

# **BANNER HUMAN RESOURCES/POSITION CONTROL TRM SUPPLEMENT**

December 2011, Revision 1

---

## Trademark, Publishing Statement and Copyright Notice

SunGard Data Systems and/or its subsidiaries in the U.S.A. and other countries is the owner of numerous marks, including “SunGard,” and the SunGard logo. SunGard Higher Education and/or its subsidiaries in the U.S.A and other countries is the owner of “Banner,” “PowerCAMPUS,” “Advance,” “Luminis,” “DegreeWorks,” “fsaATLAS,” “Course Signals,” and “Open Digital Campus.” Other names and marks used in this material are owned by third parties.

©1999-2011 SunGard Higher Education. All rights reserved. The unauthorized possession, use, reproduction, distribution, display or disclosure of this material or the information contained herein is prohibited.

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

In preparing and providing this publication, SunGard Higher Education is not rendering legal, accounting, or other similar professional services. SunGard Higher Education makes no claims that an institution's use of this publication or the software for which it is provided will insure 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.

In Portable Document Format (PDF), this document is certified for use with Adobe Reader, version 7.x and higher. Some elements of this PDF may not render properly when viewed using earlier versions of the Acrobat Reader or with other PDF viewing applications.

### Prepared by: SunGard Higher Education

4 Country View Road  
Malvern, Pennsylvania 19355  
United States of America

### Customer Support Center Website

<http://connect.sungardhe.com>

### Documentation Feedback

<http://education.sungardhe.com/survey/documentation.html>

### Distribution Services E-mail Address

[distserv@sungardhe.com](mailto:distserv@sungardhe.com)

### Prepared For:

Banner Human Resources 8.6.1  
Banner Position Control 8.6

### Revision History Log

Publication Date	Summary
October 2011	New version that supports Banner Human Resources/Banner Position Control 8.6.
December 2, 2011	New version that supports Banner Human Resources/Banner Position Control 8.6.1.
December 22, 2011	Revision 1. Revised to display correct release numbers for Banner Human Resources Release 8.6.1 and Banner Position Control Release 8.6 since this is a combined book.

# Banner Human Resources/Position Control TRM Supplement

## Contents

---

<b>Chapter 1</b>	<b>Reports and Processes</b> .....	<b>1-1</b>
	<b>Matrix</b> .....	<b>1-11</b>
	<b>Restart Procedures</b> .....	<b>1-16</b>
	PHPCHEK and PHPCHKL .....	<b>1-16</b>
	<b>SQL*Plus Scripts</b> .....	<b>1-16</b>
	<b>Sleep/Wake-Up Routines</b> .....	<b>1-17</b>
	Method One .....	<b>1-17</b>
	In UNIX .....	<b>1-17</b>
	In VMS .....	<b>1-18</b>
	Method Two .....	<b>1-18</b>
	Operating Systems Without Sleep/Wake-up Commands .....	<b>1-18</b>
	<b>Generating the Technical Addendum</b> .....	<b>1-18</b>
<b>Chapter 2</b>	<b>Banner Human Resources/Position Control APIs and BPIs</b> .....	<b>2-1</b>
	<b>Human Resources APIs and BPIs</b> .....	<b>2-2</b>
	Beneficiary and Dependent Tracking APIs .....	<b>2-2</b>
	Benefits and Deduction APIs .....	<b>2-3</b>
	Benefits and Deduction BPI .....	<b>2-4</b>
	Benefits Administration APIs .....	<b>2-5</b>
	Biographic/Demographic Information APIs .....	<b>2-10</b>
	Combined Deduction Limits APIs .....	<b>2-13</b>
	Effort Reporting APIs .....	<b>2-14</b>
	Employee API .....	<b>2-18</b>
	Employee Relations Administration APIs .....	<b>2-21</b>
	Faculty Load and Compensation APIs .....	<b>2-22</b>

Faculty Load and Compensation BPI. . . . .	2-31
Labor Redistribution API. . . . .	2-31
Student-Employee FICA APIs. . . . .	2-32
W-2 APIs. . . . .	2-34
W-2 BPIs. . . . .	2-36
Web Based Pay Stub APIs. . . . .	2-39
<b>Position Control APIs and BPIs. . . . .</b>	<b>2-41</b>
Effort Reporting APIs . . . . .	2-41
Electronic Approvals APIs . . . . .	2-45
Jobs Information APIs . . . . .	2-47
Jobs Information BPIs . . . . .	2-50
Labor Redistribution APIs . . . . .	2-52
<b>Chapter 3 Interfaces . . . . .</b>	<b>3-1</b>
<b>Interfaces with External User Systems . . . . .</b>	<b>3-1</b>
<b>Interfaces within Banner . . . . .</b>	<b>3-1</b>
Shared Tables . . . . .	3-1
Finance System. . . . .	3-2
Advancement/Development System . . . . .	3-3
Student System . . . . .	3-3
<b>Chapter 4 System-Required Data . . . . .</b>	<b>4-1</b>
<b>Tables Requiring Maintenance Access . . . . .</b>	<b>4-1</b>
<b>System-Required Tables . . . . .</b>	<b>4-2</b>

# 1 Reports and Processes



The 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.

Report/Process	Name	Description
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.
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.

Report/Process	Name	Description
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.
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.

Report/Process	Name	Description
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 <code>pdklife.p_calc_amts</code> which calculates of 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 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.

Report/Process	Name	Description
PDPERS	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/Employees	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.

Report/Process	Name	Description
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.
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 Winter Data Collect Report	Generates the IPEDS Winter Data Collect, New 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.

Report/Process	Name	Description
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.
PERREVV	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).
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.

Report/Process	Name	Description
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 Form (NBAPOSN).
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	Accrues and takes leave 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.
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.
PHRC DST	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.

Report/Process	Name	Description
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.
PHRHOOR	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.
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.

Report/Process	Name	Description
PXPMROE	Canadian Mass ROE Creation Process	Generates ROE records for multiple employees.
PXPMT42	1042 Media Transmission	Generates magnetic tape for transmission of 1042-S forms.
PXPW206	W-2 2006 MMREF-1 File	Generates a file (W2REPORT) in MMREF-1 format for use in filing United States W-2 information on diskette.
PXPW207	W-2 2007 EFW2 File	Generates a file (W2REPORT) in MMREF-1 format for use in filing United States W-2 information on diskette.
PXPW208	W-2 2008 EFW2 File	Generates a file (W2REPORT) in EFW2 format for filing United States W-2 information for year 2008.
PXPW209	W-2 2009 EFW2 File	Generates a file (W2REPORT) in EFW2 format for filing United States W-2 information for year 2009.
PXPW210	W-2 2010 EFW2 File	Generates a file (W2REPORT) in EFW2 format for filing United States W-2 information for year 2010 and greater.
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 on diskette.
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.

Report/Process	Name	Description
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.
PXRW206	United States W-2 2006	Generates completed U.S. W-2 Wage and Tax Statements for tax year 2006.
PXRW207	United States W-2 2007	Generates completed U.S. W-2 Wage and Tax Statements for tax year 2007.
PXRW208	United States W-2 2008	Generates United States W-2 form, Form 6559 totals report, and the error/log report pxrw208.log for tax year 2008.
PXRW209	United States W-2 2009	Generates United States W-2 form, Form 6559 totals report, and the error/log report pxrw209 for tax year 2009.
PXRW210	United States W-2 2010	Generates United States W-2 form, Form 6559 totals report, and the error/log report pxrw210 for tax year 2010 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)  <b>Note:</b> 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	Does SunGard Higher Education recommend 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)

**Note:** 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	Sleep/Wake	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
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

Report or Process	Language	Update	Audit	Job Submission	Sleep/Wake	Off Peak	Restart
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
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
PEREE04	COBOL						Yes
PEREO41, -2	C			Yes			Yes
PEREO4D	C			Yes			Yes
PEREE05	COBOL						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
PERPTER	C			Yes			Yes

Report or Process	Language	Update	Audit	Job Submission	Sleep/Wake	Off Peak	Restart
PERREVVW	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
PHPUPTD	C	Yes		Yes		Yes	Yes
PHRCNST	C	Yes		Yes			Yes
PHRCISS	C	Yes		Yes			Yes
PHRCOST	C	Yes		Yes			Yes
PHRDCON	C	Yes		Yes			Yes
PHRDERR	C	Yes		Yes			Yes
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

Report or Process	Language	Update	Audit	Job Submission	Sleep/Wake	Off Peak	Restart
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
PXPW207	C	Yes	Yes	Yes		Yes	Yes
PXPW208	C	Yes	Yes	Yes		Yes	Yes
PXPW209	C	Yes	Yes	Yes		Yes	Yes
PXPW210	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			
PXRLIST	C			Yes			Yes
PXRP941	C			Yes			Yes
PXRROEC	C	Yes					
PXRTDEP	C	Yes		Yes		Yes	Yes
PXRW207	C	Yes	Yes	Yes		Yes	Yes
PXRW208	C	Yes	Yes	Yes		Yes	Yes
PXRW209	C	Yes	Yes	Yes		Yes	Yes
PXRW210	C	Yes	Yes	Yes		Yes	Yes
PXRW2PR	C	Yes		Yes		Yes	Yes
PXRW2US	C	Yes		Yes		Yes	Yes

# Restart Procedures

---

## PHPCHEK and PHPCHKL

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.

### To reprint the 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.

### To restart in the middle of a 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 Human Resources System supports the following SQL\*PLUS scripts.

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
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 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.

#### In UNIX

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.

## In VMS

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.

## Generating the Technical Addendum

---

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

Follow these steps:

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.

## 2 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", i.e., 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 advantage 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

### 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 8.6*.

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 Deduction APIs

Two APIs have been created for 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 has been created to maintain the employee's Benefits and Deduction. This BPI, in turn, invokes one or more of the new APIs.



### Note

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

For more details, refer to the *Banner Human Resources APIs 8.6*.

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
PB_DEDUCTION_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		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
PB_DEDUCTION_DETAIL	DEDUCTION_DETAIL	PB_DEDUCTION_DETAIL	pdkb_dedn_detail0.sql	PDRDEDN	Employee Self-Service Benefits Administration
			pdkb_dedn_detail1.sql		
		PB_DEDUCTION_DETAIL_RULES	pdkb_dedn_detail_r0.sql		
			pdkb_dedn_detail_r1.sql		
PB_DEDUCTION_DETAIL_STRINGS	pdkb_dedn_detail_s0.sql				
	pdkb_dedn_detail_s1.sql				
DML_PDRDEDN			pkd_pdrbded0.sql		
			pkd_pdrbded1.sql		

## Benefits and Deduction BPI

This BPI has been created to maintain the employee's Benefits and Deduction information. This BPI, in turn, invokes one or more of the Benefits and Deduction APIs. It is important to note that the APIs alone cannot be used to maintain the Benefits and Deduction data. Applications must invoke the BPI to ensure data integrity.

For more details, refer to the *Banner Human Resources APIs 8.6*

BPI Object Name	BPI Entity Name	Associated BPI Packages	Associated Scripts	Associated Table	Affected Objects
PP_DEDUCTION		PP_DEDUCTION	pdkp_deduction0.sql	PDRDEDN	Employee Self-Service Benefits Administration
			pdkp_deduction1.sql	PDRBDED	

## 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 8.6*.

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_INFO_RULES	ptkb_provider_info_r0.sql ptkb_provider_info_r1.sql		
		PB_BENE_PROVIDER_INFO_STRINGS	ptkb_provider_info_s0.sql ptkb_provider_info_s1.sql		
		DML_PTRBPRV	ptkd_ptrbprv0.sql ptkd_ptrbprv1.sql		
		PB_DEDN_CHANGE_REASON	ptkb_dednchgreason0.sql ptkb_dednchgreason1.sql		
PB_DEDN_CHANGE_REASON	DEDN_CHANGE_REASON	PB_DEDN_CHANGE_REASON_RULES	ptkb_dednchgreason_r0.sql ptkb_dednchgreason_r1.sql	PTRBREA	PTRBREA
		PB_DEDN_CHANGE_REASON_STRINGS	ptkb_dednchgreason_s0.sql ptkb_dednchgreason_s1.sql		
		DML_PTRBREA	ptkd_ptrbrea0.sql ptkd_ptrbrea1.sql		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
PB_BENEFIT_ GRP_ LIFECHG	BENEFIT_GRP_ LIFECHG	PB_BENEFIT_GRP_LIFECHG	ptkb_lifechg_group0.sql ptkb_lifechg_group1.sql	PTRLFCH	PTRLFCH
		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		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
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 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 pdkb_oe_bene_alloc1.sql	PDRTBAL	Employee Self- Service Benefits Administra- tion
		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		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
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				
PB_OE_BASE_DEDUCTION	OE_BASE_DEDUCTION	PB_OE_BASE_DEDUCTION	pdkb_oe_basededn0.sql	PDRBDOE	Employee Self-Service Benefits Administration
			pdkb_oe_basededn1.sql		
		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_PDRTCOV	DML_PDRBDOE		pdkd_pdrtcov0.sql		
			pdkd_pdrtcov1.sql		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
PB_OE_DETAIL_DEDUCTION	OE_DETAIL_DEDUCTION	PB_OE_DETAIL_DEDUCTION	pdkb_oe_detlledn0.sql pdkb_oe_detlledn1.sql	PDRDTOE	Employee Self-Service Benefits Administration
		PB_OE_DETAIL_DEDUCTION_RULES	pdkb_oe_detlledn_r0.sql pdkb_oe_detlledn_r1.sql		
		PB_OE_DETAIL_DEDUCTION_STRINGS	pdkb_oe_detlledn_s0.sql pdkb_oe_detlledn_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 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		

## 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 8.6*. These APIs replace the code in the corresponding Banner form.

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		
			ppkb_certification_r0.sql		
			ppkb_certification_r1.sql		
pb_certification_strings	CERTIFICATION	pb_certification_strings	ppkb_certification_s0.sql	PPRCERT	PPACERT
			ppkb_certification_s1.sql		
			DML_PPRCERT		
			ppkd_pprcert0.sql		
DML_PPRCERT	CERTIFICATION	pb_certification	ppkd_pprcert1.sql	PPRCERT	PPACERT
			ppkb_endorsement0.sql		
			ppkb_endorsement1.sql		
			ppkb_endorsement_r0.sql		
pb_endorsement_rules	ENDORSEMENT	pb_endorsement	ppkb_endorsement_r1.sql	PPRENDS	PPACERT
			ppkb_endorsement_s0.sql		
			ppkb_endorsement_s1.sql		
			DML_PPRENDS		
DML_PPRENDS	ENDORSEMENT	pb_endorsement	ppkd_pprends0.sql	PPRENDS	PPACERT
			ppkd_pprends1.sql		
			ppkb_endorsement_r0.sql		
			ppkb_endorsement_r1.sql		
pb_endorsement_strings	ENDORSEMENT	pb_endorsement_strings	ppkb_endorsement_s0.sql	PPRENDS	PPACERT
			ppkb_endorsement_s1.sql		
			DML_PPRENDS		
			ppkd_pprends0.sql		
DML_PPRENDS	ENDORSEMENT	pb_endorsement	ppkd_pprends1.sql	PPRENDS	PPACERT
			ppkb_endorsement_r0.sql		
			ppkb_endorsement_r1.sql		
			ppkb_endorsement_s0.sql		
pb_endorsement_rules	ENDORSEMENT	pb_endorsement_rules	ppkb_endorsement_s1.sql	PPRENDS	PPACERT
			ppkb_endorsement_s0.sql		
			ppkb_endorsement_s1.sql		
			DML_PPRENDS		
DML_PPRENDS	ENDORSEMENT	pb_endorsement	ppkd_pprends0.sql	PPRENDS	PPACERT
			ppkd_pprends1.sql		
			ppkb_endorsement_r0.sql		
			ppkb_endorsement_r1.sql		
pb_endorsement_strings	ENDORSEMENT	pb_endorsement_strings	ppkb_endorsement_s0.sql	PPRENDS	PPACERT
			ppkb_endorsement_s1.sql		
			DML_PPRENDS		
			ppkd_pprends0.sql		
DML_PPRENDS	ENDORSEMENT	pb_endorsement	ppkd_pprends1.sql	PPRENDS	PPACERT
			ppkb_endorsement_r0.sql		
			ppkb_endorsement_r1.sql		
			ppkb_endorsement_s0.sql		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
PB_EXPERIENCE	EXPERIENCE	pb_experience	ppkb_experience0.sql	PPREXPE	PPAEXPR
			ppkb_experience1.sql		
		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
			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		

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
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_pprhnav0.sql		
			ppkd_pprhnav1.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		
pb_publication_strings	ppkb_publication_s0.sql				
	ppkb_publication_s1.sql				
DML_PPRPUBL			ppkd_pprpubl0.sql		
			ppkd_pprpubl1.sql		

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

## Combined Deduction Limits APIs

The following APIs are associated with Combined Limit Deductions. For more details, refer to the *Banner Human Resources APIs 8.6*.

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	PTRBDCL	PTRBDCA
			ptkb_dedn_comb_lmt1.sql		PDABDSU
		pb_dedn_comb_lmt_rules	ptkb_dedn_comb_lmt_r0.sql		PDADEDN
			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	PTRBDLG	PTRBDCA
			ptkb_dedn_lmt_grp1.sql		PDABDSU
		pb_dedn_lmt_grp_rules	ptkb_dedn_lmt_grp_r0.sql		PDADEDN
			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				

## 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 8.6*. Position Control APIs are also associated with the Effort Reporting module. See page 2-42 for more details.

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associate d Table	Affected Objects
PB_EFFCERT_EARN	EFFCERT_EARN	pb_effcert_earn	ptkb_effcert_earn0.sql	PTRECER	PTRECPD
			ptkb_effcert_earn1.sql		
		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_ptreecer	ptkd_ptreecer0.sql ptkd_ptreecer1.sql				
	PB_EFFCERT_ECLS	EFFCERT_ECLS	pb_effcert_ecls	ptkb_effcert_ecls0.sql	PTRECEC
ptkb_effcert_ecls1.sql					
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 ptkd_ptrecec1.sql				

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associate d Table	Affected Objects
PB_EFFCERT_ PAYROLL	EFFCERT_ PAYROLL	pb_effcert_payroll	ptkb_effcert_payr0.sql ptkb_effcert_payr1.sql	PTRECPR	PTRECPD
		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 Ptkb_effcert_pcls1.sql	PTRECPC	PTRECPD
		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 ptkb_effcert_pd1.sql	PTRECPD	PTRECPD
		pb_effcert_period_rules	ptkb_effcert_pd_r0.sql ptkb_effcert_pd_r1.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associate d Table	Affected Objects
		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	PTRECR	PTRECPD PTRECR
		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.

Please refer to the *API Reference Guide* for documentation related to all edits associated with 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, refer to the *HR API Reference Guide*.

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

## Important API Notes

### *Employee History Table Enhancement*

The Employee History table (`PEREHIS`) has been expanded to include 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, on a going-forward basis. No changes were made to the Employee History Form (`PEIEHIS`) to display these new items. However, the audited elements are present on the table.

### *Payroll Processing Notes*

An Employee table update function in the Pay Period Update Process (`PHPUPDT`) was modified to also utilize 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 re-activates the job 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, an edit has been placed in the Pay Period Proof Process (PHPPROF). 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 8.6*.

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 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 8.6*.

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 module in Employee Self-Service
			pekb_fac_comments1.sql		
		pb_fac_comments_rules	pekb_fac_comments_r0.sql		
			pekb_fac_comments_r1.sql		
pb_fac_comments_strings	pekb_fac_comments_s0.sql				
	pekb_fac_comments_s1.sql				
DML_PERFLCM			pekd_perflcm0.sql		
			pekd_perflcm1.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects	
PB_FAC_CRSASSIGN	FAC_CRSASSIGN	pb_fac_crsassign	pekb_fac_crsassign0.sql	PERFASG	PEPFLAC  Faculty Load and Compensation module in Employee Self-Service	
			pekb_fac_crsassign1.sql			
		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	PERFCNT	PEPFLAC  Faculty Load and Compensation module in Employee Self-Service	
			pekb_fac_fcnt1.sql			
		pb_fac_fcnt_rules	pekb_fac_fcnt_r0.sql			pekb_fac_fcnt_r1.sql
		pb_fac_fcnt_strings	pekb_fac_fcnt_s0.sql			pekb_fac_fcnt_s1.sql
DML_PERFCNT	pekd_perfcnt0.sql	pekd_perfcnt1.sql				

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
PB_FAC_CRSECOMP	FAC_CRSECOMP	pb_fac_crsecomp	pekb_fac_crsecomp0.sql	PERFCSC	PEPFLAC  Faculty Load and Compensation module in Employee Self-Service
			pekb_fac_crsecomp1.sql		
		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	PERFLER	PEPFLAC  PEPFCAP  Faculty Load and Compensation module in Employee Self-Service
			pekb_fac_errors1.sql		
		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		
			pekd_perfler1.sql		

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

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
PB_FAC_ISOLCOMP	FAC_ISOLCOMP	pb_fac_isolcomp	pekb_fac_isolcomp0.sql	PERFISO	PEPFLAC  Faculty Load and Compensation module in Employee Self-Service
			pekb_fac_isolcomp1.sql		
		pb_fac_isolcomp_rules	pekb_fac_isolcomp_r0.sql		
			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_jobdetail0.sql	PERFJOB	PEPFLAC  PEPFCAP  Faculty Load and Compensation module in Employee Self-Service
			pekb_fac_jobdetail1.sql		
		pb_fac_jobdetail_rules	pekb_fac_jobdetail_r0.sql		
			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				

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects					
PB_FAC_JOBISTR	FAC_JOBISTR	pb_fac_jobistr	pekb_fac_jobistr0.sql	PERFJLD	PEPFLAC					
			pekb_fac_jobistr1.sql		PEPFCAP					
		pb_fac_jobistr_rules	pekb_fac_jobistr_r0.sql		Faculty Load and Compensation module in Employee Self-Service					
			pekb_fac_jobistr_r1.sql							
pb_fac_jobistr_strings	pekb_fac_jobistr_s0.sql									
	pekb_fac_jobistr_s1.sql									
DML_PERFJLD			pekd_perfjld0.sql							
			pekd_perfjld1.sql							
			PB_FAC_JOBEBARN			FAC_JOBEBARN	pb_fac_jobebarn	pekb_fac_jobebarn0.sql	PERFJER	PEPFLAC
								pekb_fac_jobebarn1.sql		PEPFCAP
pb_fac_jobebarn_rules	pekb_fac_jobebarn_r0.sql	Faculty Load and Compensation module in Employee Self-Service								
	pekb_fac_jobebarn_r1.sql									
pb_fac_jobebarn_strings	pekb_fac_jobebarn_s0.sql									
	pekb_fac_jobebarn_s1.sql									
DML_PERFJER			pekd_perfjer0.sql							
			pekd_perfjer1.sql							

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
PB_FAC_NIOLCOMP	FAC_NIOLCOMP	pb_fac_niolcomp	pekb_fac_niolcomp0.sql pekb_fac_niolcomp1.sql	PERFNIO	PEPFLAC  Faculty Load and Compensation module in Employee Self-Service
		pb_fac_niolcomp_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		
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_nistcomp_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		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
PB_FAC_NILTRATE	FAC_NILTRATE	pb_fac_nilrate	ptkb_fac_nilrate0.sql	PTRNILV	PTRNIST
			ptkb_fac_nilrate1.sql		
		pb_fac_nilrate_rules	ptkb_fac_nilrate_r0.sql		Faculty Load and Compensation module in Employee Self-Service
			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	PTRNIST	PTRNIST
			ptkb_fac_nisrate1.sql		
		pb_fac_nisrate_rules	ptkb_fac_nisrate_r0.sql		Faculty Load and Compensation module in Employee Self-Service
			ptkb_fac_nisrate_r1.sql		
pb_fac_nisrate_strings	ptkb_fac_nisrate_s0.sql				
	ptkb_fac_nisrate_s1.sql				
DML_PTRNIST			ptkd_ptrnist0.sql		
			ptkd_ptrnist1.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
PB_FAC_SCHRATE	FAC_SCHRATE	pb_fac_schrates	ptkb_fac_schrates0.sql	PTRSCHD	PTRFLAC
			ptkb_fac_schrates1.sql		
		pb_fac_schrates_rules	ptkb_fac_schrates_r0.sql		Faculty Load and Compensation module in Employee Self-Service
			ptkb_fac_schrates_r1.sql		
pb_fac_schrates_strings	ptkb_fac_schrates_s0.sql				
	ptkb_fac_schrates_s1.sql				
DML_PTRSCHD		ptkd_ptrsched0.sql			
		ptkd_ptrsched1.sql			
PB_FAC_SCLRATE	FAC_SCLRATE	pb_fac_sclrates	ptkb_fac_sclrates0.sql	PTRSCLV	PTRFLAC
			ptkb_fac_sclrates1.sql		
		pb_fac_sclrates_rules	ptkb_fac_sclrates_r0.sql		Faculty Load and Compensation module in Employee Self-Service
			ptkb_fac_sclrates_r1.sql		
pb_fac_sclrates_strings	ptkb_fac_sclrates_s0.sql				
	ptkb_fac_sclrates_s1.sql				
DML_PTRSCLV		ptkd_ptrsclv0.sql			
		ptkd_ptrsclv1.sql			

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
pb_ptvflcl	n/a	pb_ptvflcl	pvkb_ptvflcl0.sql pvkb_ptvflcl1.sql	PTVFLCL	PTVFLCL PTRFLAC PTRNIST PEAFAC
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 8.6*.

BPI Object Name	BPI Entity Name	Associated BPI Package	Associated BPI Scripts	Associated API	Affected Objects
PP_FAC_JOB JOBISTR	FAC_JOBISTR	pp_fac_jobistr	pbkp_fac_job_labor0.sql pbkp_fac_job_labor1.sql	PB_FAC_JOBISTR	PERFJLD

## Labor Redistribution API

The following table lists the Human Resource API associated with labor redistributions. For more details, refer to the *Position Control API Reference Guide*. Position Control APIs are also associated with labor redistributions. See page 2-53 for more details.

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects	
PB_REDISTR_QUEUE	REDISTR_QUEUE	pb_redistr_queue	phkb_redistr_queue0.sql	PHRLRRQ	PHAADJT	
			phkb_redistr_queue1.sql			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			
			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 8.6*. 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	PTRATRM	PTRATRM
			phkb_assoc_term1.sql		
		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	PTRSTDE
phkb_stu_deduction1.sql					
pb_stu_deduction_rules			phkb_stu_deduction_r0.sql		
			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				

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
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_ASSOC_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 8.6*. 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	PXRW2CD	PXAW2CC
			pxkb_w2_coded_info1.sql		PXPW2xx
					PXPWCxx
			PXRW2xx		
		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_federal1.sql	PXPW2xx				
	PXPWCxx				
	PXRW2xx				
pb_w2_federal_rules	pxkb_w2_federal_r0.sql				
	pxkb_w2_federal_r1.sql				
pb_w2_federal_strings	pxkb_w2_federal_s0.sql				
	pxkb_w2_federal_s1.sql				

API Object Name	API Entity Name	Associated API Packages	Associated scripts	Associated Table	Affected Objects
PB_W2_LOCAL	W2_LOCAL	pb_w2_local	pxkb_w2_local0.sql	PXRW2LC	PXAW2CC
			pxkb_w2_local11.sql		PXPW2xx
					PXPWCxx
					PXRW2xx
		pb_w2_local_rules	pxkb_w2_local_r0.sql		
			pxkb_w2_local_r1.sql		
PB_W2_STATE	W2_STATE	pb_w2_local_strings	pxkb_w2_local_s0.sql	PXRW2ST	PXAW2CC
			pxkb_w2_local_s1.sql		PXPW2xx
					PXPWCxx
					PXRW2xx
PB_W2_STATE	W2_STATE	pb_w2_state	pxkb_w2_state0.sql	PXRW2ST	PXAW2CC
			pxkb_w2_state1.sql		PXPW2xx
					PXPWCxx
					PXRW2xx
		pb_w2_state_rules	pxkb_w2_state_r0.sql		
			pxkb_w2_state_r1.sql		
PB_W2_STATE	W2_STATE	pb_w2_state_strings	pxkb_w2_state_s0.sql	PXRW2ST	PXAW2CC
			pxkb_w2_state_s1.sql		PXPW2xx

## 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_2007	W2_2007	pp_w2_2007	pxkp_w2_20070.sql	pb_w2_state	PXRW2ST	Employee Self-Service 2007 W-2 Statement
			pxkp_w2_20071.sql	pb_w2_state_rules pb_w2_state_strings		
			pb_w2_local pb_w2_local_rules pb_w2_local_strings	PXRW2LC		
PP_W2_2008	W2_2008	pp_w2_2008	pxkp_w2_20080.sql	pb_w2_state	PXRW2ST	Employee Self- Service 2008 W-2 Statement
			pxkp_w2_20081.sql	pb_w2_state_rules pb_w2_state_strings		
			pb_w2_federal pb_w2_federal_rules pb_w2_federal_strings	PXRW2FD		

BPI Object Name	BPI Entity Name	Associated BPI Package	Associated BPI Scripts	Associated API Packages	Associated Table	Affected Objects
				pb_w2_local	PXRW2LC	
				pb_w2_local_rules		
				pb_w2_local_strings		
				pb_w2_federal	PXRW2FD	
				pb_w2_federal_rules		
				pb_w2_federal_strings		
PP_W2_2009	W2_2009	pp_w2_2009	pxkp_w2_20090.sql	pb_w2_state	PXRW2ST	PXAW2CC
			pxkp_w2_20091.sql	pb_w2_state_rules		Employee Self-
				pb_w2_state_strings		Service 2009 W-2 Statement
						PXPW209
						PXRW209
				pb_w2_local	PXRW2LC	
				pb_w2_local_rules		
				pb_w2_local_strings		
				pb_w2_federal	PXRW2FD	
				pb_w2_federal_rules		
				pb_w2_federal_strings		

BPI Object Name	BPI Entity Name	Associated BPI Package	Associated BPI Scripts	Associated API Packages	Associated Table	Affected Objects
PP_W2_2010	W2_2010	pp_w2_2010	pxkp_w2_20100.sql	pb_w2_state	PXRW2ST	PXAW2CC
			pxkp_w2_20101.sql	pb_w2_state_rules		Employee Self-
				pb_w2_state_strings		Service 2010 W-2 Statement
				pb_w2_local	PXRW2LC	PXPW210
				pb_w2_local_rules		PXRW210
				pb_w2_local_strings		
PP_W2_2011	W2_2011	pp_w2_2011	pxkp_w2_20110.sql	pb_w2_state	PXRW2ST	PXAW2CC
			pxkp_w2_20111.sql	pb_w2_state_rules		Employee Self-Service
				pb_w2_state_strings		2011 W-2 Statement
				pb_w2_local	PXRW2LC	
				pb_w2_local_rules		
				pb_w2_local_strings		
				pb_w2_federal	PXRW2FD	
				pb_w2_federal_rules		
				pb_w2_federal_strings		

BPI Object Name	BPI Entity Name	Associated BPI Package	Associated BPI Scripts	Associated API Packages	Associated Table	Affected Objects
				pb_w2_federal	PXRW2FD	PXPW210
				pb_w2_federal_rules		PXRW210
				pb_w2_federal_strings		
PP_W2_COMMON	W2_COMMON	pp_w2_common	pxkp_w2_common0.sql	pb_w2_federal	PXRW2FD	PXAW2CC
			pxkp_w2_common1.sql	pb_w2_federal_rules		Employee Self-Service W-2 Statement
				pb_w2_federal_strings		PXPW2xx
						PXPWCxx
						PXRW2xx
						PXRW2US

## Web Based Pay Stub APIs

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

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
		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.

## Effort Reporting APIs

The following table lists the Position Control APIs associated with the Effort Reporting module. For more details, refer to the *Banner Human Resources APIs*, Release 8.6 Human Resources APIs are also associated with the Effort Reporting module. See page 2-15 for more details.

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	NTRECAQ	NTRELAQ	
			ntkb_effcert_aque1.sql			
		nb_effcert_addl_queue_rules	ntkb_effcert_aque_r0.sql			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			

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
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	NTRELRO
		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		
		dml_ntrecdq	ntkd_ntrecdq0.sql ntkd_ntrecdq1.sql		

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
NB_EFFCERT_FTYT	EFFCERT_FTYT	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
			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				

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects
NB_PROXY_MODULE	PROXY_MODULE	nb_proxy_module	ntkb_proxy_module0.sql	NTRPRXM	NTRPROX
			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				

API Object Name	API Entity Name	Associated Packages	Associated Scripts	Associated Table	Affected Objects	
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
			nb_queue_participant_strings			ntkb_queue_partic_s0.sql ntkb_queue_partic_s1.sql
		dml_ntrqpirt	ntkd_ntrqpirt0.sql ntkd_ntrqpirt1.sql			
NB_NTVECCG	n/a		nvkb_ntveccg0.sql nvkb_ntveccg1.sql	NTVECCG	NTVECCG NTRECCG	
NB_NTVECGR	n/a		nvkb_ntvecgr0.sql nvkb_ntvecgr1.sql	NTVECGR	NTVECCG	
NB_NTVPRXM	n/a		nvkb_ntvprxm0.sql nvkb_ntvprxm1.sql	NTVPRXM	NTVPRXM NTRPROX	
NB_NTVQPRT	n/a		nvkb_ntvqpirt0.sql nvkb_ntvqpirt1.sql	NTVQPRT	NTVQPRT NTRQPRT NTRELRO	

## Electronic Approvals APIs

The following table provides a brief overview of the APIs for Electronic Approvals. For more details, refer to the *Position Control API Reference Guide*.

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	NORCMNT	NOAAPSM	
			nokb_ea_comments1.sql			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					
NB_EA_GROUP_CATEGORY	EA_GROUP_CATEGORY	nb_ea_group_category	ntkb_ea_group_cat0.sql	NTRAGRP	NTRAGRP	
			ntkb_ea_group_cat1.sql			
		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_NORCMNT			nokd_norcmnt0.sql			
			nokd_norcmnt1.sql			
DML_NTRAGRP			ntkd_ntragrp0.sql			
			ntkd_ntragrp1.sql			

API Object Name	API Entity Name	Associated API Packages	Associated Scripts	Associated Table	Affected Objects
NB_EA_GROUP_USER	EA_GROUP_USER	nb_ea_group_user	ntkb_ea_group_user0.sql	NTRAGID	NTRAGRP
			ntkb_ea_group_user1.sql		
		nb_ea_group_user_rules	ntkb_ea_group_user_r0.sql		
			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_ntragic0.sql		
			ntkd_ntragic1.sql		
NB_NTVACAT	n/a	nb_ntvacat	nvkb_ntvacat0.sql	NTVACAT	NTVACAT
			nvkb_ntvacat1.sql		
NB_NTVAGRP	n/a	nb_ntvagr	nvkb_ntvagr0.sql	NTVAGRP	NTVAGRP
			nvkb_ntvagr1.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 have been created to maintain the employee jobs information. Each BPI, in turn, invokes one or more of the new 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 new BPIs are:

- 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 *Position Control API Reference Guide*, Release 8.6.

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
		nb_job_base_strings	nbkb_job_base_s0.sql nbkb_job_base_s1.sql		PEAHIRE
		DML_NBRBJOB	nbkd_nbrbjob0.sql nbkd_nbrbjob1.sql		PEAESCH

API Object Name	API Entity Name	Associated API Packages	Associated scripts	Associated Table	Affected Objects
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		PEAIPAY
		nb_job_detail_strings	nbkb_job_detail_s0.sql nbkb_job_detail_s1.sql		PEAHIRE
		DML_NBRJOBS	nbkd_nbrjobs0.sql nbkd_nbrjobs1.sql		PEAESCH
NB_JOB_EARNINGS	JOB_EARNINGS	nb_job_earnings	nbkb_job_earnings0.sql nbkb_job_earnings1.sql	NBREARN	NBAJOBS
		nb_job_earnings_rules	nbkb_job_earnings_r0.sql nbkb_job_earnings_r1.sql		PEAIPAY
		nb_job_earnings_strings	nbkb_job_earnings_s0.sql nbkb_job_earnings_s1.sql		PEAHIRE
		DML_NBREARN	nbkd_nbrearn0.sql nbkd_nbrearn1.sql		PEAESCH
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		

API Object Name	API Entity Name	Associated API Packages	Associated scripts	Associated Table	Affected Objects	
NB_JOB_LABOR	JOB_LABOR	nb_job_labor	nbkb_job_labor0.sql nbkb_job_labor1.sql	NBRJLBD	NBAJOBS	
		nb_job_labor_rules	nbkb_job_labor_r0.sql nbkb_job_labor_r1.sql		PEAIPAY	
		<b>Note:</b> Please be advised that this API is currently intended to only support internal operations. To ensure data integrity, this API is not supported when 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.			PEAHIRE	
		nb_job_labor_strings	nbkb_job_labor_s0.sql nbkb_job_labor_s1.sql		PEAESCH	
		DML_NBRJLBD	nbkd_nbrjlb0.sql nbkd_nbrjlb1.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 *Position Control API Reference Guide*.

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	nbkp_job_labor0.sql	NBRJLBD	NBAJOBS
			nb_job_labor_rules	nbkp_job_labor1.sql		PEA1PAY
			nb_job_labor_strings			PEAHIRE PEAESCH
JOB_ASSIGNMENT	JOB_ASSIGNMENT	np_job_assignment	nb_job_detail	nbkp_job_assignment0.sql	NBRJOBS	NBAJOBS
			nb_job_detail_rules		NBRBJOB	PEA1PAY
			nb_job_detail_strings	nbkp_job_assignment1.sql		PEAHIRE PEAESCH
			nb_job_base			
			nb_job_base_rules nb_job_base_strings			
JOB_EARNINGS	JOB_EARNINGS	np_job_earnings	nb_job_earnings	nbkp_job_earnings0.sql	NBREARN	NBAJOBS
			nb_job_earnings_rules	nbkp_job_earnings1.sql		PEA1PAY PEAHIRE
			nb_job_earnings_strings			PEAESCH

## Labor Redistribution APIs

The following table lists the Position Control APIs associated with Labor Redistributions. For more details, refer to the Position Control *API Reference Guide*. A Human Resources API is also associated with labor redistributions. See page 2-15 for more details.

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		
		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	NTRELQR
		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		

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

# 3 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 Tables

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

<code>SPRIDEN</code>	ID info
<code>SPBPERS</code>	Sex, ethnic data, date of birth
<code>SPRMEDI</code>	Medical data
<code>SPREMRG</code>	Emergency contact
<code>SPRADDR</code>	Address

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

STVNATN	Nation code
STVCNTY	County code
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 Human Resources to 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:

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:

Budget ID, Budget Phase	FTVOBUD
-------------------------	---------

Information is interfaced between Human Resources and the 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 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 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 via two tables, GURFDED and GURALMP.

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*.



# 4 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 Requiring 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

Query Form	Table needing “maintenance” access
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.

PTREEOS	EEO Salary Level Rule Table
PTRGTAX	Government Taxable Life Insurance Premium Rule Table
PTV1099	1099 Distribution Code Validation Table
PTVBDDY	Benefit/Deduction Type Validation 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.
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 table listed below is considered system-required if your institution does IPED reporting.

PTRTENR      Tenure Status Rule Table

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.

PXRADDS      Tax Additional Step Repeating Table

PXRCALC      Alternate Tax Calculation Table

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.

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.

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.

The logo consists of a horizontal bar divided into two main sections: a black section on the left and a blue section on the right. Below this bar is a decorative row of small, multi-colored rectangular segments. The text 'SUNGARD' is written in white, bold, uppercase letters on the black background, and 'HIGHER EDUCATION' is written in white, uppercase letters on the blue background.

**SUNGARD** HIGHER EDUCATION

4 Country View Road  
Malvern, Pennsylvania 19355  
United States of America  
[www.sungardhe.com](http://www.sungardhe.com)