MULTI-YEAR LABOR ENCUMBERING TRAINING GUIDE



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Multi-Year Labor Encumbering

Training Guide

APPROPRIATE USE AND SECURITY OF CONFIDENTIAL AND SENSITIVE INFORMATION

Due to the integrated nature of the various Human Resources, Finance and Student modules in Banner and the reporting information in the Enterprise Data Warehouse (EDW), you may have access to information beyond what you need to perform your assigned duties. Your access to Banner and the EDW has been granted based on business need, and it is your responsibility to ensure the information you access is used appropriately.

Here are some reminders of good data stewardship to help you carry out your responsibility:

- Do not share your passwords or store them in an unsecured manner. Do not leave your workstation unattended while logged on to administrative information systems. You are responsible for any activity that occurs using your logon ID.
- Do not share confidential and sensitive information with anyone, including colleagues, unless there is a business reason.
- Retrieve printed reports quickly, and do not leave the reports lying around in plain view.
- Secure reports containing confidential and sensitive information (e.g., FERPA, EEO, or HIPAA protected data).
- When disposing of reports containing confidential or sensitive information, shred the documents in a timely manner.

Your responsibilities regarding the protection and security of administrative information are outlined in the University of Illinois Information Security Policy for Administrative Information and Guidelines posted at https://www.obfs.uillinois.edu/bfpp/section-19-business-systems-access-security/section-19-5. Any violation could subject you to disciplinary action, which could include dismissal or, in those cases where laws have been broken, legal action. You should have signed a compliance form that indicates you have read, understand and agree to comply with the University's Information Security Policy for Administrative Information. If you have not already signed the compliance form, please see your Unit Security Contact, who is responsible for maintaining these forms.

Acknowledgements

Portions of this manual are based on Ellucian Banner System, Release 8.2.

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This documentation has been created specifically for the use of the Ellucian Banner System as it has been implemented at the University of Illinois System and for no other purpose.

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Course Information

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Overview

Encumbrances provide financial forecasting functionality that users currently use to manage funds over the course of a fiscal year or project. Encumbrances can be used to earmark funding for specific purposes, such as anticipated salary or purchases. Encumbrances reduce the budget balance available for the associated Fund, Organization, and Program code accounting string combination.

Payroll encumbrances are created from job records entered into the **Employee Jobs Form (NBAJOBS)** or the **HR Front End (HRFE)**. An encumbrance is created for each employee job record based on the beginning and end date of the job (if applicable based on employee class). The Banner labor and fringe encumbrance functionality was previously limited to the current fiscal year (through June 30). However, grant funds and federal appropriations typically span multiple fiscal years. This multi-year labor encumbrance enhancement creates separate labor encumbrances representing labor and fringe charges to be incurred in future fiscal years. This feature gives users a reliable method for tracking and managing future salary charges on grant funds and federal appropriations which span multiple fiscal years.

Setup for Multiple Year Labor Encumbering

The setup and maintenance required for multiple year labor encumbrances is transparent to most users and does not require business process changes in the departmental units. Payroll encumbrances are created from job records entered on **NBAJOBS** or the **HR Front End**. However, anticipated labor charges on grant funds are now obligated for the entire project or funding period of the grant.

The following describes how grant and federal appropriation funds are identified for multiple year labor encumbering in Banner.

The new enhancement includes an **Encumber Multi Year Labor** checkbox on the **Fund Type Maintenance form (***FTMFTYP***)** in Banner. All sponsored project fund types: 4A, 4C, 4E, and 4G are set up to encumber multi-year labor. Federal appropriations (Fund Type 4Y) also has this configuration.

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In addition to the Multi Year checkbox on *FTMFTYP*, there is a new **Encumber Multi Year Labor** checkbox on *FZMRFND*, a form used to set up grant funds. The Multi-Year indicator defaults from the fund type so all sponsored project funds, by default, encumber all future salary charges (regardless of the fiscal year the salary charges are incurred). The Grants Office has the option to uncheck the box for individual funds. (No action is needed by the departmental units.) Certain federal appropriations also have this box checked.

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Date Logic

The multiple year encumbering process uses various Finance and HR dates to determine the start and end dates of the encumbrance calculation. It is important for units to have a working knowledge of the date logic used to calculate salary and fringe encumbrances.

Start Date

The multiple year encumbering process uses the logic below to determine the encumbrance start date.

Encumbrance Start Date is the greater of:

- 1st day of the current fiscal year
- NBAJOBS Job Begin Date
- **NBAJOBS** Contract Begin Date
- **NBAJOBS** Labor distribution change
- NBAJOBS Latest recast date (most common) on the Job Labor Distribution tab, this is the Banner process that tracks the next work days not yet paid.

End Date

The multiple year encumbering process uses the logic below to determine the encumbrance end date.

- 1. If the Budget Period End Date on the **Research Accounting Fund Maintenance Form** (*FZMRFND*) is populated, the encumbrance end date is the earliest of the following:
 - FZMRFND Budget Period End Date (most common)
 - FZMFUND Termination Date
 - **NBAJOBS** Encumbrance Override End Date
 - NBAJOBS Job labor distribution FOAPAL changes in the active FY
 - NBAJOBS Contract End Date
 - NBAJOBS Job End Date
 - Maximum Fiscal Year defined on Fiscal Year form, NBAFISC
 - Maximum Payroll Year/Payroll ID defined on Payroll Calendar Rules form, PTRCALN

- 2. If Budget Period End Date on *FZMRFND* is NOT populated, and the Project End Date on *FZAGRNT* is populated, the encumbrance end date is the earliest of the following:
 - FZAGRNT Project End Date
 - FZMFUND Termination Date
 - **NBAJOBS** Encumbrance Override End Date
 - **NBAJOBS** Job labor distribution FOAPAL changes in the active FY
 - **NBAJOBS** Contract End Date
 - NBAJOBS Job End Date
 - Maximum Fiscal Year defined on Fiscal Year form, NBAFISC
 - Maximum Payroll Year/Payroll ID defined on Payroll Calendar Rules form, PTRCALN
- 3. If the *FZMRFND* Budget Period End Date and the *FZAGRNT* Project End Date are not populated, no MYE is calculated. The earliest of the following is used when calculating the end of the current year encumbrance:
 - FZMFUND Termination Date
 - NBAJOBS Encumbrance Override Date
 - **NBAJOBS** Job labor distribution FOAPAL changes in the active FY
 - NBAJOBS Contract End Date
 - **NBAJOBS** Job End Date
 - End Date of the Active Fiscal Year

Setup and Maintenance of Dates used in Multiple Year Encumbrance Calculations

In most cases, two dates that the Grants Office maintains are the dates used for encumbrance end date calculations: the **Grant Budget End Date** on *FZMRFND* and the **Grant Project End Date** on *FZAGRNT*. The definitions and process for entering and maintaining these dates is as follows:

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Cash Receipt Bank Code:	GA Reta	inage Accounts Receivable:	
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Research Accounting Fund Maintenance Form (FZMRFND)

FZMRFND: Budget Period End Date

- Represents the obligated funding period.
- Grants Office maintains as the funding period changes.

Grant Maintenance Form (FZAGRNT)

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Related Grant:		
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FZAGRNT: Project End Date

• Reflects the entire project period of the grant.

Use of Grant Dates in Multi-Year Labor Encumbering Example

A sponsored project award has a five year period of performance: 6/01/2009 through 5/31/2014, with budget currently obligated for the first year. The Grants Office enters Project and Budget End Dates as follows:

- FZAGRNT Project Start Date: 6/01/2009
- FZAGRNT Project End Date: 5/31/2014
- FZMRFND Budget Period Start Date: 6/01/2009
- **FZMRFND** Budget Period End Date: 5/31/2010 (Grants Office updates as additional years of funding are obligated.)

In most cases, the multiple year encumbering process for this example encumbers salary and fringe through 5/31/2010. However, as described previously, other factors such as a job end date earlier than 5/31/2010, a terminated fund, etc., will impact the encumbrance calculation end date.

Encumbrance Calculation Examples

Example 1 – Multiple Year Projection with a Change in the Labor Distribution during the Current Fiscal Year

The fiscal year is 7/1/2009 to 6/30/2010.

An employee is appointed to a position as of 7/1/2009, paid monthly, with an annual salary of \$60,000, and charged to one C-FOAP funded from institutional funds. Assign Salary is \$5,000 (salary per pay period from NBAJOBS).

The employee is assigned to work under a grant effective 2/16/2010. Therefore, a labor distribution change is entered effective 2/16/2010 moving from institutional funds to a grant fund. The grant obligated funding period runs for two years from 10/16/2009 to 9/15/2011.

Encumbrance process is run with a Recast Date of 1/16/2010.

The encumbrance calculation determines that, as of the Recast Date, the 7/1/2009 institutional C-FOAP has a current encumbrance amount of \$5,000 (Assign Salary x Number of Pays left = $$5000 \times 1$). The encumbrance process also determines that the 2/16/2009 FOAPAL has a current encumbrance amount of \$22,500.00 (Assign Salary x Number of Pays left = $$5,000 \times 4.5$), and a future encumbrance of \$72,500 (Assign Salary x Number of Pays left = $$5,000 \times 14.5$).

Example 2 – Multiple Year Projection with a Job End Date Prior to End of Grant Funding Period

The fiscal year is 7/1/2009 to 6/30/2010.

An employee is appointed to one C-FOAP with a grant fund on 7/1/2009 with an **NBAJOBS** Job End Date of 3/15/2011. The employee is paid monthly with an annual salary of \$12,000. Assign Salary is \$1,000.

The grant fund has obligated funding through 5/15/2011. The Budget Period End Date on *FZMRFND* is 5/15/2011. Encumbrance process is run with a Recast Date of 1/16/2010.

The calculation determines that, as of the Recast Date, the current encumbrance amount for this employee for this fiscal year is 5,500 (Assign Salary x Number of Pays left = 1000×5.5). The process also determines that the future encumbrance is 8,500 (Assign Salary x Number of Pays left = $1,000 \times 8.5$).

The grant funding period allows for another two pays through 5/15/2011, but because a Job End Date of 3/15/2011 exists, the future year encumbrance is limited to that date.

Example 3 – Multiple Year Projection with Multiple Labor Distribution C-FOAPs

The fiscal year is 7/1/2009 to 6/30/2010.

An employee is appointed to a position as of 9/1/2009, paid monthly, with an annual salary of \$60,000, and the Assign Salary is \$5,000. The labor distribution is assigned to one institutional fund at 66.67% and one grant fund at 33.33%.

The grant funding period runs from 9/16/2009 to 8/15/2012.

The encumbrance process is run with a Recast Date of 9/16/2009. The calculation determines that, as of the Recast Date, the current encumbrance of the job is \$47,500 (Assign Salary x Number of Pays left = $$5,000 \times 9.5$). The process also determines that the future encumbrance for the grant funded portion is 42,495.75 (Assign Salary x Number of Pays left x Grant C-FOAP% = $$5,000 \times 25.5 \times .3333$).

Multiple Year Encumbrance Data in Banner

Future year encumbrances post to Banner within the currently active fiscal year and period.

Grant Inception to Date Form (*FZIGITD*)

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Encumbrances for current and future years for a specific grant C-FOAP can be viewed in total using the *FZIGITD* form.

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		Orgn	Acct		
COA Inde:	Fund	Orgn 231000	Acct	Prog Actv	Locn Proj
COA Inde:	Fund 488373 259.46	Orgn 231000 Liquidation:	Acct 219210	Prog Actv 191100 0.00 Balance:	Locn Proj
COA Inde: 1 Encumbrance: [k Fund 488373 259.46 Type	Orgn 231000 Liquidation: Document Code	Acct 219210	Prog Actv 191100 0.00 Balance: Transaction Amount	Locn Proj 259.46 Remaining Balance
COA Inde: 1 Encumbrance: [k Fund 488373 259.46 Type	Orgn 231000 Liquidation: Document Code	Acct 219210	Prog Actv 191100 0.00 Balance: Transaction Amount	Locn Proj 259.46 Remaining Balance
COA Inde: 1 Encumbrance: [k Fund 488373 259.46 Type	Orgn 231000 Liquidation: Document Code	Acct 219210	Prog Actv 191100 0.00 Balance: Transaction Amount	Locn Proj 259.46 Remaining Balance
COA Inde: 1 Encumbrance: [Transaction Date	k Fund 488373 259.46 Type	Orgn 231000 Liquidation: Document Code	Acct 219210	Prog Actv 191100 0.00 Balance: Transaction Amount	Locn Proj 259.46 Remaining Balance

Detail Encumbrance Activity Form (FGIENCD)

The **Detail Encumbrance Activity Form (***FGIENCD***)** is used to query detailed transaction activities against encumbrances. The form displays useful information such as encumbrance status, creation date, and overall balance. With the multiple year encumbering enhancement, details of both current and future year labor and fringe are available and delineated by unique encumbrance item numbers.

Current Fiscal	Current Fiscal Year Encumbrance Item Numbers			
0	Gross Salary			
11	Medicare			
12	OASDI			
13, 14, 15	Retirement			
16	Federal Retirement			
17, 18, 19	Health, Life, Dental			
20	Urbana Grad Assistant Health Benefit			
21	Chicago Grad Assistant Health Benefit			

Multi-Year Labor Encumbering

Future Fiscal Y	Future Fiscal Year Encumbrance Item Numbers			
3	Future Year Gross Salary			
31	Medicare			
32	OASDI			
33, 34, 35	Retirement			
36	Federal Retirement			
37, 38, 39	Health, Life, Dental			
40	Urbana Grad Assistant Health Benefit			
41	Chicago Grad Assistant Health Benefit			

Reports

Several reports incorporate future year encumbrance data and dates used in multiple year encumbrance calculations.

- Asset/Liability Detail and Summary Statements and the Revenue/Expense/Transfer Detail and Summary Statements: Budget Period Start and End Dates from *FZMRFND* are available.
- **Revenue/Expense/Transfer Detail** and **Summary Statements Inception to Date**: Reflects total (current and future year) encumbrances.
- HRPAY00098 Payroll Encumbrance by Person Pay Period: *FZAGRNT* Project Start and End Dates, *FZMRFND* Budget Period Start and End Dates, and Fund termination date are available. Current and future year personnel encumbrance totals are separated.
- HRPAY00102 Payroll Encumbrance by Person Month End: *FZAGRNT* Project Start and End Dates, *FZMRFND* Budget Period Start and End Dates, and Fund termination date are available. Current and future year personnel encumbrance totals are separated.

Appendix A: Support and Resources

For questions, contact your university Grants and Contracts office or University Accounting and Financial Reporting.

- Urbana Grants & Contracts Post Award at gcopostuiuc@uillinois.edu or 217-333-2186
- Chicago Grants & Contracts
 at gcopost1@uillinois.edu or 312-996-3373
- Springfield Grants & Contracts Rebecca Jones at rjone1@uis.edu or 217-206-7849
- University Accounting and Financial Reporting
 Nick Unser at <u>nicku@uillinois.edu</u> or 217-244-6676 or
 David Andersen at <u>danderse@uillinois.edu</u> or 217-333-7460