



## PO Mass Close Process

## PO Mass Close Process

Security required to run the Mass PO Close process:

Role **PO\_RECON** or **BU\_ADMIN**

Tools required: Basic Excel skills to sort, concatenate, copy and paste.

Information required: Run the nVision report POADJBAL for your Business Unit, or other reports to identify the POs that should be closed. In other words, have a list of POs to be closed in a spreadsheet or text document.

Speed of processing depends on the number of users using this process. If multiple users are scheduling Mass PO Close, it may take a significant amount of time to complete the process and be able to run budget check on the closed POs.

The Mass PO Close does allow a specific accounting date, so POs can be closed with a specific close date after the end of the fiscal year. For fiscal year 2009, POs must be closed with a dated earlier or equal to 6-30-2009.

These instructions compliment the “Clean Up Current Year Purchase Orders” manual and should be used in conjunction with the manual at this link:

<http://www.uwsa.edu/fadmin/sfs/year-end%20close%20guidelines.htm>

Steps for Mass PO Close

1. Identify list of POs to close
2. Concatenate information to arrive at string of data with Business Unit, close accounting date and PO number.
3. Save list in Notepad.
4. Run PO Mass Close Job.
5. Integration broker closes each PO individually.
6. Verify POs that have not closed with the Query **UW\_PO\_NOT\_CLOSED\_ACTTG\_DT**
7. Run Query **UW\_PO\_MASS\_CL\_ACCTG\_DT** to get a list of all POs processed through the mass close for an Accounting Date by user. This assumes that the user is not entering POS while the close is being done.
8. Budget Check closed POs

As an example, this will illustrate the process by selecting Purchase Orders to be closed.

Example - Set filter on amount less than \$0.01.

UWOSH

		Based on Act Log where tran type equal to PO_POENC uw_kk_poDTL_vw		Based on Act Log where tran type equal to AP_YOUCHER and ledger ENC uw_kk_poDTL_vw		Formula	JNRL_LN record	Subtotal	PO Stat	Due Date	BCM Status POHdr record
PO ID	PO TYR	Original Enc	Liquidated Amount	Enc Balanc	GL Adj			Adjusted PO Balance	PO	Due Date	BCM Stat
0000012232	GEN	0.00	0.00	0.00	0.00			0.00	D	2008-02-19	V
0000012303	GEN	0.00	0.00	0.00	0.00			0.00	D	2008-03-05	V
0000012550	GEN	7,469.13	(7,469.13)	0.00	0.00			0.00	D	2008-05-14	V
0000012597	INTR	13,230.71	(13,230.71)	0.00	0.00			0.00	D	2008-05-19	V
0000012625	GEN	24,225.60	(24,225.60)	0.00	0.00			0.00	D	2008-05-21	V
0000012633	GEN	368.88	(368.88)	0.00	0.00			0.00	D	2008-05-22	V
0000012732	BLKN	0.00	0.00	0.00	0.00			0.00	D	2009-06-15	V
0000012743	PRIN	86.19	(86.19)	0.00	0.00			0.00	D	2008-07-02	V
0000012801	INTR	4,801.95	(4,801.95)	0.00	0.00			0.00	D	2008-07-03	V
0000012823	BLKP	3,625.00	(3,625.00)	0.00	0.00			0.00	D	2009-06-15	V
0000012839	GEN	5,227.50	(5,227.50)	0.00	0.00			0.00	D	2008-07-09	V
0000012842	PROE	245.00	(245.00)	0.00	0.00			0.00	D	2009-06-15	V
0000012906	PROE	25,935.00	(25,935.00)	0.00	0.00			0.00	D	2008-07-15	V
0000012983	PROE	590.56	(590.56)	0.00	0.00			0.00	D	2009-06-15	V
0000013082	INTR	70,090.29	(70,090.29)	0.00	0.00			0.00	D	2008-08-08	V
0000013099	INTR	832.81	(832.81)	0.00	0.00			0.00	D	2008-08-13	V
0000013125	PROE	69.72	(69.72)	0.00	0.00			0.00	D	2008-08-21	V
0000013157	PRIN	2,356.79	(2,356.79)	0.00	0.00			0.00	D	2008-08-27	V
0000013196	INTR	5,704.00	(5,704.00)	0.00	0.00			0.00	D	2008-09-09	V
0000013201	GEN	1,830.27	(1,830.27)	0.00	0.00			0.00	D	2008-09-10	V

Note: At this point you can send the list of POs to be closed to UWSA and we will process it for you.

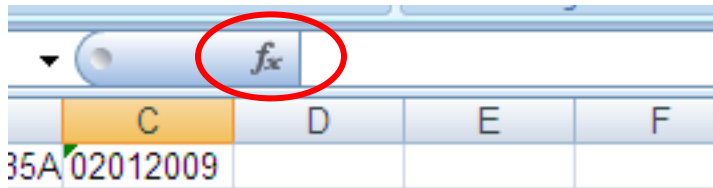
**For those more adventurous.....**

After the list of POs to be closed is identified through sorting, cut and paste the PO numbers to another sheet. Paste PO numbers into column 2. Put Business Unit into column D Cell 1 or D1. In Cell A1 Enter your Business Unit, Cell B1 is the date (In this format yyymmdd) Cell C1 is D (for Dispatched). See the following example.

	A	B	C	D	E	F
1	UWOSH	20090219	D	0000012232		
2				0000012303		
3				0000012550		
4				0000012597		
5				0000012625		
6				0000012633		
7				0000012732		
8				0000012743		

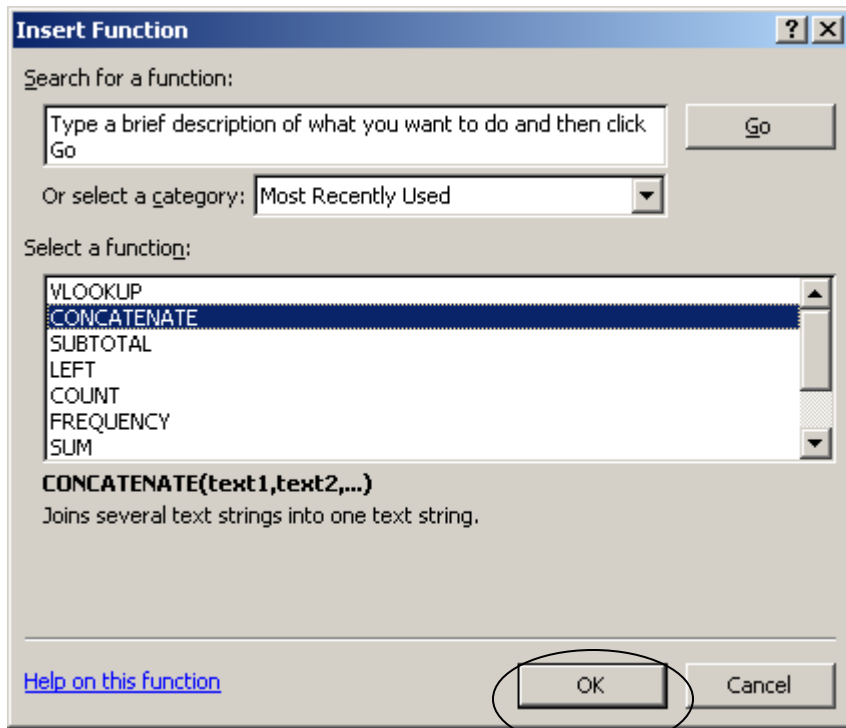
The next step is to concatenate this information into a string of characters for the PO Mass Close process. With your cursor in column E, row 1.

Use a function



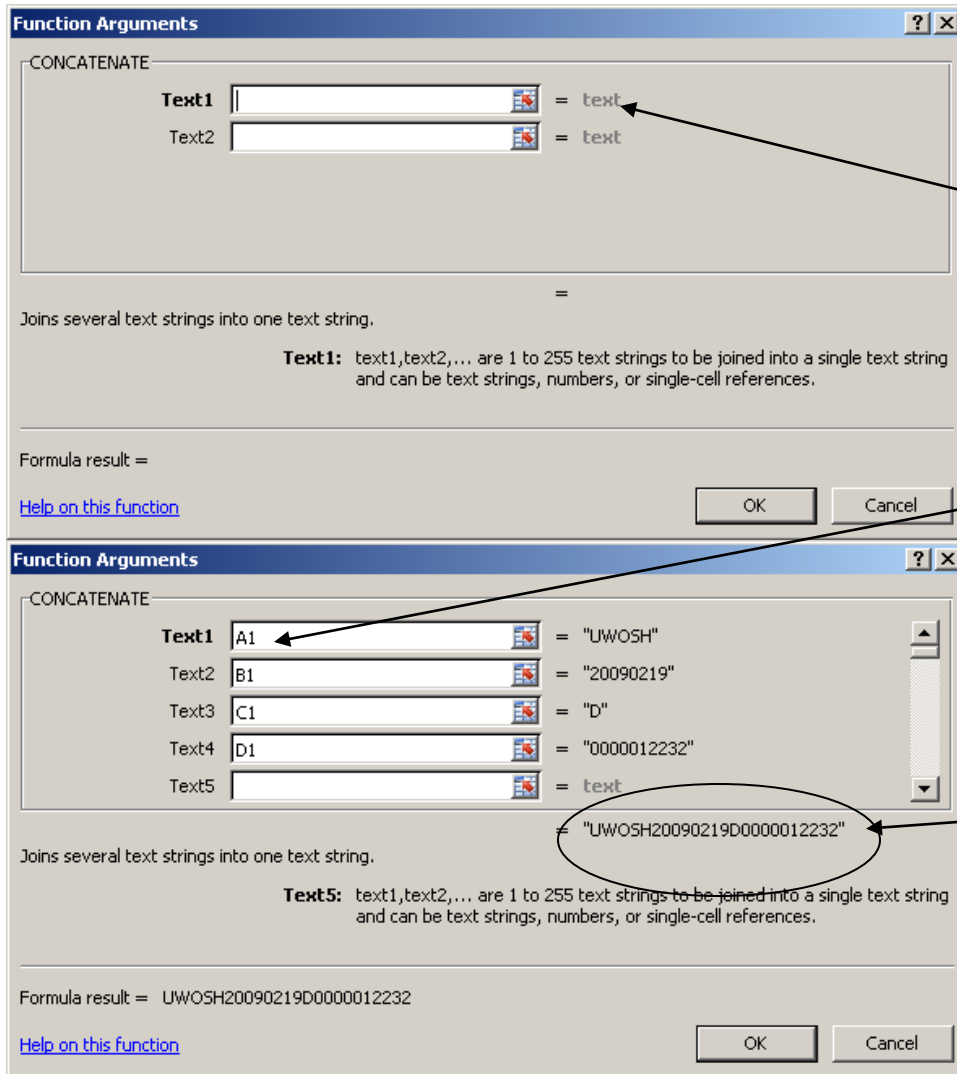
Click on the function icon.

This Search for a function by click the icon: type in Concatenate.  
Select Concatenate as the function

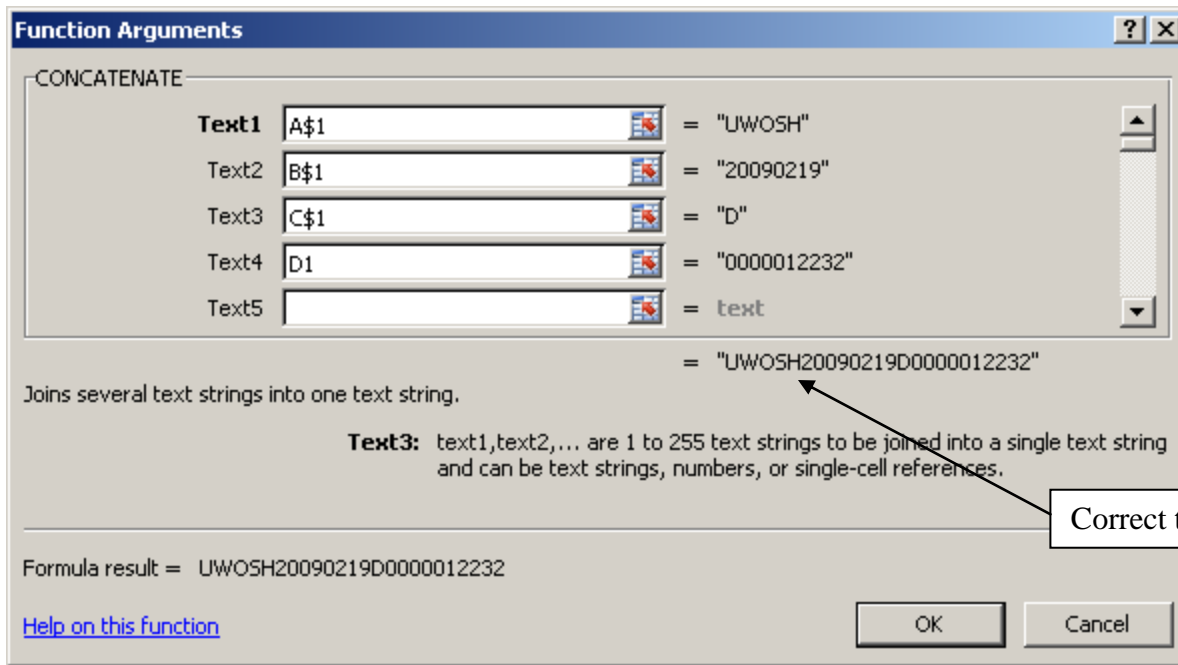


Type in “Concatenate” and the function will come up. This will combine different cells into one string of text. For the PO Close process, each PO must be in this format, “UWOSH20090219D0000012232”. In other words, Campus Business Unit, close date, PO Status and PO number combined.

Click on OK when you have selected Concatenate.



Click on the first line and click on the cell with the Business Unit. Place a \$ sign as shown – this will use cell A1 (Business Unit) to combine with the PO numbers. You can also type in A\$1. Second, click into the second line and click on cell B1 or type in cell B1. Third, click into the third line and then click on cell C1. Fourth, Click on cell D1 and tab out of field. Insert a dollar sign between A1 (A\$1), B1 (B\$1) and C1(C\$1). See next example and then click OK.



After verifying the correct text string format, click OK.

The string of characters is now in cell E.

	A	B	C	D	E	F	G
1	UWOSH	20090219	D	0000012232	UWOSH20090219D0000012232		
2				0000012303			
3				0000012550			
4				0000010507			

In Row E, Drag the formula down the entire list of POs to be closed. This is the list to be copied into notepad for the PO Mass Close process.

```
OSHPOCLOSE.txt - Notepad
File Edit Format View Help
UWOSH20090219D0000012232
UWOSH20090219D0000012303
UWOSH20090219D0000012550
UWOSH20090219D0000012597
UWOSH20090219D0000012625
UWOSH20090219D0000012633|
UWOSH20090219D0000012732
UWOSH20090219D0000012743
UWOSH20090219D0000012801
UWOSH20090219D0000012823
UWOSH20090219D0000012839
UWOSH20090219D0000012842
UWOSH20090219D0000012906
UWOSH20090219D0000012983
UWOSH20090219D0000013082
UWOSH20090219D0000013099
UWOSH20090219D0000013125
UWOSH20090219D0000013157
UWOSH20090219D0000013196
UWOSH20090219D0000013201
UWOSH20090219D0000013202
UWOSH20090219D0000013207
UWOSH20090219D0000013208
UWOSH20090219D0000013218
UWOSH20090219D0000013222
UWOSH20090219D0000013227
UWOSH20090219D0000013233
```

Column E has the correct format to submit POs for closure. This is the list to copy into notepad as shown.

Save the document where it can be easily found.

Note – At this point be sure to verify the numbers of POs to be submitted for closure. It is easier to count from your excel work sheet. If you run several PO Mass Close Processes, you may want to save the notepad files with different names for later verification of the close. The rules that will prevent a PO from Closing are still in effect with this process.

UNIVERSITY OF WISCONSIN SYSTEM Shared Financial System

Home Worklist MultiChannel Console Ad

Main Menu > Purchasing > Purchase Orders >

**Reconcile POs** [Edit "Re](#)

Perform reconciliation activities on purchase orders such as approve or cancel.

<p><b>Reconciliation Workbench</b> Analyze, approve, dispatch, unapprove, cancel, close, preview and print POs.</p>	<p><b>Close Purchase Orders</b> Close qualifying POs and produce the Purchase Order Reconciliation report.</p>	<p><b>Reopen POs</b> Reverse changes made to PO reconciliation process</p>
<p><b>Mass Close POs File</b> PO Close Mass File</p>		

Menu

- ▼ Purchasing
  - ▷ Requisitions
  - ▷ Request for Quotes
  - ▷ Procurement Contracts
  - ▷ Vendor Rebates
  - ▼ Purchase Orders
    - ▷ Stage/Source Requests
    - ▷ Acknowledgements
    - ▷ Manage Change Orders
    - ▼ Reconcile POs
      - [Reconciliation Workbench](#)
      - [Close Purchase Orders](#)
      - [Reopen POs](#)
      - [Mass Close POs File](#)
    - ▷ Review PO Information
    - ▷ Reports
    - ▷ Budget Year End Processing
    - [Add/Update Express](#)

Navigation to PO Mass Close: Purchasing/Purchase Orders/reconcile POs/Mass Close POs File

Add a new value the first time this is run. Click "Add".

**UW\_PO\_CLOSE\_DYN**

[Find an Existing Value](#) [Add a New Value](#)

Run Control ID:

[Add](#)

## PO Close Request

Run Control ID: PO\_MASS\_CLOSE

[Report Manager](#) [Process Monitor](#)

Run

### Process Request Parameters

Add

Delete

View

Attached File:

At this screen, browse for the PO close file by selecting the “Add” button.



Browse for the file here.

C:\Documents and Settings\janet larsen\Desktop\OSHPC Browse...

Upload Cancel

After selecting the file, select upload.

UW PO Close

### PO Close Request

Run Control ID: PO\_MASS\_CLOSE

[Report Manager](#) [Process Monitor](#)

Run

Process Request Parameters

Add Delete View Attached File: OSHPOCLOSE.txt

Save Return to Search Previous in List Next in List Notify

Add Update/Display

The close job is now ready to run. Select "Run".

### Process Scheduler Request

User ID: LSN Run Control ID: PO\_MASS\_CLOSE

Server Name:  Run Date: 02/04/2009

Recurrence:  Run Time: 1:20:53PM

Time Zone:

Select	Description	Process Name	Process Type	*Type	*Format	Distribution
<input checked="" type="checkbox"/>	UW_PO_CLOSE	UW_PO_CLOSE	Application Engine	Web	TXT	<a href="#">Distribution</a>

At Process Scheduler Request, select OK to start the job.

[Process List](#) [Server List](#)

View Process Request For

User ID: LSN  Type:  Last: 1 Days

Server:  Name:  Instance:  to

Run Status:  Distribution Status:   Save On Refresh

Select	Instance	Seq.	Process Type	Process Name	User	Run Date/Time	Run Status	Distribution Status	Details
<input type="checkbox"/>	4043820		Application Engine	UW_PO_CLOSE	LSN	02/04/2009 1:20:53PM CST	Success	Posted	<a href="#">Details</a>

PO Mass Close job has finished. The POs are not yet closed. Another process begins that will close each PO separately.

### How to view the transaction numbers for PO close.

From Process Scheduler, click on Details

Process List **Server List**

View Process Request For

User ID:   Type:  Last:     
Server:  Name:   Instance:  to   
Run Status:  Distribution Status:   Save On Refresh

Process List [Customize](#) | [Find](#) | [View All](#) |  First  1-11 of 11  Last

Select	Instance	Seq.	Process Type	Process Name	User	Run Date/Time	Run Status	Distribution Status	Details
<input type="checkbox"/>	4046633		Application Engine	UW_PO_CLOSE	LSN	02/17/2009 1:00:18PM CST	Success	Posted	<a href="#">Details</a>
<input type="checkbox"/>	4046632		Application Engine	UW_PO_CLOSE	LSN	02/17/2009 12:47:53PM CST	Success	Posted	<a href="#">Details</a>

Process Detail

Process

Instance: 4046633 Type: Application Engine  
Name: UW\_PO\_CLOSE Description: UW\_PO\_CLOSE  
Run Status: Success Distribution Status: Posted

Run

Run Control ID: PO\_MASS\_CLOSE  
Location: Server  
Server: PSUNX  
Recurrence:  
 Hold Request  
 Queue Request  
 Cancel Request  
 Delete Request  
 Restart Request

Date/Time

Request Created On: 02/17/2009 1:00:21PM CST  
Run Anytime After: 02/17/2009 1:00:18PM CST  
Began Process At: 02/17/2009 1:00:38PM CST  
Ended Process At: 02/17/2009 1:00:53PM CST  
[Parameters](#) Transfer  
[Message Log](#) [View Locks](#)  
[Batch Timings](#)  
[View Log/Trace](#)

Click on View Log/Trace

## View Log/Trace

### Report

Report ID: 1314507      Process Instance: 4046633      [Message Log](#)  
Name: UW\_PO\_CLOSE      Process Type: Application Engine  
Run Status: Success

### UW\_PO\_CLOSE

#### Distribution Details

Distribution Node: SFQA\_RPTNOD      Expiration Date:

#### File List

<u>Name</u>	<u>File Size (bytes)</u>	<u>Datetime Created</u>
<a href="#">.stdout</a>	456	02/17/2009 1:00:53.000000PM CST
<a href="#">AE_UW_PO_CLOSE_4046633.AET</a>	3,907	02/17/2009 1:00:53.000000PM CST
<a href="#">AE_UW_PO_CLOSE_4046633.trc</a>	6,266	02/17/2009 1:00:53.000000PM CST

#### Distribute To

<u>Distribution ID Type</u>	<u>*Distribution ID</u>
User	LSN

The file ending in .trc will have the transaction numbers for each PO to be closed. You can not match POs to the transaction numbers.

lapsed Trace Data...  
----->

```
33.677959 PublicationManager::Publish(): publication 43e5b3ee-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.1200 s
0.036989 PublicationManager::Publish(): publication 43fa5236-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.044499 PublicationManager::Publish(): publication 43fff560-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.037521 PublicationManager::Publish(): publication 4406c0b6-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.040763 PublicationManager::Publish(): publication 440c7718-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.036919 PublicationManager::Publish(): publication 4412bace-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.037152 PublicationManager::Publish(): publication 4418590c-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0100 s
0.033708 PublicationManager::Publish(): publication 441e09c4-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.046190 PublicationManager::Publish(): publication 442329e0-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.033788 PublicationManager::Publish(): publication 442a382a-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.048605 PublicationManager::Publish(): publication 442f655c-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0300 s
0.036967 PublicationManager::Publish(): publication 4436d49a-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0100 s
0.057790 PublicationManager::Publish(): publication 443c6fa4-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0400 s
0.035766 PublicationManager::Publish(): publication 44454598-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.032956 PublicationManager::Publish(): publication 444abd8e-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0100 s
0.036179 PublicationManager::Publish(): publication 444fc4aa-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0100 s
0.048875 PublicationManager::Publish(): publication 445550aa-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.037904 PublicationManager::Publish(): publication 445cc51a-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.044216 PublicationManager::Publish(): publication 44629120-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0300 s
0.039160 PublicationManager::Publish(): publication 44695604-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.047136 PublicationManager::Publish(): publication 446f5a68-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.037619 PublicationManager::Publish(): publication 44767a96-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.038544 PublicationManager::Publish(): publication 447c4124-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
0.034809 PublicationManager::Publish(): publication 44821de2-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0100 s
0.049912 PublicationManager::Publish(): publication 44876ebe-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0300 s
0.038090 PublicationManager::Publish(): publication 448f0cbe-fd25-11dd-8fbf-893adf5b9c1d.UW_PO_RECON_2 published in 0.0200 s
```

The Transaction ID numbers is the information in the red box. You will have to scroll over in this document to see this information.

When the UW\_PO\_CLOSE job has completed – Monitor at PeopleTools/Integration Broker/Service Operations  
 Monitor/Monitoring/Asynchronous Services

The screenshot shows the PeopleTools interface for monitoring asynchronous services. On the left is a navigation menu with 'Service Operations Monitor' expanded to 'Monitoring' and 'Asynchronous Services'. The main area has tabs for 'Monitor Overview', 'Operation Instances', 'Publication Contracts', and 'Subscription Contracts'. Below the tabs are search and filter options, including a 'Publish Node' field, an 'Archived' checkbox, and dropdowns for '\*Queue Level' (set to 'Oper Inst') and '\*Group By' (set to 'Service Operation'). A 'Time Period' section contains date and time pickers for 'From Date' (02/17/2009), 'To Date' (02/17/2009), 'From Time' (12:00:01AM), and 'To Time' (11:59:59PM), along with a 'Refresh' button. Below this is a table with columns: Service Operation, Error, New, Started, Working, Done, Retry, Timeout, Edited, Canceled, and Hold. The table lists five service operations, with 'UW\_PO\_RECON\_2' having 62 transactions in the 'Done' column, which is circled and pointed to by an arrow.

Service Operation	Error	New	Started	Working	Done	Retry	Timeout	Edited	Canceled	Hold
PSRF_REPORT_CREATE	0	0	0	0	286	0	0	0	0	0
ROLESYNCHEXT_MSG	0	0	0	0	8	0	0	0	0	0
TREE_CHANGE	0	0	0	0	13	0	0	0	0	0
USER_PROFILE	0	0	0	0	2029	0	0	0	0	0
UW_PO_RECON_2	0	0	0	0	62	0	0	0	0	0

Click on UW\_PO\_RECON\_2, under Done. However, the transactions can also be in a “Working” status. This is normal. Remember that other users can be running PO Close at the same time. You can use the time stamp to monitor your job or follow these instructions:

Node Name   Archived

External Service Name

Service Operation

Queue Name   Status

Transaction ID

Main Center

Time Period

From Date:  To Date:

From Time:  To Time:

Refresh

These are the PO Close Transactions. Done does not mean it has completed and closed the PO. You can drill down at "Details" to see if the process is Done.

Result Customize | Find | View All | First 1-62 of 62 Last

Select	Transaction ID	Queue Name	Publishing Node	Sub Queue	Status	Time Stamp	
<input type="checkbox"/>	44ebf26c-fd25-11dd-8fbf-893adf5b9c1d	UW_PO_RECON_2 PSFT_EP		<a href="#">Sub Queue Link</a>	Done	02/17/2009 1:01:23PM	<a href="#">Details</a>
<input type="checkbox"/>	44e4e17a-fd25-11dd-8fbf-893adf5b9c1d	UW_PO_RECON_2 PSFT_EP		<a href="#">Sub Queue Link</a>	Done	02/17/2009 1:01:22PM	<a href="#">Details</a>
<input type="checkbox"/>	44deb912-fd25-11dd-8fbf-893adf5b9c1d	UW_PO_RECON_2 PSFT_EP		<a href="#">Sub Queue Link</a>	Done	02/17/2009 1:01:21PM	<a href="#">Details</a>
<input type="checkbox"/>	44d43000-fd25-11dd-8fbf-893adf5b9c1d	UW_PO_RECON_2 PSFT_EP		<a href="#">Sub Queue Link</a>	Done	02/17/2009 1:01:20PM	<a href="#">Details</a>
<input type="checkbox"/>	44cea752-fd25-11dd-8fbf-893adf5b9c1d	UW_PO_RECON_2 PSFT_EP		<a href="#">Sub Queue Link</a>	Done	02/17/2009 1:01:19PM	<a href="#">Details</a>
<input type="checkbox"/>	44c9af5e-fd25-11dd-8fbf-893adf5b9c1d	UW_PO_RECON_2 PSFT_EP		<a href="#">Sub Queue Link</a>	Done	02/17/2009 1:01:18PM	<a href="#">Details</a>
<input type="checkbox"/>	44c393da-fd25-11dd-8fbf-893adf5b9c1d	UW_PO_RECON_2 PSFT_EP		<a href="#">Sub Queue Link</a>	Done	02/17/2009 1:01:17PM	<a href="#">Details</a>

## Asynchronous Details

Transaction ID	44ebf26c-fd25-11dd-8fbf-893adf5b9c1d		
External Service Name	UW_PO_RECON_2.v1		
Publishing Node	PSFT_EP	*Segment	1 <input type="button" value="Refresh"/>
Queue Name	UW_PO_RECON_2		<a href="#">View XML</a> <input type="button" value="Archive"/>
Queue Sequence ID	3218		
Sub Queue			
Original Pub Node	PSFT_EP	Uncompressed Data Length	1888
Status	DONE	Data Length View Limit	100000

[View IB Info](#)

Subscription Contracts			Customize	Find	First	1 of 1	Last
Action Name	*Segment	Status					
UW_PO_RECON	1	Done	<a href="#">View XML</a>	<input type="button" value="Resubmit"/>	<input type="button" value="Cancel"/>	Error Messages	<a href="#">View IB Info</a>

This shows that the last PO close transaction ID is done. You will want to check the last PO in the list of transaction IDs to be sure that last has processed before you run PO Budget Check or do other verifications.

Query to determine if all POs have closed: UW\_PO\_NOT\_CLOSED\_ACTTG\_DT

This will return a list of POs that have not closed. If you are not sure why these have not closed, send an e-mail to UWSA Problem Solvers.

Run POADJBAL report again to verify that all selected POs have closed.

## Query Manager

Enter any information you have and click Search. Leave fields blank for a list of all values.

[Find an Existing Query](#) | [Create New Query](#)

\*Search By:  begins with   
 [Advanced Search](#)

## Search Results

\*Folder View:

\*Action:

Query								
Customize   Find   View All								
First 1 of 1 Last								
Select	Query Name	Descr	Owner	Folder	Edit	Run to HTML	Run to Excel	Schedule
<input type="checkbox"/>	UW_PO_NOT_CLOSED_ACTTG_DT	POs not closed from IB publish	Public		<a href="#">Edit</a>	<a href="#">HTML</a>	<a href="#">Excel</a>	<a href="#">Schedule</a>

[Find an Existing Query](#) | [Create New Query](#)

This will return a list of POs that have not successfully closed on the account date you have specified. There will be a prompt for Business Unit

If any POs are returned for your campus, contact Janet Larson 608-890-1632 or Livvia Goff at 608-890-2977 or send an e-mail to: [uwsproblemsolvers@maillist.uwsa.edu](mailto:uwsproblemsolvers@maillist.uwsa.edu). Final Step is to run budget check on all closed POs.