

Adventures in implementing Labor Redistributions

Presented by: Roopa Chowbey, Roderick Wolfe George Washington University April 13, 2010 Session ID 0285

Session Rules of Etiquette

- Please turn off your cell phone/pager
- If you must leave the session early, please do so as discreetly as possible
- Please avoid side conversation during the session
- Please keep your questions to the end of the session

Thank you for your cooperation!

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Introduction

- This session gives an overview of our experience with implementing the Labor Redistribution application at GWU
 - -GW did not implement the Effort Certification portion of this application. Effort certification is currently done outside of Banner
- Attendees of this session will be introduced to the tasks, challenges and set-ups involved in implementing Labor Redistribution at their university

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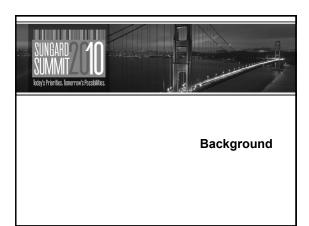
Agenda Slide

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- Background
 - -GW Overview
 - -Current process for Labor Redistribution requests
 - -Proposed process using Labor Redistributions in Banner -Application independent User requirements
- Set-up of application
 - -Building the Approval Routing Workflow
 - -Challenges due to different requirements and organization structures

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- Mapping the routing requirements to functionality available in set-up forms •
- Enhancements made to address requirements
- -Gap analysis of requirements vs. existing functionality Implementation



GW Overview

About 4300 data entry organizations across:

University side

codes

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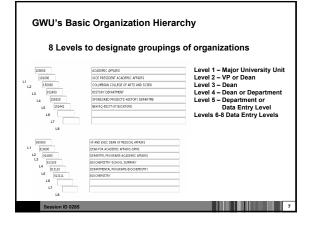
- Medical Center About 1500 organization
- codes · About 4650 employees
- About 10,600 employees Has sponsored and non-

About 2800 organization

- sponsored Research
- · Has sponsored and nonsponsored Research About 640 grant codes
 - About 565 Grant codes

•Approximately 80 initiators across the two organizations •An average of 4000 redistribution requests processed per year for both

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Current process for Labor Redistribution requests

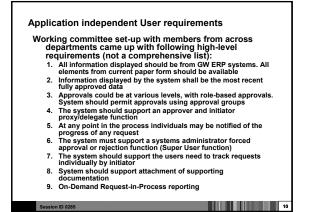
- · Paper based process
- · Paper request prepared and sent to approvers who write their comments on the paper
- · All entries and calculations done by Payroll
- · Issues with current process include:
- -Lack of efficiency
- -Errors related to incorrect data entry
- ${\rm Length}$ of time taken from start to finish
- -Lack of accountability
- -Initiator may not know who the right approvers are, so a significant approver may get missed
- -All data has to queried for, from disparate systems, and entered on the paper form by Initiator

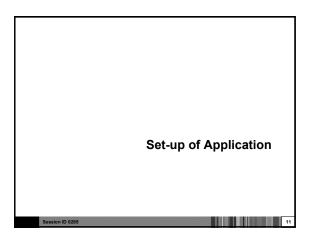
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Proposed process using Labor Redistributions in Banner

- Use the Labor Redistribution module in Banner 8, implemented as part of Self Service
- . Automatically populate the current distributions for an employee and display the FOAPAL elements for proposed redistribution for Initiator
- Automatically derive the approvers for a redistribution request based on set-up criteria
- Payroll does not have responsibility of entering the changes
- · Speedy approval process expected

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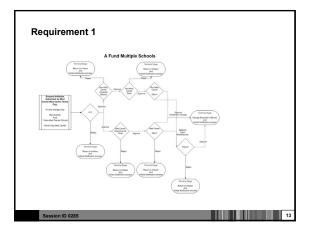




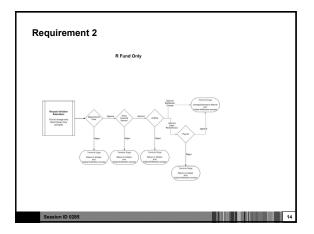
Building the Approval Routing Queues			
 Tasks involved getting requirements for approval routing from both the University side and Med center Initial requirements were complex and had many approval hops. Also, the routing was different for sponsored and non-sponsored research Sample of approval routings asked for: 			

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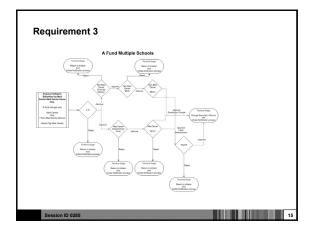
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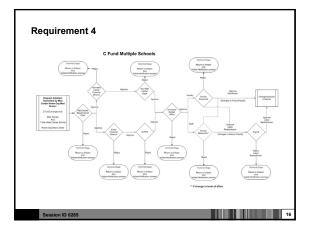














Challenges experienced in this phase

- Different approval routing asked for by different departments
- Information NOT maintained in Banner
 - —FTVORGN table Financial manager
 - -FTVFUND table Financial manager
 - -FRAGRNT tables for grant information such as title, dates, personnel, and user defined data
- . Documentation for set-up for Labor Redistribution was insufficient for GW to set-up the required approval routing
- Installing the application took time due to environmental as well as documentation issues

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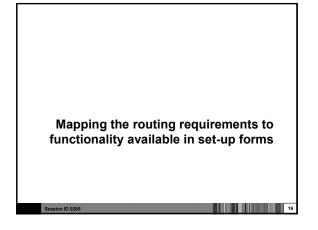
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Challenges addressed

- Worked with University and Medical Center focus group to streamline and standardize the approval process Complex routing requirements were whittled down into a simpler approval path, with no concurrent routings
- User groups revisited their own processes and came up with a list of absolutely necessary approvers Others on the list could be informed about the request
- However, there was still a mismatch between the routing requirements of the University and Med center

- requirements of the University and Med center Key information updated in Banner Financial Managers updated in FTVORGN and FTVFUND tables Grant information updated in FRAGRNT tables for titles, dates, and personnel Documentation insufficiencies were overcome by having an ex-SunGard employee as our consultant Application was installed initially with no SSL and later with SSL in a load-balanced environment, after working continuously with SunGard development team

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Initiator 🗲 De	als ean ➔ HRIS/Pa	yroll
Dean approvers - obta hierarchy	ined from the appropri	ate organization
College	Org Level	User Id
Columbian College	Org Level 3 150000	XXXDAC
Elliot	Org Level 4 180100	xxxRDS
Education	Org Level 4 160100	xxxGPN
HRIS/PAYROLL - a g authority User Id – xxxMJA User Id – xxxBNL User Id xxxGKB	roup of approvers with	ı equal approving

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Name	Data Source	Group Members	Seq	Action
PAYROL	Group	User Id – xxxMJA User Id xxxBNL User Id – xxxGKB	99.0	Approve
DEPTCHR	Organization		10.0	Approve
SPA2	Grant Ind = 00	2	20.0	Approve
EFD	Fund		30.0	Approve



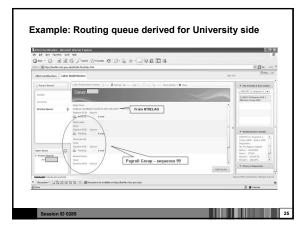
	Org Code	User Id	Seq	Action	FTYP
L 3	150000	XXXDAC	50.0	Approve	All
L 4	180100	XXXRDS	50.0	Approve	All
L 4	160100	xxxGPN	50.0	Approve	All
L 1	800000	xxxMGB	80.0	Approve	11
Not	e: FTYP 11 = Ur	restricted			

Deriving the routing queue based on set-up

For the University

- —In order to select the Dean of the college(s) involved in the redistribution request, we have updated the NTRELAQ form using the appropriate tier organization codes (which are the college level codes) for all organization codes that are on the University side
- —As a result, the routing queue builder begins with the organization code on the transaction and works its way up the organization hierarchy until it finds the User Id which we have only at the appropriate tier level the Dean

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Deriving the routing queue based on set-up - contd

For the Med Center

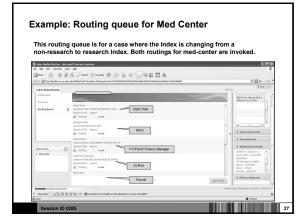
- e Med Center On the other hand, the med center requires the first approver to be the Department chair who is mapped to the Organization Finance manager at the data entry organization level In order to make this contradictory requirement possible, we populated the finance manager for data entry organizations only for the Med center data entry organizations and kept the field blank for the University organizations As a result, the routing queue builder begins with the organization code on the transaction and uses that code to select the organization financial manager as the department chair approver
- approver

For transactions crossing between the University and the Med Center

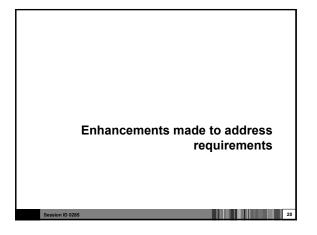
The University Dean will be selected from the User Id associated with the organization hierarchy
 The Med Center Department Chair will be the financial manager associated with the organization code

- The sequence code will ensure that the approval sequence is followed the department chair (10) will approve before the Dean (50).

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Gap analysis of requirements vs. existing functionality

- The following user requirements were not entirely met by the application 1. All elements from current paper form should be available — Users needed additional Grant related details to be displayed in the current and new distribution panels

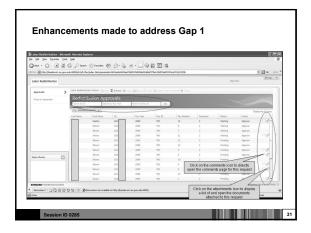
 - current and new distribution panels
 At any point in the process individuals may be notified of the
 progress of any request
 Uses wanted an email notification for approval requests in their
 inbox, if a request was sent back for rework or if a request was
 successfully completed
 The system should support the users need to track requests
 individually by initiator
 Users wanted a tab to display all open requests for an initiator when
 they logged into the application
 Surtem should compared to compare to formore

 - they logged into the application
 System should support attachment of supporting
 documentation
 Users wanted a mechanism to securely attach and retrieve
 supporting documentation per request
 On-Demand Request-in-Process reporting
 Detailed Management reports for open and closed requests,
 average time for processing etc.

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Addressing Gaps - 1

- All elements from current paper form should be available
- Enhanced UI for additional columns display of Grant related information (PTA - project, task, award details) Built an interface to bring in Grant and personnel information into Banner from Oracle Financials. .
- Enhanced UI to display a Comments icon in the Approvals Summary if there are comments made against a request. Click the Comments icon to open the Comments window
- Enhanced UI to display a "paper clip" attachments icon in the Approvals Summary if there are attachments for a request. Click the "paper clip" icon to open the Attachments window
- Enhanced UI to display only "Labor Redistribution" tab since GW was not implementing Effort Reporting





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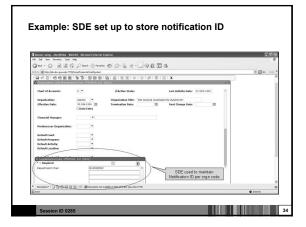


Addressing Gaps - 2

At any point in the process individuals may be notified of the progress of any request

- Built a custom notification system that can be reused by any other module of Banner. Works off of triggers on PHRLRRQ table and logs all sent emails into a custom table
- Challenge faced in deriving the final notification to Department chairs, because of contradictory routing requirements
- Resolved the issue by using Banner Supplemental Data
 Engine to set up a "notification department chair" column to store their Banner id for all data entry organizations

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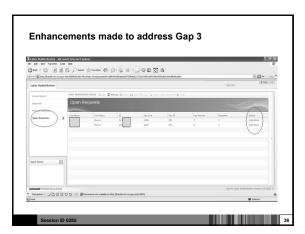




Addressing Gaps - 3

- The system should support the users need to track requests individually by initiator —Enhanced the application to include a new navigation link in the Initiator's page for Open Requests
 - -This navigation link is only available for Initiators
 - This navigation link displays all open requests initiated by the person logged in, similar in concept to the display in the Approvals tab
 - · Includes the Comments icon to indicate that comments have been entered

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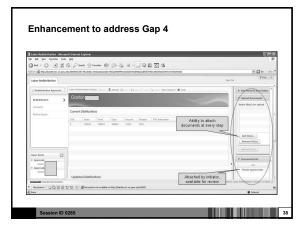


Addressing Gaps - 4

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- System should support attachment of supporting documentation
 - —Developed a custom solution to allow upload of different types of documents against a request
 - These documents are stored in our Document management system in a pdf format
 - -Initiators and approvers can attach documents
 - -Only the initiator and approvers for a request are able to view documents attached to a particular request
 - -Only the document owner can delete a document
 - -Documents are indexed on Banner pidm and pay event in the document management system
 - Access to the documents are only through the Labor Redistribution application, hence Banner security is maintained

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Addressing Gaps - 5

On-Demand Request-in-Process reporting

- Report for all open requests, along with their approval routing and the status of a request
- -Details of changes made for each request
- Report can be run for a number of input parameters, making it flexible for users to get the information they are looking for
- Report is run from Banner inb. Currently scheduled to be run nightly and a .csv file is made accessible to users

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Implementation

- Issue experienced while trying to implement a SSL solution for secure access to the application
- Prepared Training documents to cater to an audience • which is used to the paper form - the training process had to also include elements of change management
- User Acceptance testing sessions started off with training on the application
- Pilot approach or big-bang implementation?

Summary

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- Jummary

 The entire implementation took about 10 months to complete, from the initial discussion to final use.

 The 10 month project could roughly be divided into 4 phases, running concurrently at use.

 Initial requirements and routing discussion (8 weeks),

 Initial requirements and routing discussion (18 weeks),

 I stat clearup and updates in Banner (8 weeks),

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 I SME (Subject Matter Expert) consultant,

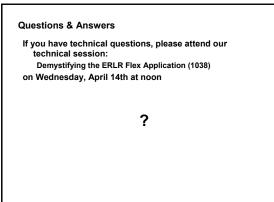
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Thank You!

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