480101) SMITH ACARD FYE 2013 184611S MITH, PAUL	164.93	ACTUALS	<u>ESP</u>	3	ESP 0348059	J ul 27, 2013	2014	1	SYSTEM	184611			
	480101 OFFICE SUPPLIES	164.93												

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A3, B3, C3 = July Actuals (ESP)

To recap...

Today you learned:

- What is an accrual
- Why accruals are necessary
- What types of expenses are accrued and how
- Why accruals are reversed
- What the consequences are for not accruing
- What resources are available

Questions?



Thank you!

Don't forget to fill out your evaluations.

