ellucian.

Banner

Human Resources and Position Control

TRM Supplement

Release 8.12
July 2015

Notices

Without limitation: Ellucian®, Banner®, Colleague®, and Luminis® are trademarks of the Ellucian group of companies that are registered in the U.S. and certain other countries; and Ellucian Advance™, Ellucian Course Signals™, Ellucian Degree Works™, Ellucian PowerCampus™, Ellucian Recruiter™, Ellucian SmartCall™, are also trademarks of the Ellucian group of companies. Other names may be trademarks of their respective owners.

© YYYY-2015 Ellucian.

Contains confidential and proprietary information of Ellucian and its subsidiaries. Use of these materials is limited to Ellucian licensees, and is subject to the terms and conditions of one or more written license agreements between Ellucian and the licensee in question.

In preparing and providing this publication, Ellucian is not rendering legal, accounting, or other similar professional services. Ellucian makes no claims that an institution's use of this publication or the software for which it is provided will guarantee compliance with applicable federal or state laws, rules, or regulations. Each organization should seek legal, accounting, and other similar professional services from competent providers of the organization's own choosing.

Ellucian
4375 Fair Lakes Court
Fairfax, VA 22033
United States of America

Contents

Reports and Processes

The Banner Human Resources System contains the reports and processes shown in the chart below. In the chart, an asterisk (*) denotes a report that you can use only if both, Banner Human Resources and Banner Finance Systems are installed at your site.

Report/Process	Name	Description
NBPBROL	Budget Roll Process	Executes budget roll (including fringe benefits) to next fiscal year.
NBPBUDM	Budget Maintenance Process	Maintains budgets.
NBPENCM	Encumbrance Maintenance Process	Maintains encumbrances.
NBPMASS	Mass Salary Table Update	Updates groups of Table/Grade combinations by amount or percent.
NBPSPEX	Salary Planner Extract Process	Extracts data from Banner to the Salary Planner module in Employee Self-Service.
NBPSPUP	Salary Planner Upload Process	Uploads data from the Salary Planner module of Employee Self-Service to Banner.
NBPUPSP	Upload to Salary Planner	Uploads salary changes and position budget changes from an Excel spreadsheet into Banner's Salary Planner system.
NBRBWRK	Budget Work Sheet	Budget work sheet.
NBRFOAP*	FOAPAL Validation Report	Verifies the FOAPAL, identifies any invalid strings, and provides an exception report.
NBRPCLS	Position Class Listing	Lists defined position classes and salary guidelines.
NBRPINC	Position Class Incumbent	Lists employee salary information.
NBRPOSN	Position Report	Lists active, frozen, and/or canceled positions for a specified date range.
NBRPSTA	Position Status Exception Report	Lists exception status positions (that is, over budget, vacant, canceled, frozen, under-encumbered, or over-filled).
NHPFIN1	Finance Interface Extract	Extraction of budget, COBRA, and encumbrance data for Finance System interface.
NHPFIN2	Finance Interface Report	Passes data extracted by NHPFIN1 and PHPFEXP to Finance System, producing detailed report.

Report/Process	Name	Description
NHRBDST*	Budget Distribution Report	Prints budgetary information for selected FOAPALs. These data are given for each selected position: the amounts budgeted for specified earnings and benefits for the fiscal year, the amounts expended for these items during the fiscal year, and the percent of each budgeted amount represented by the associated expended amount.
NHRDIST*	Organization Payroll Distribution	Prints earnings and/or benefit data for each FOAPAL distribution covered by the report. A summary version prints only FOAPAL summary totals.
NHRDSTR*	Labor Distribution Report	Prints labor distributions, earnings and benefits amounts, and percentages for each employee position for the specified date.
NHRECRT*	Effort Certification Report	Prints information about selected funds or grants. The following data are given for each FOAPAL distribution covered by the report: data for each month covered by the report, including each employee's total amount for selected earnings and selected benefits and the percent of the selected earnings and benefits distributed to the FOAPAL.
NHREDST*	Employee Distributions Report	For each employee position, prints the sum of selected earnings and benefits distributed to each FOAPAL, tells what percent of the employee's total amount for selected earnings and benefits is represented by the reported sum, and specifies what percent of the employee's total job amount is represented by the sum of all earnings and benefits distributed to the FOAPAL. Can print similar data for earnings alone or benefits alone.
NHRSDST*	Employee Payroll Summary by Organization	Prints up to eight columns of earnings or benefit data for each FOAPAL distribution covered by the report. You define the contents of these columns via report parameters.
NOPEAMA	EA Mass Apply Process	Applies several electronic approval transactions at once.
NORAPTR	Electronic Approvals Transaction Report	Records electronic approval transactions for each electronic approvals user according to transaction status.
PARAPPL	Applicant Report by EEO Skill	Lists applicants by EEO skill.

Report/Process	Name	Description
PARMAPP	Match Applicants to Positions	Matches applicants to existing vacancies according to qualifications.
PARREQS	Requisition Status Report	Provides detailed status of requisition descriptions.
PCRCORT	COBRA Persons	Lists covered and enrolled COBRA persons.
PCRLTRS	Batch Processes for COBRA	Performs COBRA batch processes and letter generation.
PCRNOTF	COBRA Notification Letters	Generates notifications of COBRA eligibility.
PCRRATE	COBRA Rate Increase Report	Generates notifications of COBRA rate increase.
PDPBDMC	Benefits/Deduction Mass Change Process	Modifies benefit/deduction records of individuals or groups of employees based on report parameters and the criteria specified in the Benefit Deduction Mass Change Rule Form (PTRBDMC) and generates a report.
PDPCFLX	Flex Benefits Create Process	Creates records of all flexible benefits available to employees based on benefit category.
PDPF496	California STRS Report of Payroll Activity	Selects records for the STRS Monthly Report of Retirement Contributions (F-496), produces a printed report containing these records, or produces a flat file containing the records. (Applicable only to California sites.) Note that only the CALBHR product for the California Community Colleges has a fully functioning PDPF496 report. The baseline version does not contain some elements now required by CalSTRS.
PDPFLEX	Create Employee Deduction Recs	Creates Employee Deduction Records (PDRDEDN) from Flexible Benefit Records (PDRFLEX).
PDPLIFE	Life Insurance Calc Process	Performs life insurance deduction calculations and utilizes the database package routine `pdklife. p_calc_amts` which calculates coverage, premium, and salary amounts.
PDPMR87	California STRS MR-87 Report	Performs one, two, or three of the following functions: Selects records for the STRS-MR-87 Member Status/Name Change Notification report, produces a printed report containing these records, or produces a flat

Report/Process	Name	Description
		file containing the records. (Applicable only to California sites.) This report is obsolete for California clients. Note that only the CALBHR product for the California Community Colleges is supported for defect corrections and changes.
PDPPERS	California PERS Report of Payroll Contribution	Selects records for the PERS Monthly Report of Retirement Contributions, produces a printed report containing these records, or produces a flat file containing the records. (Applicable only to California sites.) This report is obsolete for California clients.
PDRBCOV	Beneficiary Coverage of Employees	Lists beneficiary coverage of employees and COBRA people.
PDRBFDN	Benefit Enrollment Report	Lists employees enrolled in each benefit
PDRBLST	Beneficiary of COBRA Persons/ Employes	Lists beneficiaries of employees and COBRA people.
PDRFLEX	Flex Benefits Enrollment List	Flexible benefits enrollment list.
PDRFLXU	Flex Benefits Unenrolled Emps	Flexible benefits unenrolled employees.
PDRFUPT	Flex Benefits Required Update	Flexible benefit required update to employee deduction records.
PDRLIFE	Life Insurance Coverage Report	Lists life insurance coverage and deductions by employee.
PEPAEXT	Employee Assignment Extract Process (for CA-MIS reporting)	Creates employee assignment on magnetic media. (Applicable to California sites only.)
PEPCSAL	Calculate Stats Salary (for CA-MIS reporting)	Calculates annual salary statistics. (Applicable to California sites only.)
PEPEDEX	Employee Demographic Extract Process for CA-MIS reporting)	Creates employee demographics on magnetic media. (Applicable to California sites only.)
PEPFACL	Faculty Load Update Process	Updates payroll table PERFACL with faculty load data from the Banner Student System.
PEPFCAP	Faculty Compensation Upload Process	Evaluates all job records created by the Faculty Load and Compensation module in Employee Self-Service and applies the data to Banner Human Resources.
PEPFLAC	Faculty Load and Compensation Extract Process	Extracts faculty assignments from Banner Student, applies compensation rules on extracted data and prepares the data for viewing in Employee Self-Service.

Report/Process	Name	Description
PEPPCRE	Canadian Pension Credit Calculation	Calculates Canadian pensionable service and pension credit.
PERAPND	Pending Action List	Lists pending employee actions.
PERCAF7	Canadian Form 7	Generates Canadian Form 7 Report.
PEREO41,2	EEO-4 Summary Report	Summarizes EEO-4 data in government-defined format.
PEREO4D	EEO-4 Detail Listing	Lists employees in each EEO-4 defined contract group.
PEREO51, -2, -3	EEO-5 Summary Report	Summarizes EEO-5 data in government-specified format.
PEREO5D	EEO-5 Detail Listing	Lists employees in each EEO-5 defined contract group.
PERFACL	Faculty Load Comparison Report	Displays comparative data for faculty load and the annual salary for all faculty.
PERHIRE	New Hires and Rehires Report	Lists new hires and rehires.
PERIPDS	IPEDS HR Data Collection	Generates the IPEDS HR Data Collection, including the Ethnicity Report.
PERLEAV	Leave Liability Report	Provides detailed employee leave data.
PERORGC	Organizational Chart Download	Produces a file for creating organizational charts.
PEROSHA	OSHA Form 300 and Form 300A	Generates OSHA Form 300 and Form 300A reports.
PERPAPP	Applicant Flow by Position Groups Report	Analysis of applicants by position group and gender/minority classification.
PERPGAN	Position Group Analysis Report	Position group analysis by gender/minority classification.
PERPHIR	New Hires by Position Groups Report	List of new hires by position group.
PERPTER	Terminations by Position Group Analysis Report	List of terminations by position group.
PERREVW	Reviews Pending Report	Provides data on employee reviews.
PERTERM	Termination Report	Lists details of employee terminations.
PERUTAN	Utilization Analysis Report	Reports on employee utilization by gender and minorities.
PERV100	Veteran Employment Report	Generates federal veteran's employment report (VETS-100/100A).

Report/Process	Name	Description
PERWFAN	Workforce Analysis Report	Workforce analysis by gender and minority classification.
PHPBOND	U.S. Savings Bond Process	Updates the U.S. Savings Bond balance on the deduction records and provides a list of bond purchases and balances.
PHPBREC	Bank Reconciliation Program	Bank reconciliation program.
PHPCALC	Payroll Calculation Report	Calculates payroll gross to net.
PHPCDIR	Canadian Direct Deposit Process	Creates Canadian Direct Deposit tape.
PHPCHEK	Check/Direct Deposit Notice	Updates check numbers and prints standard-sized checks and Direct Deposit notices.
PHPCHKL	Large Check/Direct Deposit Notice	Updates check numbers and prints checks and Direct Deposit notices in a combined size of 8 1/2" x 11".
PHPCXPN	Canadian Direct Deposit Reformatting Utility	Converts Canadian direct deposit file format of 250 bytes to 1464 bytes for those Canadian banks which accept only that format.
PHPDIRD	Create Direct Deposit Tape	Creates Direct Deposit tape to send to bank.
PHPDOCM	Calc Check/Direct Deposit Amounts	Calculates check and Direct Deposit amounts.
PHPECEX	Effort Certification Extract Process (PHPECEX)	Extracts data from the payroll history tables based on the rules established in PTRECPD, and uploads the data for display in Employee Self-Service.
PHPFEXP	Expenditures Finance Extract	Extracts expenditures data for interface to Finance System and updates the position expenses and encumbrances.
PHPLEAV	Leave Accruals and Taken Process	Accrues and processes leaves.
PHPMTIM	Mass Time Entry Process	Performs mass time entry validation and edits.
PHPPROF	Pay Period Proof Batch Module	Performs validation of time entry for payroll employees.
PHPRETO	Retroactive Pay Process	Creates retroactive pay for selected employees.
PHPSHRS	Verification of Student Hours Process	Checks, compares, and corrects the deduction status of student-employees based on their credit hours enrolled during a term.

Report/Process	Name	Description
PHPTIME	Time Processing Report	Extracts payroll information from the Personnel database.
PHPUPDT	Pay Period Update Batch Module	Updates permanent records at the end of a pay cycle.
PHRAFCA	US Affordable Care Act Hour Analysis Report	Identifies employees that have worked over a 30 hour per week average who would be eligible for Affordable Care Act coverage.
PHRCDST	Check Distribution List	Lists check and direct deposit notices.
PHRCISS	Check Issue Report	Lists issued checks.
PHRCOST	Cost Accounting Report	Captures labor costs by project, cost type, and employee ID after a payroll cycle is complete.
PHRDCON	Disposition Control Report	Reports on payroll status by identifying current level of payroll process for each employee.
PHRDERR	Payroll Errors Display Report	Lists errors encountered during payroll.
PHRDIRD	Direct Deposit Dist. Report	Lists Direct Deposit distribution.
PHRDREG	Deduction Register Report	Lists all payroll deductions.
PHRDSTT	Time Sheet Distribution Totals	Prints a list of Employee Counts by department for those employees who are to be paid during the payroll.
PHRFACE	Payroll Financial Aid Interface Report	Reports on payroll interface with Financial Aid System.
PHRHOUR	Report of Hours	Prints a listing of default or entered hours for employees being paid in the payroll.
PHRLGST	Employment and Payroll Canada	Creates a salary report for Canadian local government institutions division.
PHRLRAR	Labor Redistribution Audit Report	Reads the database and creates an audit report of labor redistribution events, showing the event to be redistributed (OLD) followed by the redistribution event (NEW).
PHRORGT	Organizational Time Sheet	Lists organizational time sheet totals.
PHRPREG	Payroll Register	Human Resources payroll register.
PHRROST	Time Sheet Roster Report	Prints rosters for all employees.
PHRSTCA	Statistics Canada Survey of Employment, Payrolls, and Hours	Statistics Canada report of earnings by category and period.

Report/Process	Name	Description
PHRTMSH	Print Time Sheet	Generates employee time sheets.
PHRTREG	Direct Deposit Tape Register	Direct Deposit tape register to accompany tape to bank.
PORAUDT	Audit Trail Report	Prints information from the Audit Trail.
PPRSINV	Skills Inventory Report	Lists employees with specified skills.
PXP1099	1099-R Load Process	Loads 1099-R data into PXA1099.
PXPMROE	Canadian Mass ROE Creation Process	Generates ROE records for multiple employees.
PXPMT42	1042 Media Transmission	Generates electronic media for transmission of 1042-S forms.
PXPW2xx (where xx is the year '06 or greater)	W-2c EFW2 File	20xx EFW2 File Generates a file (W2REPORT) in EFW2 format for use in filing United States W-2 information electronically.
PXPWCxx (where xx is the year '11 or greater)	W-2c EFW2 File	20xx EFW2 File Generates a file (W2CREPORT) in EFW2C format for filing United States W-2c information electronically.
PXPW2MM	W-2 2005 MMREF-1	Generates a file (W2REPORT) in MMREF-1 format for filing United States W-2 information prior to 2006.
PXPW2MP	Puerto Rico W-2 MMW2PR-1 File	Generates a file (W2REPORT) in MMREF-1 format for use in filing Puerto Rico W-2 information electronically.
PXR1042	1042-S Report	Generates 1042-S report.
PXR1099	1099-R Print Report	Generates 1099-R report.
PXRASCD	Annual Stats Canada Reporting	Produces a flat file or report for annual Statistics Canada surveys.
PXRLIST	Tax Table Report	Produces a report which shows all Tax Table entries.
PXRP941	Form 941 Detail Report	Detailed report of data used to complete the 941 Form.
PXRROEC	Canadian ROE Generation	Generates Canadian Record of Employment Form.
PXRTDEP	Tax Depository Report	Reports on a site's tax liabilities.
PXRW2PR	Puerto Rico W-2 Report	Generates completed Puerto Rico W-2 Wage and Tax Statements.

Report/Process	Name	Description
PXRW2xx (where xx is the year '06 or greater)	United States W-2 20xx	Generates United States W-2 form, Form 6559 totals report, and the error/log report pxrw2xx for tax year 20xx and greater.

Matrix

Legend	
Report or Process	The report/batch process name
Language	Identifies the language for the process - COBOL, C, Java
Update	Does the process update any tables? If this column is not checked, the report or process is query-only.
Audit	Can you run the update process in Audit Mode, so that you can produce the report without an update taking place? (Yes or No)
	A Yes appears in this column only if the process permits both update and audit mode. If Yes does not appear in this column, the report is query only.
Job Submission	Can you run the process via job submission?
Sleep/Wake	Is the process used in conjunction with Sleep/Wake?
Off Peak	Is it recommended that you defer this program to an off peak processing time (late night, weekends) for performance reasons?
Restart	If the process aborts or is terminated after the process is initiated, can you restart the process without any adverse consequences? (Yes or No)
	Yes does not appear in this column if the job can be restarted without special procedures. If Yes appears, refer to the Restart section of this chapter for more information regarding recovery procedures.

Report or Process	Language	Update	Audit	Job Submission	Off Peak	Restart
NBPBROL	C	Yes		Yes		Yes
NBPBUDM	C	Yes	Yes	Yes	Yes	Yes
NBPMASS	C	Yes	Yes	Yes	Yes	Yes
NBPENCM	C	Yes	Yes	Yes	Yes	Yes
NBPSPEX	C	Yes		Yes		Yes
NBPSPUP	C	Yes	Yes	Yes		Yes

Report or Process	Language	Update	Audit	Job Submission	Off Peak	Restart
NBRBWRK	C			Yes		Yes
NBRFOAP	C			Yes		Yes
NBRPCLS	C			Yes		Yes
NBRPINC	C			Yes		Yes
NBRPOSN	C			Yes		Yes
NBRPSTA	C			Yes		Yes
NHPFIN1	C	Yes		Yes	Yes	Yes
NHPFIN2	C	Yes	Yes	Yes	Yes	Yes
NHRBDST	C		Yes	Yes	Yes	Yes
NHRDIST	C		Yes	Yes	Yes	Yes
NHRDSTR	C		Yes	Yes	Yes	Yes
NHRECRT	C	Yes	Yes	Yes	Yes	Yes
NHREDST	C		Yes	Yes	Yes	Yes
NHRSDST	C	Yes	Yes	Yes	Yes	Yes
NOPEAMA	C	Yes		Yes		Yes
NORAPTR	C			Yes		Yes
PARAPPL	C			Yes		Yes
PARMAPP	C			Yes		Yes
PARREQS	C			Yes		Yes
PCRCORT	C			Yes		Yes
PCRLTRS	C			Yes		Yes
PCRNOTF	C			Yes		Yes
PCRRATE	C			Yes		Yes
PDPBDMC	C	Yes	Yes	Yes		Yes
PDPCFLX	C	Yes		Yes		Yes
PDPF496	C	Yes	Yes	Yes		Yes
PDPFLEX	C	Yes		Yes		Yes
PDPLIFE	C	Yes		Yes		Yes
PDPMR87	C	Yes	Yes	Yes		Yes
PDPPERS	C	Yes	Yes	Yes		Yes

Report or Process	Language	Update	Audit	Job Submission	Off Peak	Restart
PDRBCOV	C			Yes		Yes
PDRBFDN	C			Yes		Yes
PDRBLST	C			Yes		Yes
PDRFLEX	C			Yes		Yes
PDRFLXU	C			Yes		Yes
PDRFUPT	C			Yes		Yes
PDRLIFE	C			Yes		Yes
PEPAEXT	C	Yes	Yes	Yes		Yes
PEPCSAL	C	Yes	Yes	Yes		Yes
PEPEDEX	C	Yes	Yes	Yes		Yes
PEPFACL	C	Yes		Yes		Yes
PEPFCAP	C	Yes	Yes	Yes		No
PEPFLAC	C	Yes	No	Yes		Yes
PEPPCRE	C	Yes		Yes		Yes
PERAPND	C			Yes		Yes
PERCAF7	C			Yes		Yes
PEREO41, -2	C			Yes		Yes
PEREO4D	C			Yes		Yes
PEREO51, -2, -3	C			Yes		Yes
PEREO5D	C			Yes		Yes
PERFACL	C			Yes		Yes
PERHIRE	C			Yes		Yes
PERIPDS	C			Yes		Yes
PERLEAV	C			Yes		Yes
PEROSHA	C			Yes		Yes
PERORGC	C			Yes		Yes
PERPAPP	C			Yes		Yes
PERPGAN	C			Yes		Yes
PERPHIR	C			Yes		Yes

Report or Process	Language	Update	Audit	Job Submission	Off Peak	Restart
PERPTER	C			Yes		Yes
PERREVW	C			Yes		Yes
PERTERM	C			Yes		Yes
PERUTAN	C			Yes		Yes
PERV100	Java			Yes		Yes
PERWFAN	C			Yes		Yes
PHPBOND	C	Yes		Yes		Yes
PHPBREC	C	Yes				Yes
PHPCALC	COBOL	Yes		Yes		Yes
PHPCDIR	C	Yes		Yes		Yes
PHPCHEK	C	Yes		Yes		
PHPCHKL	C	Yes		Yes		
PHPCXPN	COBOL					Yes
PHPDIRD	C	Yes		Yes		Yes
PHPDOCM	C	Yes		Yes		Yes
PHPECEX	Java	Yes		Yes	Yes	Yes
PHPFEXP	COBOL	Yes		Yes	Yes	Yes
PHPLEAV	C	Yes		Yes		Yes
PHPMTIM	C	Yes		Yes		Yes
PHPPROF	C	Yes		Yes		Yes
PHPRETO	C			Yes		Yes
PHPSHRS	C	Yes		Yes		Yes
PHPTIME	C	Yes		Yes		Yes
PHPUPDT	C	Yes		Yes	Yes	Yes
PHRAFCA	C			Yes		Yes
PHRCDST	C	Yes		Yes		Yes
PHRCISS	C	Yes		Yes		Yes
PHRCOST	C	Yes		Yes		Yes
PHRDCON	C	Yes		Yes		Yes
PHRDERR	C	Yes		Yes		Yes

Report or Process	Language	Update	Audit	Job Submission	Off Peak	Restart
PHRDIRD	C			Yes		Yes
PHRDREG	C			Yes		Yes
PHRDSTT	C			Yes		Yes
PHRFACE	C			Yes		Yes
PHRHOUR	C			Yes		Yes
PHRLGST	C			Yes		
PHRLRAR	C			Yes		Yes
PHRORGT	C			Yes		Yes
PHRPREG	C			Yes		Yes
PHRROST	C			Yes		Yes
PHRSTCA	C			Yes		Yes
PHRTMSH	C			Yes		Yes
PHRTREG	C			Yes		Yes
PORAUDT	C			Yes	Yes	
PPRSINV	C					Yes
PXP1099	C	Yes		Yes		Yes
PXPMROE	C	Yes	Yes	Yes	Yes	Yes
PXPDSW2	C	Yes	Yes	Yes	Yes	Yes
PXPMT42	C	Yes	Yes	Yes	Yes	Yes
PXPW2xx (where xx is year 2006 or greater)	C	Yes	Yes	Yes	Yes	Yes
PXPWCxx (where xx is year 2011 or greater)	C	Yes	Yes	Yes	Yes	Yes
PXPW2MM	C	Yes		Yes	Yes	Yes
PXPW2MP	C	Yes		Yes	Yes	Yes
PXR1042	C	Yes		Yes	Yes	Yes
PXR1099	C			Yes		Yes
PXRASCD	C	Yes		Yes		

Report or Process	Language	Update	Audit	Job Submission	Off Peak	Restart
PXRLIST	C			Yes		Yes
PXRP941	C			Yes		Yes
PXRROEC	C	Yes				
PXRTDEP	C	Yes		Yes	Yes	Yes
PXRW2xx (where xx is year 2006 or greater)	C	Yes	Yes	Yes	Yes	Yes
PXRW2PR	C	Yes		Yes	Yes	Yes
PXRW2US	C	Yes		Yes	Yes	Yes

PHPCHEK and PHPCHKL restart procedures

If your check run is interrupted or prints incorrectly, use the Job Submission module to resubmit PHPCHEK or PHPCHKL. To restart with a new starting number, follow the instructions below.

Reprint entire check run

Resubmit PHPCHEK or PHPCHKL. At the **Last Good Document Number** parameter, enter a number that is one less than the original starting number.

Restart in middle of check run

Resubmit PHPCHEK or PHPCHKL. At the **Last Good Document Number** parameter, enter the number of the last good check or direct deposit notice printed.

SQL*Plus scripts

The Banner Human Resources System supports the following SQL*PLUS scripts.

Script Name	Description
PAYALUG	Grants required ADVANCEMENT tables to PAYROLL "WITH GRANT OPTION".
PAYCIMG	Grants required COURTS tables to PAYROLL "WITH GRANT OPTION".
PAYFIMG	Grants required FIMSMGR tables to PAYROLL "WITH GRANT OPTION".
PAYFORD	Foreign Grant Driver Script

Script Name	Description
PAYFORG	Issues foreign grants from GENERAL, SATURN, FIMSMGR, ADVANCEMENT, and FAISMGR to an end user account.
PAYGENG	Grants required General tables to PAYROLL "WITH GRANT OPTION".
PAYGUSR	Generates grant script for new payroll user.
PAYPOSG	Grants required POSCNTL tables to PAYROLL "WITH GRANT OPTION.
PAYRESG	Grants required FAIMSGR tables to PAYROLL "WITH GRANT OPTION".
PAYSTUG	Grants required SATURN tables to PAYROLL "WITH GRANT OPTION".
PAYTRAG	Foreign Grant Accounts Receivable Tables to Payroll
PXPOUTP	Creates tax reporting fields for transmission to taxing authorities (for example, T4, 1099-R)

Sleep/Wake-Up routines

Currently, no sleep/wake-up routines are predefined for the Banner Human Resources System. You can initiate a sleep/wake-up routine using the following processes in the different operating systems.

Banner provides two different mechanisms for running jobs in a cyclical or "sleep/wake-up" manner.

Method one

The first method uses OS command scripts and an SQL*Plus script to cause the job to run in a cyclical fashion. These jobs must be submitted from the operating system prompt and must be terminated manually.

To compile programs to run in this fashion, you must define the `NO_SLEEP_SW` as a pre-compiler directive to exclude the code used by the second technique.

UNIX method

The first command procedure, `sleepunx`, prompts for parameters needed by the second procedure and SQL*Plus script, `sleepunx.shl` and `sleepunx.sql` respectively. This procedure then starts (or submits) `sleepunx.shl`, which in turn starts `sleepunx.sql`. The SQL*Plus script `sleepunx.sql` will spool OS-specific commands to run the job into a file, provided there is actually work to do as determined by the parameters previously entered. When the SQL*Plus script exits, `sleepunx.shl` executes the "spool" file. The parameters needed by the program are contained in a `XXXXXXX.dat` file which are read via input redirection when the job executes. The second command procedure `sleepunx.shl` then "sleeps" for the specified interval, awakes, and loops back to start the SQL*Plus script again.

VMS method

This is essentially the same as for UNIX. The script names are `sleep.com`, `sleepdec.com`, and `sleepdec.sql`. Command input redirection is accomplished by defining `sys$input` as the `dat` file. The "sleeping" is done with the "wait" command.

Method two

The second method has the program issue the OS-specific "sleep" command. This is the default compile configuration for these jobs.

They may be submitted from either the operating system prompt or from the GJAPCTL form. If they are submitted manually, the parameters for the job are asked for interactively. If they are submitted from GJAPCTL, the parameters are read from the GJBPRUN table. Parameters used to control the interval are stored in the GJRSWPT table and may be changed as required without canceling and resubmitting the job. These jobs may be stopped by manually terminating them or setting an indicator on the GJASWPT form.

A significant change to sleep/wake-up using Method Two is that all values used as selection identifiers by the program must be defined on the GTVPRNT form. This is because the program reads GTVPRNT in order to get the actual OS print command. For Method One, the print command is passed as a parameter to the second command procedure.

Operating systems without sleep/wake-up commands

Operating systems which do not have sleep commands, or whose sleep commands may not be executed by user programs, must use the first method.

Generate the technical addendum

You can generate the components of the Technical Addendum at your site as often as required.

Procedure

1. The Data Element Dictionary (DED) can be generated by running the GURPDED Pro*C program that is delivered in Banner General.

2. The List of Reports and Parameters can be generated by running the GJRRPTS Pro*C program that is delivered in Banner General.

Banner Human Resources/Position Control APIs and BPIs

A *Banner API* is essentially a database package that encapsulates the business logic surrounding a Banner business entity.

A *Banner business entity* is the fundamental unit of information that a Banner application can modify. For example, a course, address, e-mail, and telephone number.

APIs leverage Banner messaging support so that Banner becomes *messaging enabled*, for example, be able to stimulate the production of messages based on changes to data they own. Programs within Banner as well as external systems can then manipulate a business entity or table by calling APIs. The foundation of all Banner APIs is the ability to perform CRUD (create, retrieve, update, and delete) actions on the database.

APIs contain the same validation logic and edits that are executed when performing these actions (CRUD) from a Banner Internet-Native form, self-service page, or batch process.

For example, calling the API for the employee business entity allows you to:

- Create employee information (insert rows into the Employee table).

- Retrieve data from the Employee table.

- Update employee information (modify rows in the Employee table).

- Delete employee information (physically remove data from the Employee table).

The advantages of using APIs include:

- APIs expose business objects that are useful to users of other applications comprising an institution's digital campus.

- APIs are bi-directional. That is, they support read and write functions.

- APIs ensure consistent edit and validation business logic (create, retrieve, update, and delete).

- APIs eliminate duplicate code that would need to be maintained in each application.

Human Resources APIs and BPIs

Affordable Care Act APIs

The following APIs are associated with Affordable Care Act processing.

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
pb_aca_coverage	ACA_COVERAGE	pb_aca_coverage	pdkb_aca_coverage0.sql pdkb_aca_coverage1.sql	PDRHIOC	
		pb_aca_coverage_rules	pdkb_aca_coverage_r0.sql pdkb_aca_coverage_r1.sql		
		pb_aca_coverage_strings	pdkb_aca_coverage_s0.sql pdkb_aca_coverage_s1.sql		
		dml	ptkd_pdrhioc0.sql ptkd_pdrhioc1.sql		
pb_aca_cov_updt_ select	ACA_COV_UPDT_ SELECT	pb_aca_cov_updt_select	ptkb_aca_covupdsel0.sql ptkb_aca_covupdsel1.sql	PTROCMU	
		pb_aca_cov_updt_select_ rules	ptkb_aca_covupdsel_r0.sql ptkb_aca_covupdsel_r1.sql		
		pb_aca_cov_updt_select_ strings	ptkb_aca_covupdsel_s0.sql ptkb_aca_covupdsel_s1.sql		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
		dml	ptkd_ptrocmu0.sql ptkd_ptrocmu1.sql		

Beneficiary and dependent tracking APIs

The following table provides a brief overview of the Beneficiary Allocations API.

For more details, refer to the *Banner Human Resources APIs*.

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
pb_beneficiary_alloc	BENEFICIARY_ALLOC	pb_beneficiary_alloc	pdkb_bene_alloc0.sql pdkb_bene_alloc1.sql	PDRBALC	PDABCOV Employee Self-Service Benefits Administration
		pb_beneficiary_alloc_rules	pdkb_bene_alloc_r0.sql pdkb_bene_alloc_r1.sql		
		pb_beneficiary_alloc_strings	pdkb_bene_alloc_s0.sql pdkb_bene_alloc_s1.sql		
		dml_pdrbalc	pdkd_pdrbalc0.sql pdkd_pdrbalc1.sql		

Benefits and deductions APIs

Two APIs are used with the following tables:

- The Base Deductions API contains the business logic for processing base deduction data (PDRBDED).
- The Detail Deductions API contains the business logic for processing detail deduction data (PDRDEDN).

One BPI is used to maintain the employee's Benefits and Deductions. This BPI, in turn, invokes one or more of the associated APIs.

NOTE: It is important to note that the APIs alone cannot be used to maintain the employee's Benefits and Deductions information. Applications must invoke the BPI to ensure data integrity. The new BPI is Benefits and Deductions BPI.

For more details, refer to the *Banner Human Resources APIs*.

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
pb_deductio_base	DEDUCTION_BASE	pb_deduction_base	pdkb_dedn_base0.sql pdkb_dedn_base1.sql	PDRBDED	Employee Self-Service Benefits Administration
		pb_deduction_base_rules	pdkb_dedn_base_r0.sql pdkb_dedn_base_r1.sql		
		pb_deduction_base_strings	pdkb_dedn_base_s0.sql pdkb_dedn_base_s1.sql		
		dml_pdrbded	pdkb_pdrbded0.sql pdkb_pdrbded0.sql		
pb_deduction_detail	DEDUCTION_DETAIL	pb_deduction_detail	pdkb_dedn_detail0.sql pdkb_dedn_detail1.sql	PDRDEDN	Employee Self-Service Benefits Administration
		pb_deduction_detai_rules	pdkb_dedn_detail_r0.sql pdkb_dedn_detail_r1.sql		
		pb_deduction_detai_strings	pdkb_dedn_detail_s0.sql		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
			`pdkb_dedn_detail_s1.sql`		
		`dml_pdrdedn`	`pdkd_pdrbded0.sql`		
			`pdkd_pdrbded1.sql`		

Benefits and deductions BPI

This BPI has been created to maintain the employee's Benefits and Deductions information. This BPI, in turn, invokes one or more of the Benefits and Deductions APIs.

It is important to note that the APIs alone cannot be used to maintain the Benefits and Deductions data. Applications must invoke the BPI to ensure data integrity. For more details, refer to the *Banner Human Resources APIs.*

BPI Entity Name	Associated BPI Packages	Associated Scripts	Associated Table	Affected Objects
`pp_ deduction`	`pp_deduction`	`pdkp_deduction0.sql` `pdkp_deduction1.sql`	PDRDEDN PDRBDED	Employee Self-Service Benefits Administration

Benefits administration APIs

The following table lists the Human Resources API associated with the Benefits Administration for New Hire Enrollment and Life Event Change Enrollment.

For more details, refer to the *Banner Human Resources APIs.*

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
pb_bene_provider_ info	BENE_PROVIDER_ INFO	pb_bene_provider_info	ptkb_provider_info0.sql ptkb_provider_info1.sql	PTRBPRV	PTRBDCA
		pb_bene_provider_inf_rules	ptkb_provider_info_r0.sql ptkb_provider_info_r1.sql		
		pb_bene_provider_inf_ strings	ptkb_provider_info_s0.sql ptkb_provider_info_s1.sql		
		dml_ptrbprv	ptkd_ptrbprv0.sql ptkd_ptrbprv1.sql		
pb_dedn_change_ reason	DEDN_CHANGE_ REASON	pb_dedn_change_reason	ptkb_dednchgreason0.sql ptkb_dednchgreason1.sql	PTRBREA	PTRBREA
		pb_dedn_change_reaso_rules	ptkb_dednchgreason_r0.sql ptkb_dednchgreason_r1.sql		
		pb_dedn_change_reaso_ strings	ptkb_dednchgreason_s0.sql ptkb_dednchgreason_s1.sql		
		dml_ptrbrea	ptkd_ptrbrea0.sql ptkd_ptrbrea1.sql		
pb_benefit_grp_ lifechg	BENEFIT_GRP_ LIFECHG	pb_benefit_grp_lifechg	ptkb_lifechg_group0.sql ptkb_lifechg_group1.sql	PTRLFCH	PTRLFCH

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
		pb_benefit_grp_lifechg_rules	ptkb_lifechg_group_r0.sql ptkb_lifechg_group_r1.sql		
		pb_benefit_grp_lifechg_strings	ptkb_lifechg_group_s0.sql ptkb_lifechg_group_s1.sql		
		dml_ptrlfch	ptkd_ptrlfch0.sql ptkd_ptrlfch1.sql		
pb_benefit_doc_lifechg	BENEFIT_DOC_LIFECHG	pb_benefit_doc_lifechg	ptkb_lifechg_doc0.sql ptkb_lifechg_doc1.sql	PTRLFSD	PTRLFCH
		pb_benefit_doc_lifechg_rules	ptkb_lifechg_doc_r0.sql ptkb_lifechg_doc_r1.sql		
		pb_benefit_doc_lifechg_strings	ptkb_lifechg_doc_s0.sql ptkb_lifechg_doc_s1.sql		
		dml_ptrlfsd	ptkd_ptrlfsd0.sql ptkd_ptrlfsd1.sql		
pb_benefit_lifechg	BENEFIT_LIFECHG	pb_benefit_lifechg	ptkb_lifechg_dedn0.sql ptkb_lifechg_dedn1.sql	PTRLFBD	PTRLFCH
		pb_benefit_lifechg_rules	ptkb_lifechg_dedn_r0.sql ptkb_lifechg_dedn_r1.sql		
		pb_benefit_lifechg_strings	ptkb_lifechg_dedn_s0.sql		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
			ptkb_lifechg_dedn_s1.sql		
		dml_ptrlfbd	ptkd_ptrlfbd0.sql		
			ptkd_ptrlfbd1.sql		
pb_oe_bene_alloc	OE_BENE_ALLOC	pb_oe_bene_alloc	pdkb_oe_bene_alloc0.sql	PDRTBAL	Employee Self-Service Benefits Administration
			pdkb_oe_bene_alloc1.sql		
		pb_oe_bene_alloc_rules	pdkb_oe_bene_alloc_r0.sql		
			pdkb_oe_bene_alloc_r1.sql		
		pb_oe_bene_alloc_strings	pdkb_oe_bene_alloc_s0.sql		
			pdkb_oe_bene_alloc_s1.sql		
		dml_pdrtbal	pdkd_pdrtbal0.sql		
			pdkd_pdrtbal1.sql		
pb_oe_coverage	OE_COVERAGE	pb_oe_coverage	pdkb_oe_coverage0.sql	PDRTCOV	Employee Self-Service Benefits Administration
			pdkb_oe_coverage1.sql		
		pb_oe_coverage_rules	pdkb_oe_coverage_r0.sql		
			pdkb_oe_coverage_r1.sql		
		pb_oe_coverage_strings	pdkb_oe_coverage_s0.sql		
			pdkb_oe_coverage_s1.sql		
		dml_pdrtcov	pdkd_pdrtcov0.sql		
			pdkd_pdrtcov1.sql		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
pb_oe_base_deduction	OE_BASE_DEDUCTION	pb_oe_base_deduction	pdkb_oe_basededn0.sql pdkb_oe_basededn1.sql	PDRBDOE	Employee Self-Service Benefits Administration
		pb_oe_base_deduction_rules	ppdkb_oe_basededn_r0.sql pdkb_oe_basededn_r1.sql		
		pb_oe_base_deduction_strings	pdkb_oe_basededn_s0.sql pdkb_oe_basededn_s1.sql		
		dml_pdrbdoe	pdkd_pdrbdoe0.sql pdkd_pdrbdoe1.sql		
pb_oe_detail_deduction	OE_DETAIL_DEDUCTION	pb_oe_detail_deduction	pdkb_oe_detldedn0.sql pdkb_oe_detldedn1.sql	PDRDTOE	Employee Self-Service Benefits Administration
		pb_oe_detail_deduction_rules	pdkb_oe_detldedn_r0.sql pdkb_oe_detldedn_r1.sql		
		pb_oe_detail_deduction_strings	pdkb_oe_detldedn_s0.sql pdkb_oe_detldedn_s1.sql		
		dml_pdrdtoe	pdkd_pdrdtoe0.sql pdkd_pdrdtoe1.sql		
pb_oe_errors	OE_ERRORS	pb_oe_errors	pdkb_oe_errors0.sql pdkb_oe_errors1.sql	PDRBERR	Employee Self-Service Benefits Administration
		pb_oe_errors_rules	pdkb_oe_errors_r0.sql		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
			pdkb_oe_errors_r1.sql		
		pb_oe_errors_strings	pdkb_oe_errors_s0.sql		
			pdkb_oe_errors_s1.sql		
		dml_pdrberr	pdkd_pdrberr0.sql		
			pdkd_pdrberr1.sql		
pb_ptvbdoc	N/A	pb_ptvbdoc	pvkb_ptvbdoc0.sql	PTVBDOC	PTRLFCH
			pvkb_ptvbdoc1.sql		

Biographic/demographic information APIs

The following table provides a brief overview of the Biographic/Demographic APIs.

For more details, refer to the *Banner Human Resources APIs*. These APIs replace the code in the corresponding Banner forms.

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
pb_certification	CERTIFICATION	pb_certification	ppkb_certification0.sql	PPRCERT	PPACERT
			ppkb_certification1.sql		
		pb_certification_rules	ppkb_certification_r0.sql		
			ppkb_certification_r1.sql		
		pb_certification_strings	ppkb_certification_s0.sql		
			ppkb_certification_s1.sql		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
		dml_pprcert	ppkd_pprcert0.sql ppkd_pprcert1.sql		
pb_endorsement	ENDORSEMENT	pb_endorsement	ppkb_endorsement0.sql ppkb_endorsement1.sql	PPRENDS	PPACERT
		pb_endorsement_rules	ppkb_endorsement_r0.sql ppkb_endorsement_r1.sql		
		pb_endorsement_strings	ppkb_endorsement_s0.sql ppkb_endorsement_s1.sql		
		dml_pprends	ppkd_pprends0.sql ppkd_pprends1.sql		
pb_experience	EXPERIENCE	pb_experience	ppkb_experience0.sql ppkb_experience1.sql	PPREXPE	PPAEXPR
		pb_experience_rules	ppkb_experience_r0.sql ppkb_experience_r1.sql		
		pb_experience_strings	ppkb_experience_s0.sql ppkb_experience_s1.sql		
		dml_pprexpe	ppkd_pprexpe0.sql ppkd_pprexpe1.sql		
pb_driver_license	DRIVER_LICENSE	pb_driver_license	ppkb_driver_lic0.sql	PPRDLIC	PPAGENL

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
			`ppkb_driver_lic1.sql`		
		`pb_driver_license_rules`	`ppkb_driver_lic_r0.sql`		
			`ppkb_driver_lic_r1.sql`		
		`pb_driver_license_strings`	`ppkb_driver_lic_s0.sql`		
			`ppkb_driver_lic_s1.sql`		
		`dml_pprdlic`	`ppkd_pprdlic0.sql`		
			`ppkd_pprdlic1.sql`		
`pb_honor_award`	`HONOR_AWARD`	`pb_honor_award`	`ppkb_honor_award0.sql`	PPRHNAW	PPAGENL
			`ppkb_honor_award1.sql`		
		`pb_honor_award_rules`	`ppkb_honor_award_r0.sql`		
			`ppkb_honor_award_r1.sql`		
		`pb_honor_award_strings`	`ppkb_honor_award_s0.sql`		
			`ppkb_honor_award_s1.sql`		
		`dml_pprhnaw`	`ppkd_pprhnaw0.sql`		
			`ppkd_pprhnaw1.sql`		
`pb_publication`	`PUBLICATION`	`pb_publication`	`ppkb_publication0.sql`	PPRPUBL	PPAGENL
			`ppkb_publication1.sql`		
		`pb_publication_rules`	`ppkb_publication_r0.sql`		
			`ppkb_publication_r1.sql`		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
		pb_publication_strings	ppkb_publication_s0.sql ppkb_publication_s1.sql		
		dml_pprpubl	ppkd_pprpubl0.sql ppkd_pprpubl1.sql		
pb_skill	SKILL	pb_skill	ppkb_skill0.sql ppkb_skill1.sql	PPRSKIL	PPASKIL
		pb_skill_rules	ppkb_skill_r0.sql ppkb_skill_r1.sql		
		pb_skill_strings	ppkb_skill_s0.sql ppkb_skill_s1.sql		
		dml_pprskil	ppkd_pprskil0.sql ppkd_pprskil1.sql		
pb_ptvends	n/a	pb_ptvends	pvkb_ptvends0.sql pvkb_ptvends1.sql	PTVENDS	PTVENDS PB_ENDORSEMENT
pb_ptvlcsv	n/a	pb_ptvlcsv	pvkb_ptvlcsv0.sql pvkb_ptvlcsv1.sql	PTVLCSV	PTVLCSV PB_CERTIFICATION
pb_ptvpubt	n/a	pb_ptvpubt	pvkb_ptvpubt0.sql pvkb_ptvpubt1.sql	PTVPUBT	PTVPUBT PB_PUBLICATION

Canadian Record or Employment APIs

The following APIs are associated with Canadian Record of Employment processing.

For more information, refer to the *Banner Human Resources APIs*.

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Forms and Processes
pb_payment_type	PAYMENT_TYPE	pb_payment_type	ptkb_payment_type0.sql ptkb_payment_type1.sql	PTRROEP	PTRROEP.fmb
		pb_payment_type_rules	ptkb_payment_type_r0.sql ptkb_payment_type_r1.sql		
		pb_payment_type_strings	ptkb_payment_type_s0.sql ptkb_payment_type_s1.sql		
		dml_ptrroep	ptkd_ptrroep0.sql ptkd_ptrroep1.sql		
pb_ptvroes	N/A	pb_ptvroes_	pvkb_ptvroes0.sql pvkb_ptvroes1.sql	PTVROES	PTVROES.fmb
pb_ptvroev	N/A	pb_ptvroev_	pvkb_ptvroev0.sql pvkb_ptvroev1.sql	PTVROEV	PTVROEV.fmb
pb_ptvroem	N/A	pb_ptvroem	pvkb_ptvroem0.sql pvkb_ptvroem1.sql	PTVROEM	PTVROEM.fmb
px_record_of_employment	RECORD_OF_EMPLOYMENT	px_record_of_employment	pxkb_rec_of_empl0.sql	PXRROEC	PXAROEC.fmb, pxrroec.pc

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Forms and Processes
			`pxkb_rec_of_empl1.sql`		
		`px_record_of_employment_rules`	`pxkb_rec_of_empl_r0.sql` `pxkb_rec_of_empl_r1.sql`		
		`px_record_of_employment_strings`	`pxkb_rec_of_empl_s0.sql` `pxkb_rec_of_empl_s1.sql`		
		`dml_pxrroec`	`pxkd_pxrroec0.sql` `pxkd_pxrroec1.sql`		
`px_mass_roe`	`MASS_ROE`	`px_mass_roe`	`pxkb_mass_roe0.sql` `pxkb_mass_roe1.sql`	PXRMROE	PXAMROE.fmb, pxpmore.pc
		`px_mass_roe_rules`	`pxkb_mass_roe_r0.sql` `pxkb_mass_roe_r1.sql`		
		`px_mass_roe_strings`	`pxkb_mass_roe_s0.sql` `pxkb_mass_roe_s1.sql`		
		`dml_pxrroec`	`pxkd_pxrmroe0.sql` `pxkd_pxrmroe1.sql`		

Combined deduction limits APIs

The following APIs are associated with Combined Limit Deductions.

For more details, refer to the *Banner Human Resources APIs*.

API Object Name	API Entity Name	Associated API Packages	Associated API Scripts	Associated Table	Affected Objects
pb_dedn_comb_lmt	DEDN_COMB_LMT	pb_dedn_comb_lmt	ptkb_dedn_comb_lmt0.sql ptkb_dedn_comb_lmt1.sql	PTRBDCL	PTRBDCA PDABDSU PDADEDN
		pb_dedn_comb_lmt_rules	ptkb_dedn_comb_lmt_r0.sql ptkb_dedn_comb_lmt_r1.sql		
		pb_dedn_comb_lmt_strings	ptkb_dedn_comb_lmt_s0.sql ptkb_dedn_comb_lmt_s1.sql		
		dml_ptrbdcl	ptkd_ptrbdcl0.sql ptkd_ptrbdcl1.sql		
pb_dedn_lmt_grp	DEDN_LMT_GRP	pb_dedn_lmt_grp	ptkb_dedn_lmt_grp0.sql ptkb_dedn_lmt_grp1.sql	PTRBDLG	PTRBDCA PDABDSU PDADEDN
		pb_dedn_lmt_grp_rules	ptkb_dedn_lmt_grp_r0.sql ptkb_dedn_lmt_grp_r1.sql		
		pb_dedn_lmt_grp_strings	ptkb_dedn_lmt_grp_s0.sql ptkb_dedn_lmt_grp_s1.sql		
		dml_ptrbdlg	ptkd_ptrbdlg0.sql ptkd_ptrbdlg1.sql		

Human Resources Effort Reporting APIs

The following table lists the Human Resources APIs associated with the Effort Reporting module.

For more details, refer to the *Banner Human Resources APIs*. Position Control APIs are also associated with the Effort Reporting module.

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
pb_effcert_earn	EFFCERT_EARN	pb_effcert_earn	ptkb_effcert_earn0.sql ptkb_effcert_earn1.sql	PTRECER	PTRECPD
		pb_effcert_earn_rules	ptkb_effcert_earn_r0.sql ptkb_effcert_earn_r1.sql		
		pb_effcert_earn_strings	ptkb_effcert_earn_s0.sql ptkb_effcert_earn_s1.sql		
		dml_ptrecer	ptkd_ptrecer0.sql ptkd_ptrecer1.sql		
pb_effcert_ecls	EFFCERT_ECLS	pb_effcert_ecls	ptkb_effcert_ecls0.sql ptkb_effcert_ecls1.sql	PTRECEC	PTRECPD
		pb_effcert_ecls_rules	ptkb_effcert_ecls_r0.sql ptkb_effcert_ecls_r1.sql		
		pb_effcert_ecls_strings	ptkb_effcert_ecls_s0.sql ptkb_effcert_ecls_s1.sql		
		dml_ptrecec	ptkd_ptrecec0.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
			ptkd_ptrecec1.sql		
pb_effcert_payroll	EFFCERT_PAYROLL	pb_effcert_payroll	ptkb_effcert_payr0.sql	PTRECPR	PTRECPD
			ptkb_effcert_payr1.sql		
		pb_effcert_payroll_rules	ptkb_effcert_payr_r0.sql		
			ptkb_effcert_payr_r1.sql		
		pb_effcert_payroll_strings	ptkb_effcert_payr_s0.sql		
			ptkb_effcert_payr_s1.sql		
		dml_ptrecpr	ptkd_ptrecpr0.sql		
			ptkd_ptrecpr1.sql		
pb_effcert_pcls	EFFCERT_PCLS	pb_effcert_pcls	ptkb_effcert_pcls0.sql	PTRECPC	PTRECPD
			Ptkb_effcert_pcls1.sql		
		pb_effcert_pcls_rules	ptkb_effcert_pcls_r0.sql		
			ptkb_effcert_pcls_r1.sql		
		pb_effcert_pcls_strings	ptkb_effcert_pcls_s0.sql		
			ptkb_effcert_pcls_s1.sql		
		dml_ptrecpc	ptkd_ptrecpc0.sql		
			ptkd_ptrecpc1.sql		
pb_effcert_period	EFFCERT_PERIOD	pb_effcert_period	ptkb_effcert_pd0.sql	PTRECPD	PTRECPD
			ptkb_effcert_pd1.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
		pb_effcert_period_rules	ptkb_effcert_pd_r0.sql ptkb_effcert_pd_r1.sql		
		pb_effcert_period_strings	ptkb_effcert_pd_s0.sql ptkb_effcert_pd_s1.sql		
		dml_ptecpd	ptkd_ptrecpd0.sql ptkd_ptrecpd1.sql		
pb_effcert_rpt_ctl	EFFCERT_RPT_CTL	pb_effcert_rpt_ctl	ptkb_effcert_rptc0.sql ptkb_effcert_rptc1.sql	PTRECRC	PTRECPD PTRECRT
		pb_effcert_rpt_ctl_rules	ptkb_effcert_rptc_r0.sql ptkb_effcert_rptc_r1.sql		
		pb_effcert_rpt_ctl_strings	ptkb_effcert_rptc_s0.sql ptkb_effcert_rptc_s1.sql		
		dml_ptrecrc	ptkd_ptrecrc0.sql ptkd_ptrecrc1.sql		
pb_ptvecpd	n/a	pb_ptvecpd	pvkb_ptvecpd0.sql pvkb_ptvecpd1.sql	PTVECPD	PTVECPD

Employee API

The Employee API is a database package that contains the business logic (validation rules and other related processing) surrounding the table associated with Employee data.

The Employee API can be called by programs within Banner (like Forms, C processes, Web packages, etc.) as well as by external systems when there is a need to insert/update/delete information into the Employee table (PEBEMPL). The API provides for consistent processing and utilizes the same business logic whether a program in Banner calls it or an external system calls it. The table that contains Employee information is PEBEMPL.

The primary form associated with the Employee table is the Employee Form (PEAEMPL). This form retains a number of immediate edits over the data, such as the validations of Employee Class, against the Benefit Category and Leave Category codes. When inconsistent data is detected, the error messages will continue to be displayed at the bottom of the window on the Auto-help line. However, when you save the data and one or more error conditions continue to exist, a new window will open, detailing all error messages. Otherwise, you will not notice any other functional differences from prior versions of Banner Human Resources.

Other Human Resources forms and processes affect data associated with the employee table, and these have been modified to process through the Employee API. These include:

- New Hire Form (PEAHIRE) - This form creates Employee table data and validates using the Employee API.
- One-time Payment Form (PEA1PAY) - This form processes quick payments for employees and also impacts the Employee table (PEBEMPL).
- Employee Status Change Form (PEAESCH) - This form updates the Employee table with Leave or Termination data.
- Termination Verification Form (PEATMVF) - This form is designed to review employee records where there has been a Termination Date and Termination Reason established on PEAEMPL, but the **Employee Status** has not been set to Terminated.
- Pay Period Update Process (PHPUPDT) - This process is the final payroll program that may affect employee records where the Employee Status is changed because Leave or Termination Dates have been future effective-dated consistent with the payroll.
- Electronic Approvals, EPAF package (NOKPLIB) - Since employee records can be created or updated through the use of EPAF, this package was modified to call the Employee API.

The `pb_employee` package provides the common business interface for the Employee API. The Employee API establishes information about an employee's terms of employment.

The following table provides a brief overview of the Employee API package. For more details, and for documentation related to all edits associated with the Employee API, refer to the *Banner Human Resources APIs*.

API Object Name	API Entity Name	API Packages	Scripts	Associated Table	Affected Objects
pb_employee	EMPLOYEE	pb_employee	pokb_employee0.sql pokb_employee1.sql	PEBEMPL	PEAEMPL PEAESCH PEATMVF PEA1PAY
		pb_employee_rules	pokb_employee_r0.sql pokb_employee_r1.sql		PEALEAV PEAHIRE
		pb_employee_strings	pokb_employee_s0.sql pokb_employee_s1.sql		PHPUPDT NOKPLIB

Important API notes

Employee History Table

The Employee History table (PEREHIS) includes all data items associated with the Employee table (PEBEMPL). Therefore, any insert or change to any existing field on the Employee Form (PEAEMPL) will result in an audit record being posted to the Employee History table. The Employee History Form (PEIEHIS) does not display these items. However, the audited elements are present on the table.

Payroll Processing

An Employee table update function in the Pay Period Update Process (PHPUPDT) uses the Employee API. This API is called when the process determines that the Employee Status should be updated to reflect that the employee is on Leave or Terminated. Through this evaluation, the Start and End Dates are evaluated against the job record in order to determine whether this update should occur.

For example, on December 1st, you indicate that the job is to go on Leave on December 31st and be activated on March 1st. Next, in order to indicate the Leave information on the Employee record you enter that the Leave Start Date is January 1st and the Expected Return Date is February 28th. During the month-end payroll, since all records are in synch, the Pay Period Update Process (PHPUPDT) changes the **Employee Status** to Leave.

There is a situation within Leave and Termination processing where the Pay Period Update Process (PHPUPDT) may error, the employee will not be updated and the process will stop. This will affect the finalization of the payroll. This situation involves records where you have further modified the job status and dates without reviewing the Employee record controls. Following the above example, if the job record has been reactivated on January 15th and is extracted and attempted to be paid, the Pay Period Update Process (PHPUPDT) will error out because the employee Leave dates are inconsistent with the job dates.

In order to ensure that the Pay Period Update Process (PHPUPDT) does not error and terminate, the Pay Period Proof Process (PHPPROF) uses an edit function. If the job dates and status are not consistent with the employee record criteria, either on the Leave or Termination windows, the employee will receive an error in the payroll and the disposition will be set to 05. The employee must be deleted in the payroll, their records must be corrected on the Employee Form (PEAEMPL), and they must be re-extracted through the Time Processing Report (PHPTIME) to be paid.

Security

It is important to note that Oracle and Banner HR security will continue to execute when data is processed through the API against the employee table, whether the processing source is within Banner or external to it.

Employee Relations Administration APIs

The following table lists the APIs associated with the Employee Relations Administration module.

For more details, refer to the *Banner Human Resources APIs*.

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Forms and Processes
pb_union_contract_ info	UNION_CONTRACT_ INFO	pb_union_contract_info	ptkb_union_cnt_inf0.sql ptkb_union_cnt_inf1.sql	PORCONT	POABARG
		pb_union_contract_info_ rules	ptkb_union_cnt_inf_r0.sql ptkb_union_cnt_inf_r1.sql		
		pb_union_contract_info_ strings	ptkb_union_cnt_inf_s0.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Forms and Processes
			`ptkb_union_cnt_inf_s1.sql`		
		`dml_porcont`	`pokd_porcont0.sql`		
			`pokd_porcont1.sql`		

Faculty Load and Compensation APIs

The following table lists the APIs associated with the Faculty Load and Compensation module.

For more details, refer to the *Banner Human Resources APIs*.

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
`pb_fac_cntract`	`FAC_CNTRACT`	`pb_fac_cntract`	`ptkb_fac_cntract0.sql`	PTRFLCT	PTRFLCT
			`ptkb_fac_cntract1.sql`		
		`pb_fac_cntract_rules`	`ptkb_fac_cntract_r0.sql`		
			`ptkb_fac_cntract_r1.sql`		
		`pb_fac_cntract_strings`	`ptkb_fac_cntract_s0.sql`		
			`ptkb_fac_cntract_s1.sql`		
		`dml_ptrflct`	`ptkd_ptrflct0.sql`		
			`ptkd_ptrflct1.sql`		
`pb_fac_comments`	`FAC_COMMENTS`	`pb_fac_comments`	`pekb_fac_comments0.sql`	PERFLCM	Faculty Load and Compensation
			`pekb_fac_comments1.sql`		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
		pb_fac_comments_rules	pekb_fac_comments_r0.sql pekb_fac_comments_r1.sql		module in Employee Self-Service
		pb_fac_comments_strings	pekb_fac_comments_s0.sql pekb_fac_comments_s1.sql		
		dml_perflcm	pekd_perflcm0.sql pekd_perflcm1.sql		
pb_fac_crsassign	FAC_CRSASSIGN	pb_fac_crsassign	pekb_fac_crsassign0.sql pekb_fac_crsassign1.sql	PERFASG	PEPFLAC Faculty Load and Compensation module in Employee Self-Service
		pb_fac_crsassign_rules	pekb_fac_crsassign_r0.sql pekb_fac_crsassign_r1.sql		
		pb_fac_crsassign_strings	pekb_fac_crsassign_s0.sql pekb_fac_crsassign_s1.sql		
		dml_perfasg	pekd_perfasg0.sql pekd_perfasg1.sql		
pb_fac_fcnt	FAC_FCNT	pb_fac_fcnt	pekb_fac_fcnt0.sql pekb_fac_fcnt1.sql	PERFCNT	PEPFLAC Faculty Load and Compensation module in
		pb_fac_fcnt_rules	pekb_fac_fcnt_r0.sql pekb_fac_fcnt_r1.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
		`pb_fac_fcnt_strings`	`pekb_fac_fcnt_s0.sql` `pekb_fac_fcnt_s1.sql`		Employee Self-Service
		`dml_perfcnt`	`pekd_perfcnt0.sql` `pekd_perfcnt1.sql`		
`pb_fac_crsecomp`	`FAC_CRSECOMP`	`pb_fac_crsecomp`	`pekb_fac_crsecomp0.sql` `pekb_fac_crsecomp1.sql`	PERFCSC	PEPFLAC Faculty Load and Compensation module in Employee Self-Service
		`pb_fac_crsecomp_rules`	`pekb_fac_crsecomp_r0.sql` `pekb_fac_crsecomp_r1.sql`		
		`pb_fac_crsecomp_strings`	`pekb_fac_crsecomp_s0.sql` `pekb_fac_crsecomp_s1.sql`		
		`dml_perfcsc`	`pekd_perfcsc0.sql` `pekd_perfcsc1.sql`		
`pb_fac_errors`	`FAC_ERRORS`	`pb_fac_errors`	`pekb_fac_errors0.sql` `pekb_fac_errors1.sql`	PERFLER	PEPFLAC PEPFCAP Faculty Load and Compensation module in Employee Self-Service
		`pb_fac_errors_rules`	`pekb_fac_errors_r0.sql` `pekb_fac_errors_r1.sql`		
		`pb_fac_errors_strings`	`pekb_fac_errors_s0.sql` `pekb_fac_errors_s1.sql`		
		`dml_perfler`	`pekd_perfler0.sql`		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
			`pekd_perfler1.sql`		
`pb_fac_incrcomp`	`FAC_INCRCOMP`	`pb_fac_incrcomp`	`pekb_fac_incrcomp0.sql` `pekb_fac_incrcomp1.sql`	PERFCIN	Faculty Load and Compensation module in Employee Self-Service
		`pb_fac_incrcomp_rules`	`pekb_fac_incrcomp_r0.sql` `pekb_fac_incrcomp_r1.sql`		
		`pb_fac_incrcomp_strings`	`pekb_fac_incrcomp_s0.sql` `pekb_fac_incrcomp_s1.sql`		
		`dml_perfcin`	`pekd_perfcin0.sql` `pekd_perfcin1.sql`		
`pb_fac_incrate`	`FAC_INCRATE`	`pb_fac_incrate`	`ptkb_fac_incrate0.sql` `ptkb_fac_incrate1.sql`	PTRFLIC	PTRFLIC PEPFLAC Faculty Load and Compensation module in Employee Self-Service
		`pb_fac_incrate_rules`	`ptkb_fac_incrate_r0.sql` `ptkb_fac_incrate_r1.sql`		
		`pb_fac_incrate_strings`	`ptkb_fac_incrate_s0.sql` `ptkb_fac_incrate_s1.sql`		
		`dml_ptrflic`	`ptkd_ptrflic0.sql` `ptkd_ptrflic1.sql`		
`pb_fac_isolcomp`	`FAC_ISOLCOMP`	`pb_fac_isolcomp`	`pekb_fac_isolcomp0.sql` `pekb_fac_isolcomp1.sql`	PERFISO	PEPFLAC Faculty Load and

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
		pb_fac_isolcomp_rules	pekb_fac_isolcomp_r0.sql		Compensation module in Employee Self-Service
			pekb_fac_isolcomp_r1.sql		
		pb_fac_isolcomp_strings	pekb_fac_isolcomp_s0.sql		
			pekb_fac_isolcomp_s1.sql		
		dml_perfiso	pekd_perfiso0.sql		
			pekd_perfiso1.sql		
pb_fac_jobdetail	FAC_JOBDETAIL	pb_fac_jobdetail	pekb_fac_jobdetai10.sql	PERFJOB	PEPFLAC
			pekb_fac_jobdetail1.sql		PEPFCAP
		pb_fac_jobdetail_rules	pekb_fac_jobdetail_r0.sql		Faculty Load and Compensation module in Employee Self-Service
			pekb_fac_jobdetail_r1.sql		
		pb_fac_jobdetail_strings	pekb_fac_jobdetail_s0.sql		
			pekb_fac_jobdetail_s1.sql		
		dml_perfjob	pekd_perfjob0.sql		
			pekd_perfjob1.sql		
pb_fac_jobdistr	FAC_JOBDISTR	pb_fac_jobdistr	pekb_fac_jobdistr0.sql	PERFJLD	PEPFLAC
			pekb_fac_jobdistr1.sql		PEPFCAP
		pb_fac_jobdistr_rules	pekb_fac_jobdistr_r0.sql		Faculty Load and Compensation module in
			pekb_fac_jobdistr_r1.sql		
		pb_fac_jobdistr_strings	pekb_fac_jobdistr_s0.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
			pekb_fac_jobdistr_s1.sql		Employee Self-Service
		dml_perfjld	pekd_perfjld0.sql		
			pekd_perfjld1.sql		
pb_fac_jobearns	FAC_JOBEARNS	pb_fac_jobearns	pekb_fac_jobearns0.sql	PERFJER	PEPFLAC
			pekb_fac_jobearns1.sql		PEPFCAP
		pb_fac_jobearns_rules	pekb_fac_jobearns_r0.sql		Faculty Load and Compensation module in Employee Self-Service
			pekb_fac_jobearns_r1.sql		
		pb_fac_jobearns_strings	pekb_fac_jobearns_s0.sql		
			pekb_fac_jobearns_s1.sql		
		dml_perfjer	pekd_perfjer0.sql		
			pekd_perfjer1.sql		
pb_fac_niolcomp	FAC_NIOLCOMP	pb_fac_niolcomp	pekb_fac_niolcomp0.sql	PERFNIO	PEPFLAC
			pekb_fac_niolcomp1.sql		Faculty Load and Compensation module in Employee Self-Service
		pb_fac_niolcom_rules	pekb_fac_niolcomp_r0.sql		
			pekb_fac_niolcomp_r1.sql		
		pb_fac_niolcomp_strings	pekb_fac_niolcomp_s0.sql		
			pekb_fac_niolcomp_s1.sql		
		dml_perfnio	pekd_perfnio0.sql		
			pekd_perfnio1.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
pb_fac_nistcomp	FAC_NISTCOMP	pb_fac_nistcomp	pekb_fac_nistcomp0.sql pekb_fac_nistcomp1.sql	PERFNIS	PEPFLAC Faculty Load and Compensation module in Employee Self-Service
		pb_fac_nistcom_rules	pekb_fac_nistcomp_r0.sql pekb_fac_nistcomp_r1.sql		
		pb_fac_nistcomp_strings	pekb_fac_nistcomp_s0.sql pekb_fac_nistcomp_s1.sql		
		dml_perfnis	pekd_perfnis0.sql pekd_perfnis1.sql		
pb_fac_niltrate	FAC_NILTRATE	pb_fac_nilrate	ptkb_fac_nilrate0.sql ptkb_fac_nilrate1.sql	PTRNILV	PTRNIST PEPFLAC Faculty Load and Compensation module in Employee Self-Service
		pb_fac_nilrate_rules	ptkb_fac_nilrate_r0.sql ptkb_fac_nilrate_r1.sql		
		pb_fac_nilrate_strings	ptkb_fac_nilrate_s0.sql ptkb_fac_nilrate_s1.sql		
		dml_ptrnilv	ptkd_ptrnilv0.sql ptkd_ptrnilv1.sql		
pb_fac_nisrate	FAC_NISRATE	pb_fac_nisrate	ptkb_fac_nisrate0.sql ptkb_fac_nisrate1.sql	PTRNIST	PTRNIST PEPFLAC Faculty Load and
		pb_fac_nisrate_rules	ptkb_fac_nisrate_r0.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
			ptkb_fac_nisrate_r1.sql		Compensation module in Employee Self-Service
		pb_fac_nisrate_strings	ptkb_fac_nisrate_s0.sql		
			ptkb_fac_nisrate_s1.sql		
		dml_ptrnist	ptkd_ptrnist0.sql		
			ptkd_ptrnist1.sql		
pb_fac_schrate	FAC_SCHRATE	pb_fac_schrate	ptkb_fac_schrate0.sql	PTRSCHD	PTRFLAC
			ptkb_fac_schrate1.sql		PEPFLAC
		pb_fac_schrate_rules	ptkb_fac_schrate_r0.sql		Faculty Load and Compensation module in Employee Self-Service
			ptkb_fac_schrate_r1.sql		
		pb_fac_schrate_strings	ptkb_fac_schrate_s0.sql		
			ptkb_fac_schrate_s1.sql		
		dml_ptrschd	ptkd_ptrschd0.sql		
			ptkd_ptrschd1.sql		
pb_fac_sclrate	FAC_SCLRATE	pb_fac_sclrate	ptkb_fac_sclrate0.sql	PTRSCLV	PTRFLAC
			ptkb_fac_sclrate1.sql		PEPFLAC
		pb_fac_sclrate_rules	ptkb_fac_sclrate_r0.sql		Faculty Load and Compensation module in Employee Self-Service
			ptkb_fac_sclrate_r1.sql		
		pb_fac_sclrate_strings	ptkb_fac_sclrate_s0.sql		
			ptkb_fac_sclrate_s1.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
		dml_ptrsclv	ptkd_ptrsclv0.sql ptkd_ptrsclv1.sql		
pb_ptvflcl	n/a	pb_ptvflcl	pvkb_ptvflcl0.sql pvkb_ptvflcl1.sql	PTVFLCL	PTVFLCL PTRFLAC PTRNIST PEAFACT
pb_ptvflic	n/a	pb_ptvflic	pvkb_ptvflic0.sql pvkb_ptvflic1.sql	PTVFLIC	PTVFLIC PTRFLIC

Faculty Load and Compensation BPI

The following BPI is associated with the Faculty Load and Compensation module.

For more details, refer to the *Banner Human Resources APIs*.

BPI Object Name	BPI Entity Name	Associated BPI Package	Associated BPI Scripts	Associated API	Affected Objects
pp_fac_jobdistr	FAC_JOBDISTR	pp_fac_jobdistr	pbkp_fac_job_labor0.sql pbkp_fac_job_labor1.sql	pb_fac_job distr	PERFJLD

Human Reources Labor Redistribution APIs

The following table lists the Human Resource APIs associated with labor redistributions.

For more details, refer to the *Banner Human Resources APIs*. Position Control APIs are also associated with labor redistributions.

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
pb_payhist_comment	PAYHIST_COMMENT	pb_payhist_comment	phkb_payhist_cmt0.sql phkb_payhist_cmt1.sql	PHRCMNT	PHAADJT PHAREDS
		pb_payhist_comment_rules	phkb_payhist_cmt_r0.sql phkb_payhist_cmt_r1.sql		
		pb_payhist_comment_strings	phkb_payhist_cmt_s0.sql phkb_payhist_cmt_s1.sql		
		dml_phrcmnt	phkd_phrcmnt0.sql phkd_phrcmnt1.sql		
pb_redistr_queue	REDISTR_QUEUE	pb_redistr_queue	phkb_redistr_queue0.sql phkb_redistr_queue1.sql	PHRLRRQ	PHAADJT PHAREDS
		pb_redistr_queue_rules	phkb_redistr_queue_r0.sql phkb_redistr_queue_r1.sql		
		pb_redistr_queue_strings	phkb_redistr_queue_s0.sql phkb_redistr_queue_s1.sql		
		dml_phrlrrq	phkd_phrlrrq0.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
			phkd_phrlrrq1.sql		

Student-Employee FICA APIs

The following table provides a brief overview of the student FICA APIs.

For more details, refer to the *Banner Human Resources APIs*. These APIs replace the code in the corresponding Banner Human Resources forms.

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
pb_assoc_term	ASSOC_TERM	pb_assoc_term	phkb_assoc_term0.sql phkb_assoc_term1.sql	PTRATRM	PTRATRM
		pb_assoc_term_rules	phkb_assoc_term_r0.sql phkb_assoc_term_r1.sql		
		pb_assoc_term_strings	phkb_assoc_term_s0.sql phkb_assoc_term_s1.sql		
		dml_ptratrm	phkd_ptratrm0.sql phkd_ptratrm1.sql		
pb_stu_deduction	STU_DEDUCTION	pb_stu_deduction	phkb_stu_deduction0.sql phkb_stu_deduction1.sql	PTRSTDE	PTRSTDE
		pb_stu_deduction_rules	phkb_stu_deduction_r0.sql		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
			`phkb_stu_deduction_r1.sql`		
		`pb_stu_deduction_strings`	`phkb_stu_deduction_s0.sql` `phkb_stu_deduction_s1.sql`		
		`dml_ptrstde`	`phkd_ptrstde0.sql` `phkd_ptrstde1.sql`		
`pb_stu_emp_cred`	`STU_EMP_CRED`	`pb_stu_emp_cred`	`phkb_stu_emp_cred0.sql` `phkb_stu_emp_cred1.sql`	PTRSCRD	PTRSCRD
		`pb_stu_emp_cred_rules`	`phkb_stu_emp_cred_r0.sql` `phkb_stu_emp_cred_r1.sql`		
		`pb_stu_emp_cred_strings`	`phkb_stu_emp_cred_s0.sql` `phkb_stu_emp_cred_s1.sql`		
		`dml` `_` `ptrscrd`	`phkd_ptrscrd0.sql phkd_ ptrscrd1.sql`		
`pb_ptvatrm`	`n/a`	`pb_ptvatrm`	`pvkb_ptvatrm0.sql` `pvkb_ptvatrm1.sql`	PTVATRM	PTVATRM `PB_ASSO_TERM`

W-2 APIs

The following table provides a brief overview of the W-2 APIs.

For more details, refer to the *Banner Human Resources APIs*. These APIs replace the code in the corresponding Banner Human Resources forms.

API Object Name	API Entity Name	Associated API Packages	Associated scripts	Associated Table	Affected Objects
`pb_w2_coded_ info`	`W2_CODED_INFO`	`pb_w2_coded_info`	`pxkb_w2_coded_info0.sql` `pxkb_w2_coded_info1.sql`	PXRW2CD	PXAW2CC PXPW2xx PXRW2xx (where xx is the year '06 or greater) PXPWCxx (where xx is the year '11 or greater)
		`pb_w2_coded_info_ rules`	`pxkb_w2_coded_info_r0.sql` `pxkb_w2_coded_info_r1.sql`		
		`pb_w2_coded_info_ strings`	`pxkb_w2_coded_info_s0.sql` `pxkb_w2_coded_info_s1.sql`		
`pb_w2_ federal`	`W2_FEDERAL`	`pb_w2_federal`	`pxkb_w2_federal0.sql` `pxkb_w2_federal1.sql`	PXRW2FD	PXAW2CC PXPW2xx PXRW2xx (where xx is the year '06 or greater) PXPWCxx (where xx is the year '11 or greater)
		`pb_w2_fede_al_rules`	`pxkb_w2_federal_r0.sql` `pxkb_w2_federal_r1.sql`		

API Object Name	API Entity Name	Associated API Packages	Associated scripts	Associated Table	Affected Objects
		pb_w2_federal_strings	pxkb_w2_federal_s0.sql pxkb_w2_federal_s1.sql		
pb_w2_local	W2_LOCAL	pb_w2_local	pxkb_w2_local0.sql pxkb_w2_local1.sql	PXRW2LC	PXAW2CC PXPW2xx PXRW2xx (where xx is the year '06 or greater) PXPWCxx (where xx is the year '11 or greater)
		pb_w2_local_rules	pxkb_w2_local_r0.sql pxkb_w2_local_r1.sql		
		pb_w2_local_strings	pxkb_w2_local_s0.sql pxkb_w2_local_s1.sql		
pb_w2_state	W2_STATE	pb_w2_state	pxkb_w2_state0.sql pxkb_w2_state1.sql	PXRW2ST	PXPW2xx PXRW2xx (where xx is the year '06 or greater) PXPWCxx (where xx is the year '11 or greater)
		pb_w2_state_rules	pxkb_w2_state_r0.sql		

API Object Name	API Entity Name	Associated API Packages	Associated scripts	Associated Table	Affected Objects
			`pxkb_w2_state_r1.sql`		
		`pb_w2_state_strings`	`pxkb_w2_state_s0.sql`		
			`pxkb_w2_state_s1.sql`		

W-2 BPIs

The following BPIs are associated with W-2s.

BPI Object Name	BPI Entity Name	Associated BPI Package	Associated BPI Scripts	Associated API Packages	Associated Table	Affected Objects

`pp_w2_20xx`
 	
(where xx is the year)
	`W2_20xx`	`pp_w2_20xx`	`pxkp_w2_20xx0.sql`
			
			`pxkp_w2_20xx1.sql`
				`pb_w2_state`
				
				`pb_w2_state_rules`
				
				`pb_w2_state_strings`
					PXRW2ST	PXAW2CC
						
						Employee Self-Service W-2 Statement
						
						PXPW2xx
						
						PXRW2xx
						
						(where xx is the year '06 or greater)
						
						PXPWCxx
						
						(where xx is the year '11 or greater)

				`pb_w2_local`
				
				`pb_w2_local_rules`
				
				`pb_w2_local_strings`
					PXRW2LC	

BPI Object Name	BPI Entity Name	Associated BPI Package	Associated BPI Scripts	Associated API Packages	Associated Table	Affected Objects
pp_w2_20xx (where xx is the year)				pb_w2_federal pb_w2_federal_rules pb_w2_federal_strings	PXRW2FD	
pp_w2_common	W2_COMMON	pp_w2_common	pxkp_w2_common0.sql pxkp_w2_common1.sql	pb_w2_federal pb_w2_federal_rules pb_w2_federal_strings	PXRW2FD	PXAW2CC Employee Self-Service W-2 Statement PXPW2xx PXRW2xx (where xx is the year '06 or greater) PXPWCxx (where xx is the year '11 or greater) PXRW2US

Web-Based Pay Stub APIs

This table lists the Banner Human Resources APIs associated with Web-Based Pay Stub processing.

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Forms and Processes
pb_emp_paystub	EMP_PAYSTUB	pb_emp_paystub	ptkb_emp_paystub0.sql ptkb_emp_paystub1.sql	PTRWSTB	PTRWSTB

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Forms and Processes
		pb_emp_paystub_rules	ptkb_emp_paystub_r0.sql ptkb_emp_paystub_r1.sql		
		pb_emp_paystub_strings	ptkb_emp_paystub_s0.sql ptkb_emp_paystub_s1.sql		
		dml_ptrwstb	ptkd_ptrwstb0.sql ptkd_ ptrwstb1.sql		

Position Control APIs and BPIs

This section lists all APIs and BPIs associated with Banner Position Control.

Position Control Effort Reporting APIs

The following table lists the Position Control APIs associated with the Effort Reporting module.

For more details, refer to the *Banner Position Control APIs*. Banner Human Resources APIs are also associated with the Effort Reporting module.

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
nb_effcert_addl_ queue	EFFCERT_ADDL_ QUEUE	nb_effcert_addl_queue	ntkb_effcert_aque0.sql ntkb_effcert_aque1.sql	NTRECAQ	NTRELAQ
		nb_effcert_addl_queue_ rules	ntkb_effcert_aque_r0.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
			ntkb_effcert_aque_r1.sql		
		nb_effcert_addl_queue_strings	ntkb_effcert_aque_s0.sql ntkb_effcert_aque_s1.sql		
		dml_ntrecaq	ntkd_ntrecaq0.sql ntkd_ntrecaq1.sql		
nb_effcert_category	EFFCERT_CATEGORY	nb_effcert_category	ntkb_effcert_cat0.sql ntkb_effcert_cat1.sql	NTRECCG	NTRECCG
		nb_effcert_category_rules	ntkb_effcert_cat_r0.sql ntkb_effcert_cat_r1.sql		
		nb_effcert_category_strings	ntkb_effcert_cat_s0.sql ntkb_effcert_cat_s1.sql		
		dml_ntreccg	ntkd_ntreccg0.sql ntkd_ntreccg1.sql		
nb_effcert_dflt_queue	EFFCERT_DFLT_QUEUE	nb_effcert_dflt_queue	ntkb_effcert_dque0.sql ntkb_effcert_dque1.sql	NTRECDQ	NTRELRQ
		nb_effcert_dflt_queue_rules	ntkb_effcert_dque_r0.sql ntkb_effcert_dque_r1.sql		
		nb_effcert_dflt_queue_strings	ntkb_effcert_dque_s0.sql ntkb_effcert_dque_s1.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
		dml_ntrecdq	ntkd_ntrecdq0.sql		
			ntkd_ntrecdq1.sql		
nb_effcert_ftyp	EFFCERT_FTYP	nb_effcert_ftyp	ntkb_effcert_ftyp0.sql	NTRECFT	NTRELAQ
			ntkb_effcert_ftyp1.sql		
		nb_effcert_ftyp_rules	ntkb_effcert_ftyp_r0.sql		
			ntkb_effcert_ftyp_r1.sql		
		nb_effcert_ftyp_strings	ntkb_effcert_ftyp_s0.sql		
			ntkb_effcert_ftyp_s1.sql		
		dml_ntrecft	ntkd_ntrecft0.sql		
			ntkd_ntrecft1.sql		
nb_proxy	PROXY	nb_proxy	ntkb_proxy0.sql	NTRPRXY	NTRPROX, NTRAPRX
			ntkb_proxy1.sql		
		nb_proxy_rules	ntkb_proxy_r0.sql		
			ntkb_proxy_r1.sql		
		nb_proxy_strings	ntkb_proxy_s0.sql		
			ntkb_proxy_s1.sql		
		dml_ntrprxy	ntkd_ntrprxy0.sql		
			ntkd_ntrprxy1.sql		
nb_proxy_module	PROXY_MODULE	nb_proxy_module	ntkb_proxy_module0.sql	NTRPRXM	NTRPROX

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
			`ntkb_proxy_module1.sql`		
		`nb_proxy_module_rules`	`ntkb_proxy_module_r0.sql`		
			`ntkb_proxy_module_r1.sql`		
		`nb_proxy_module_strings`	`ntkb_proxy_module_s0.sql`		
			`ntkb_proxy_module_s1.sql`		
		`dml_ntrprxm`	`ntkd_ntrprxm0.sql`		
			`ntkd_ntrprxm1.sql`		
`nb_queue_group`	`QUEUE_GROUP`	`nb_queue_group`	`ntkb_queue_group0.sql`	NTRQGRP	NTRQPRT
			`ntkb_queue_group1.sql`		
		`nb_queue_group_rules`	`ntkb_queue_group_r0.sql`		
			`ntkb_queue_group_r1.sql`		
		`nb_queue_group_strings`	`ntkb_queue_group_s0.sql`		
			`ntkb_queue_group_s1.sql`		
		`dml_ntrqgrp`	`ntkd_ntrqgrp0.sql`		
			`ntkd_ntrqgrp1.sql`		
`nb_queue_participant`	`QUEUE_PARTICIPANT`	`nb_queue_participant`	`ntkb_queue_partic0.sql`	NTRQPRT	NTRQPRT
			`ntkb_queue_partic1.sql`		
		`nb_queue_participant_rules`	`ntkb_queue_partic_r0.sql`		
			`ntkb_queue_partic_r1.sql`		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
		nb_queue_participant_strings	ntkb_queue_partic_s0.sql		
			ntkb_queue_partic_s1.sql		
		dml_ntrqprt	ntkd_ntrqprt0.sql		
			ntkd_ntrqprt1.sql		
nb_ntveccg	n/a		nvkb_ntveccg0.sql	NTVECCG	NTVECCG
			nvkb_ntveccg1.sql		NTRECCG
nb_ntvecgr	n/a		nvkb_ntvecgr0.sql	NTVECGR	NTVECCG
			nvkb_ntvecgr1.sql		
nb_ntvprxm	n/a		nvkb_ntvprxm0.sql	NTVPRXM	NTVPRXM
			nvkb_ntvprxm1.sql		NTRPROX
nb_ntvqprt	n/a		nvkb_ntvqprt0.sql	NTVQPRT	NTVQPRT
			nvkb_ntvqprt1.sql		NTRQPRT
					NTRELRQ

Electronic approvals APIs

The following table provides a brief overview of the APIs for Electronic Approvals.

For more details, refer to the *Banner Position Control APIs*.

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
nb_ea_comments	EA_COMMENTS	nb_ea_comments	nokb_ea_comments0.sql nokb_ea_comments1.sql	NORCMNT	NOAAPSM NOAEPAF
		nb_ea_comments_rules	nokb_ea_comments_r0.sql nokb_ea_comments_r1.sql		
		nb_ea_comments_strings	nokb_ea_comments_s0.sql nokb_ea_comments_s1.sql		
		dml_norcmnt	nokd_norcmnt0.sql nokd_norcmnt1.sql		
nb_ea_group_category	EA_GROUP_CATEGORY	nb_ea_group_category	ntkb_ea_group_cat0.sql ntkb_ea_group_cat1.sql	NTRAGRP	NTRAGRP
		nb_ea_group_category_rules	ntkb_ea_group_cat_r0.sql ntkb_ea_group_cat_r1.sql		
		nb_ea_group_category_strings	ntkb_ea_group_cat_s0.sql ntkb_ea_group_cat_s1.sql		
		dml_ntragrp	ntkd_ntragrp0.sql ntkd_ntragrp1.sql		
nb_ea_group_user	EA_GROUP_USER	nb_ea_group_user	ntkb_ea_group_user0.sql ntkb_ea_group_user1.sql	NTRAGID	NTRAGRP NOAOGRP
		nb_ea_group_user_rules	ntkb_ea_group_user_r0.sql		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
			`ntkb_ea_group_user_r1.sql`		
		`nb_ea_group_user_strings`	`ntkb_ea_group_user_s0.sql`		
			`ntkb_ea_group_user_s1.sql`		
		`dml_ntragid`	`ntkd_ntragid0.sql`		
			`ntkd_ntragid1.sql`		
`nb_ntvacat`	n/a	`nb_ntvacat`	`nvkb_ntvacat0.sql`	NTVACAT	NTVACAT
			`nvkb_ntvacat1.sql`		
`nb_ntvagrp`	n/a	`nb_ntvagrp`	`nvkb_ntvagrp0.sql`	NTVAGRP	NTVAGRP
			`nvkb_ntvagrp1.sql`		

Jobs information APIs

Four APIs have been created for the following tables associated with the Employee Jobs Form (NBAJOBS), namely:

- The Base Job API contains the business logic for processing base job data (NBRBJOB) on the Employee Jobs Form (NBAJOBS).
- The Job Detail API contains the business logic for processing job detail data (NBRJOBS) on the Employee Jobs Form (NBAJOBS).
- The Job Earnings API contains the business logic for processing job default earnings data (NBREARN) on the Employee Jobs Form (NBAJOBS).
- The Job Labor Distribution API contains the business logic for processing job labor distribution data (NBRJLBD) on the Employee Jobs Form (NBAJOBS).

Three BPIs are used to maintain the employee jobs information. Each BPI, in turn, invokes one or more of the associated APIs.

NOTE: It is important to note that the APIs alone cannot be used to maintain the jobs data. Applications must invoke the BPIs to ensure data integrity. The BPIs are listed below.

- Job Labor BPI
- Job Assignment BPI
- Job Earnings BPI

The following table provides a brief overview of the Jobs APIs associated with the Employee Jobs Form (NBAJOBS). For more details, refer to the *Banner Position Control APIs*.

API Object Name	API Entity Name	Associated API Packages	Associated scripts	Associated Table	Affected Objects
nb_job_base	JOB_BASE	nb_job_base	nbkb_job_base0.sql nbkb_ job_base1.sql	NBRBJOB	NBAJOBS
		nb_job_base_rules	nbkb_job_base_r0.sql nbkb_ job_base_r1.sql		PEA1PAY PEAHIRE PEAESCH
		nb_job_base_strings	nbkb_job_base_s0.sql nbkb_ job_base_s1.sql		
		dml_nbrbjob	nbkd_nbrbjob0.sql nbkd_ nbrbjob1.sql		
nb_job_detail	JOB_DETAIL	nb_job_detail	nbkb_job_detail0.sql nbkb_ job_detail1.sql	NBRJOBS	NBAJOBS
		nb_job_detail_rules	nbkb_job_detail_r0.sql nbkb_job_detail_r1.sql		PEA1PAY PEAHIRE PEAESCH NBPMASS
		nb_job_detail_strings	nbkb_job_detail_s0.sql nbkb_job_detail_s1.sql		
		dml_nbrjobs	nbkd_nbrjobs0.sql nbkd_ nbrjobs1.sql		

API Object Name	API Entity Name	Associated API Packages	Associated scripts	Associated Table	Affected Objects
nb_job_earnings	JOB_EARNINGS	nb_job_earnings	nbkb_job_earnings0.sql nbkb_job_earnings1.sql	NBREARN	NBAJOBS PEA1PAY PEAHIRE PEAESCH
		nb_job_earnings_rules	nbkb_job_earnings_r0.sql nbkb_job_earnings_r1.sql		
		nb_job_earnings_strings	nbkb_job_earnings_s0.sql nbkb_job_earnings_s1.sql		
		dml_nbrearn	nbkd_nbrearn0.sql nbkd_nbrearn1.sql		
nb_job_enc_history	JOB_ENC_HISTORY	nb_job_enc_history	nbkb_job_enc_hist0.sql nbkb_job_enc_hist1.sql	NBRJLEH	NBIJLHS
		nb_job_enc_history_rules	nbkb_job_enc_hist_r0.sql nbkb_job_enc_hist_r1.sql		
		nb_job_enc_history_strings	nbkb_job_enc_hist_s0.sql nbkb_job_enc_hist_s1.sql		
		dml_nbrjleh	nbkd_nbrjleh0.sql nbkd_nbrjleh1.sql		
nb_job_labor	JOB_LABOR	nb_job_labor	nbkb_job_labor0.sql nbkb_job_labor1.sql	NBRJLBD	NBAJOBS PEA1PAY PEAHIRE PEAESCH
		nb_job_labor_rules This API is currently intended to only support internal operations. To ensure data integrity, this API is not supported when	nbkb_job_labor_r0.sql nbkb_job_labor_r1.sql		

API Object Name	API Entity Name	Associated API Packages	Associated scripts	Associated Table	Affected Objects
		called by external applications or interfaces to manipulate data. The recommendation for external applications is to use message level integration to integrate with this entity in Banner.			
		nb_job_labor_strings	nbkb_job_labor_s0.sql nbkb_job_labor_s1.sql		
		dml_nbrjlbd	nbkd_nbrjlbd0.sql nbkd_nbrjlbd1.sql		

Jobs information BPIs

Three BPIs have been created to maintain the employee jobs information. Each BPI, in turn, invokes one or more of the Jobs APIs. It is important to note that the APIs alone cannot be used to maintain the jobs data. Applications must invoke the BPIs to ensure data integrity. The following table provides a brief overview of the Jobs APIs associated with the Employee Jobs Form (NBAJOBS). For more details, refer to the *Banner Position Control APIs*.

BPI Object Name	BPI Entity Name	Associated BPI Package	Associated API Packages	Associated BPI scripts	Associated Table	Affected Objects
job_labor	JOB_LABOR	np_job_labor	nb_job_labor nb_job_labor_rules nb_job_labor_strings	nbkp_job_labor0.sql nbkp_job_labor1.sql	NBRJLBD	NBAJOBS PEA1PAY PEAHIRE PEAESCH

BPI Object Name	BPI Entity Name	Associated BPI Package	Associated API Packages	Associated BPI scripts	Associated Table	Affected Objects

`job_assignment`	`JOB_ASSIGNMENT`	`np_job_assignment`	`nb_job_detail`
			`nb_job_detail_rules`
			`nb_job_detail_strings`
			`nb_job_base`
			`nb_job_base_rules`
			`nb_job_base_strings`
				`nbkp_job_assignment0.sql`
				`nbkp_job_assignment1.sql`
					NBRJOBS
					NBRBJOB
						NBAJOBS
						PEA1PAY
						PEAHIRE
						PEAESCH
						NBPMASS

`job_earnings`	`JOB_EARNINGS`	`np_job_earnings`	`nb_job_earnings`
			`nb_job_earnings_rules`
			`nb_job_earnings_strings`
				`nbkp_job_earnings0.sql`
				`nbkp_job_earnings1.sql`
					NBREARN	NBAJOBS
						PEA1PAY
						PEAHIRE
						PEAESCH

Position Control labor redistribution APIs

The following table lists the Position Control APIs associated with Labor Redistributions.

For more details, refer to the *Banner Position Control APIs*.

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
`nb_redistr_addl_queue`	`REDISTR_ADDL_QUEUE`	`nb_redistr_addl_queue`	`ntkb_redistr_aque0.sql` `ntkb_redistr_aque1.sql`	NTRLRAQ	NTRELAQ
		`nb_redistr_addl_queue_rules`	`ntkb_redistr_aque_r0.sql` `ntkb_redistr_aque_r1.sql`		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
		nb_redistr_addl_queue_ strings	ntkb_redistr_aque_s0.sql ntkb_redistr_aque_s1.sql		
		dml_ntrlraq	ntkd_ntrlraq0.sql ntkd_ntrlraq1.sql		
nb_redistr_dflt_ queue	REDISTR_DFLT_ QUEUE	nb_redistr_dflt_queue	ntkb_redistr_dque0.sql ntkb_redistr_dque1.sql	NTRLRDQ	NTRELRQ
		nb_redistr_dflt_queue_ rules	ntkb_redistr_dque_r0.sql ntkb_redistr_dque_r1.sql		
		nb_redistr_dflt_queue_ strings	ntkb_redistr_dque_s0.sql ntkb_redistr_dque_s1.sql		
		dml_ntrlrdq	ntkd_ntrlrdq0.sql ntkd_ntrlrdq1.sql		
nb_redistr_ftyp	REDISTR_FTYP	nb_redistr_ftyp	ntkb_redistr_ftyp0.sql ntkb_redistr_ftyp1.sql	NTRLRFT	NTRELAQ
		nb_redistr_ftyp_rules	ntkb_redistr_ftyp_r0.sql ntkb_redistr_ftyp_r1.sql		
		nb_redistr_ftyp_strings	ntkb_redistr_ftyp_s0.sql ntkb_redistr_ftyp_s1.sql		
		dml_ntrlrft	ntkd_ntrlrft0.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
			ntkd_ntrlrft1.sql		

Interfaces

Interfaces with external user systems

If Banner Finance System is not installed (that is, if the `GUBINST_FINANCE_INSTALLED` field on GUAINST is set to unchecked), then the Human Resources/Finance Interface provides an automated flow of payroll expenditure, encumbrance, budget, and COBRA payment information from Banner Human Resources to GURFEED, where it is stored for use by an external finance system.

NOTE: In order to use this interface, you must write a program that will read the GURFEED records and insert them into your external finance system.

If Banner Finance is not installed, the system allows you to define an external account labor distribution code containing up to 60 characters.

Interfaces within Banner

Shared rables

Banner Human Resources tables beginning with `S` are shared with the other Banner systems. Examples include the following:

Name	Description
SPRIDEN	ID info
SPBPERS	Sex, ethnic data, date of birth
SPRMEDI	Medical data
SPREMRG	Emergency contact
SPRADDR	Address

Validation tables beginning with `S` are shared with the other Banner systems. Examples include the following.

Name	Description
STVNATN	Nation code
STVCNTY	County code

Name	Description
STVETHN	Ethnic code (See Note below.)
STVATYP	Address type
STVMRTL	Marital status code
STVRELG	Religion code

NOTE: Ethnic codes must also be entered via PTRETHN in order to establish the corresponding EEO Ethnic Code.)

Finance system

If Banner Finance System is installed (that is, if the `GUBINST_FINANCE_INSTALLED` field on GUAINST is `checked`), then the Human Resources/Finance Interface processes (NHPFIN1, NHPFIN2, and PHPFEXP) provide an automated flow of payroll expenditure, encumbrance, budget, and COBRA payment information from Banner Human Resources to Banner Finance. A generic feed table, GURFEED, stores the data to be interfaced.

If Banner Finance is installed, detailed labor distribution data must be entered. This data is validated against Finance System Validation Forms as follows:

Field Name	Finance Form Name
Chart of Accounts (COAS)	FTVCOAS
Fund	FTVFUND
Organization	FTVORGN
Account	FTVACCT
Program	FTVPROG
Activity	FTVACTV
Location	FTVLOCN

If Banner Finance is installed, the **Budget Id** and **Budget Phase** fields on the Position Form (NBAPOSN) are validated against Finance System Validation Forms as follows:

Field Name	Finance Form Name
Budget ID, Budget Phase	FTVOBUD

Information is interfaced between Banner Human Resources and the Banner Finance System General Ledger module by running FURFEED, a Finance System process. The Position Control/ Finance interface is accomplished via FBRFEED which applies salary information to Finance

Budget Development. Both the FURFEED and FBRFEED processes read data from the GURFEED table and use it to update Finance records.

For procedural information on the interface to Finance, refer to Chapter 12, "Interfaces", in the *Banner Human Resources User Guide*.

Advancement/Development system

If the Banner Advancement/Development System is installed (if the GUBINST_ALUMNI_INSTALLED field on GUAINST is checked), deductions from the Human Resources payroll module can become gifts/installment payments in Banner Advancement/Development. The interface runs two ways: Banner A/D first feeds pledges to Banner HR and then Banner HR feeds the deductions back in order to create the gift/installment payment records. Data is entered on the Constituent Pledge Payroll Deduction Form (PEAFDED) and interfaced using the GURFDED and GURALMP tables.

For procedural information on the interface to Advancement/Development, refer to Chapter 12, "Interfaces", in the *Banner Human Resources User Guide*.

Student system

For more information regarding the procedural information, and the interface to the Banner Student system please refer to Chapter 12, "Interfaces", in the *Banner Human Resources User Guide*.

System-required data

Banner is a complex system with many parts that work together to manage your institution's data and to interact with users. When any one of the components of the system is missing, some of the system's functions may fail or may not work as intended.

In some cases, data itself can be considered an essential component of the system. The complete contents of certain tables, and specific rows in other tables, must be present for the system to work correctly. This special data is called system-required data. System-required data is a subset of the seed data delivered with a new Banner installation. Banner software releases often include seed data scripts that deliver additional system-required data.

Generally, Banner forms and processes will prevent you from deleting system-required data. But when you are using database tools or scripts to delete rows from the database—for example, during database cleanup to remove sample data before migrating into production—there is nothing to prevent system-required data from being accidentally deleted. In those situations, you should take care not to delete any system-required data.

This chapter lists system-required data for Banner Human Resources. For more information on system-required data, please see the *Banner General Technical Reference Manual*.

Tables that require maintenance access

In Banner, there are a series of query only forms that permit the user to perform a query and display selected data. The user needs to have maintenance access to the collector tables that hold the query results, even though the access to the form does not include insert access.

To allow the user all functional use of the form, the proper access may be assigned on the Oracle/Banner Security Maintenance form, GSASECR. For more information on how to grant the proper access, please see the *Banner General Technical Reference Manual*.

Query Form	Table needing maintenance access
nbipinc.fmb	NPRCOLR
nhidist.fmb	FGRFPHC
nhiedst.fmb	NPRCOLR
peiatot.fmb	PPRCOLR
peidtot.fmb	PPRCOLR
peijtot.fmb	PPRCOLR
peirtwk.fmb	PPRCOLR
phitsky.fmb	PPRCOLR
phittot.fmb	PPRCOLR

System-required tables

In the tables listed below, all data is considered system required. Rows should not be modified or deleted.

Table	Description
PTREEOS	EEO Salary Level Rule Table
PTRESOC	Standard Occupational Category Table
PTRGTAX	Government Taxable Life Insurance Premium Rule Table
PTV1099	1099 Distribution Code Validation Table
PTVBDTY	Benefit/Deduction Type Validation Table
PTVECIP	IPEDS Specific Employment Category Code Table
PTVEEOC	EEO Ethnic Codes Validation Table
PTVEEOG	EEO Contract Group Code Validation Table
PTVESKL	EEO Skill Code Validation Table
PTVHSMT	Health and Safety Medical Condition Type Table
PTVRANK	Rank Code Validation Table
PTRRANK	Faculty Rank Rule Table You can modify Institution Rank but not PTVRANK codes.
PTRTENR	Tenure Status Rule Table
PTVREPT	Tax Report Table
PTVEFUN	EEO Function Code Validation Table
NTRAUBK	Electronic Approvals Block Usage
NTRAUFD	Electronic Approvals Field Usage
NTRAUFM	Electronic Approvals Form Usage

The `PXR****` tables listed below contain tax-related codes. You can add rows when needed but should not modify any existing rows. Because these tables contain hundreds of rows and are frequently updated, it is not practical to list their current values here. It is recommended that you save a data export of these tables before making any changes.

Table	Description
PXRADDS	Tax Additional Step Repeating Table
PXRCALC	Alternate Tax Calculation Table

Table	Description
PXREXEM	Tax Exemption Repeating Table
PXRFSTA	Tax Filing Status Table
PXRGRAD	Tax Graduated Table Repeating Table
PXRTXCD	Tax Code Table
PXRTVFY	Tax Calculation Test Data Table

You can add report boxes into the PXRRBOX table, but you must not remove any delivered data. It is recommended that you save a data export of this table before making any changes.

Table	Description
PXRRBOX	Tax Reporting Box Identification Table

If you use the Windstar-Interface application, the tables listed below are considered system required. Rows should not be modified, added, or deleted.

Table	Description
PTRFILE	Flat File Column Definition Rule Table.
PTRTPCM	Third Party Category Code and Map Column Repeating Table.
PTVBTPC	Third Party Category Code Base Table.
PTVTPCD	Third Party Vendor Code Validation Table.