

ellucian™

Banner Financial Aid TRM Supplement

Release 8.12
August 2011



Banner®, Colleague®, PowerCAMPUS®, Luminis® and Datatel® are trademarks of Ellucian or its affiliates and are registered in the U.S. and other countries. Ellucian, Advance, DegreeWorks, fsaATLAS, Course Signals, SmartCall, Recruiter, MOX, ILP, and WCMS are trademarks of Ellucian or its affiliates. Other names may be trademarks of their respective owners.

©1999-2011 Ellucian. 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 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 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.

Prepared by: Ellucian
4375 Fair Lakes Court
Fairfax, Virginia 22033
United States of America

Revision History

Publication Date	Summary
August 2011	New version that supports Banner Financial Aid 8.12 software.

**Banner Financial Aid 8.12
TRM Supplement**

Contents

Chapter 1 Reports and Processes 1-1

Financial Aid Report/Process Descriptions 1-1

Matrix 1-14

SQL*Plus Scripts 1-18

 Grant Scripts. 1-23

 View Scripts 1-23

Chapter 2 Interfaces 2-1

Interfaces with External User Systems 2-1

Interfaces within Banner 2-2

 Aid Year-Specific Views 2-3

Chapter 3 APIs 3-1

Overview 3-1

APIs Used in Banner Financial Aid. 3-2

Chapter 4 System-Required Data 4-1

System-Required Tables 4-1

Data Required to Create a ROAINST Record. 4-3

Sequence Generator Maintenance 4-4

IndexI-1



1 Reports and Processes



Note

Reports and processes ending with “xx” are aid year specific. The “xx” represents the end year of the aid year. ■

Financial Aid Report/Process Descriptions

Report/ Process	Title	Description
RAPAGRL	Athletic Grant Term Roll Process	Rolls athletic grant term information on the Sport Aid by Term form (RAASPTM) from one term to the next.
RARATAD	Athletic Aid Discrepancy Report	Displays the discrepant information between the actual fund/resource amounts and the reported amounts on the Sport Aid by Term form (RAASPTM) from.
RBRABUD	Applicant Budget Report	Prints applicant’s budgets by budget type and budget component.
RBRBCMP	Budget Component Report	Lists budget component amounts by budget group, budget type and aid period.
RCBCTxx	Financial Aid CSS Data Load, Part 1	Loads financial aid CSS PROFILE applicant records into temporary tables. Note that the xx in the program name refers to the aid year of the calculation (e.g., 11, 12).
RCBTPxx	Financial Aid Data Load, Part 1	Loads application records from EDE data into temporary tables. Note that the xx in the program name refers to the aid year of the calculation (e.g., 11, 12).
RCPCTxx	Financial Aid CSS Data Load, Part 1	Loads PROFILE records from CSS data into temporary tables. Note that the xx in the program name refers to the aid year of the calculation (e.g., 11, 12).

Report/ Process	Title	Description
RCPDTMP	Financial Aid Data Load Table Deletes	Deletes all data in the temporary tables used by the Data Load process.
RCPIMFM	IM to FM copy	Copies all unique IM fields to the current FM record so they may be used in rules processing.
RCPMTCH	Financial Aid Data Load, Part 2	Compares incoming student records with existing student records. Matching process.
RCRTPxx	Financial Aid Data Load, Part 3	Loads new and matching applicant records for CSS and EDE data loads to the permanent tables.
REBCDxx	ISIR Correction/Request Process	Creates a flat file of EDE corrections and requests for ISIRs for transmission to the central processor.
RERCALX	CAL MIS Extract Process	Extracts data from Banner and populates two flat files, Applicant Data (RERCALXA.dat) and Applicant Detail Data (RERCALXD.dat).
RERCDxx	COD Print Process	Prints a report of Pell or Direct Loan origination and/or disbursement Document IDs which have been sent to COD.
RERCExx	Correction Error Report	Loads ISIR correction response files showing ISIR correction processing errors. Error reports are returned to institutions in the CORExxOP message class
RERCRCR	EDE Correction/ISIR Request Process Control Report	Lists EDE corrections and ISIR requests that were created on a specific date.
REREXxx	COD Extract Process	Extracts Federal Pell Grant and Direct Loan award and disbursement data from Banner and formats the data in the appropriate XML format for transmission to COD. The process also selects or creates a COD student identifier.

Report/ Process	Title	Description
RERFLxx	Grant File Import Process	Loads the fixed length flat file acknowledgement (response) files received from COD into Banner. The RERFLxx Process cannot be used for files received in XML format.
RERGRNT	Grant COD Miscellaneous Report	Lets you access COD data stored in the database. This can be used to help identify exception processing requirements.
RERIMxx	COD File Import Process	Imports Pell and Direct Loan XML response files received from COD. Message classes that end with an <i>OP</i> are for documents imported to Banner from the COD System.
RERIMEX	COD Import/Export Report	Reports the student associated with the particular Document IDs selected by the parameter values entered.
RERISxx	ISIR Print Process	Prints ISIRs in the format recommended by the Department of Education. Note that the <i>xx</i> in the program name refers to the aid year of the calculation (e.g., 11, 12).
RERORxx	Grant Origination Creation Process	Creates Pell Grant origination records. You can also use REROR08 to process data requests scheduled on the Data Request Record Form (RERRDRQ).
RFPFBRL	Fund Balance Roll Process	Rolls fund balances forward from one aid year to the next aid year.
RFRABAL	Account Balances Report	Prints detailed information on the status of each fund.
RFRBUDG	Fund Budget Report	Prints a simplified fund budget report.
RFRFUND	Fund Description Report	Lists system rules and budget allocations by fund code.
RFRSBAL	Simulation Fund Balance Report	Provides detailed fund balance information for use during packaging simulation.

Report/ Process	Title	Description
RHRCOMM	Applicant Comments Report	Prints comments about each applicant.
RHRPCOM	Applicant Comments Purge Process	Purges applicant comments based on a set of parameters.
RJRAUTH	Authorization Report	Provides listing of current work authorizations based on activity date.
RJRDPFR	Pay Period Report	Provides information for monitoring of student earnings and/or used as departmental time sheet.
RJRLOAD	Payroll Load Process	Updates student employment records with actual payroll earnings and prints payroll load report.
RJRPAYE	Payroll Exception Report	Lists those work-study employees who have been paid, but not authorized within the Financial Aid Student Employment module.
RJRSEEC	Earnings Control Report	Provides listing of hours worked by pay period.
RLRLETR	Award/Tracking Letter Indicator Reset Process	Updates Financial Aid-specific data after letters are printed through Letter Generation.
RLRLOGG	Need Analysis Logging Report	Copies logged data from mirror image tables to the ROBALOG table.
RNEINxx	Need Analysis Calculation Process	Performs Need Analysis Calculations in both batch and online modes. The xx in the program name refers to the aid year of the calculation (e.g., 11, 12).
RNPFMxx	FM Need Analysis	Uses the previously established web service to make the call to the EFC service to send student data through for need calculation. The FM Need Analysis calculation is performed and the results are returned via the established web service. Banner updates the student records accordingly.

Report/ Process	Title	Description
RNRNA _{xx}	Need Analysis Report	<p>Designed as a replacement for RNPFM_{xx} and acts as a separate process. Allows you to decide when you would like to run the report (online or in batch).</p> <p>Note: This process is effective with the 2011-2012 aid year.</p>
RNRTMAC	Transfer Monitoring Application Creation Process	Creates Financial Aid History Requests and/or Transfer Monitoring Requests for the population specified.
RNRTMNE	Transfer Monitoring Extract Process	Creates the School Inform file and/or the Financial Aid History request file. The School Inform file contains names of students who are to be added to or deleted from the Transfer Monitoring list. The Financial Aid History file contains the names of students you are requesting a financial aid history record for.
RNRTMNI	Transfer Monitoring Import Process	Imports and loads data into Banner from the two Transfer Monitoring file types sent from NSLDS and from Financial Aid History requests. The source file types are Error/Acknowledgement file (TRNINFOP), Alert file (TRALRTOP), and Financial Aid History file (FAHEXTOP).
RNRVRFY	Verification Discrepancy Report	Prints discrepancies between verification documents and application data.
ROOGSQ	Automatic Rule Compilation	Generates pseudo-SQL statements for Budget, Tracking and/or Packaging group assignment selection criteria as established on the Financial Aid Selection Rule Form (RORRULE). Automatically executed online when a change is made to the selection criteria.

Report/ Process	Title	Description
ROPPCAT	Update batch post categories	Batch process used to automate setting and resetting the “use” flags on RORPOST.
ROPROLL	Financial Aid New Year Roll Process	Rolls over selected, aid-year specific information from one aid year to another.
ROPSAPR	SAP Assignment Process	Satisfactory Academic Progress Assignment process.
ROPTERM	Financial Aid Term Roll Process	Rolls existing data for third party contracts and exemptions from one term to a new term.
ROPUSER	User-Defined Data Process	Creates an aid year-specific row in the ROBUSDf Table for all students with an Applicant Status record (RORSTAT) based on the Aid Year Code parameter. Optionally creates a non-aid year-specific row in the ROBnyUD Table based on the Create non year record parameter for all students with an Applicant Status record (RORSTAT) for the aid year code.
RORALOG	Audit Log Report	Prints logged data changes and deletions. Contains optional purge of data log.
RORAPLT	Basic Applicant Report	Simple report of applicant name, ID and application date.
RORAPRG	Applicant Purge Process	Purges applicant data for those who have not completed the financial aid process for an aid year.
RORARCH	Archive/Purge Applicant Process	Purges applicant data for an aid year where the record retention date, which is established by the institution, has passed.
RORBPST	Batch Posting Process Report	Perform batch posting update process.

Report/ Process	Title	Description
RORCALC	Calculated Values Process	Calculates applicant's gross need, unmet need and Expected Family Contribution (EFC).
ROREMAL	Financial Aid E-Mail Process	Creates a mass mailing as an e-mail letter using a population selection.
RORFSxx	FISAP Report	Prints standard formatted FISAP report. Note that the xx in the program name refers to the aid year (e.g., 11, 12).
RORGRDE	Grade Exception Report	Provides a report of courses for a student which are gradeable, based on the registration status but have not been rolled to Academic History.
RORGRPS	Automatic Grouping Process	Assigns applicants (online or in batch processing) to budgeting groups, tracking groups, or packaging groups, or any combination of the three group types.
RORHSDP	Financial Aid High School Data Posting Process	Posts applicant high school information to the Applicant High School Data table (RORHSDDT).
RORLOGA	Logging Archive/Purge Process	Archives, reports, and/or purges activity from the RORLOGM and RORLOGD logging activity tables.
RORREGS	Financial Aid Registration Report	Provides information on a student's registration for the term.
RORRPRG	Rules Purge Process	Purges rules for an aid year after the applicant data has been archived/purged. RORUSER User-Defined Data Process Assign user_defined data codes to all applicants.
RPBDDRV	Disbursement Print Process	Controls the Disbursement Print process.

Report/ Process	Title	Description
RPBLMIA	LMS Interface Accounting Feed	Inputs a file of Banner Finance journal entry transactions that was built by the LMS accounting feed programs NBD029 (cash) or NBB229 (accrual).
RPBLMID	LMS Interface Disbursement Feed	Creates a file of institutional loan disbursement information that is input to the Loans Management System.
RPBLMIE	LMS Interface Enrollment Extract	Creates a data feed of student enrollment/withdrawal/graduation information for input to the Loans Management System. RPBPDV Packaging Print Process Controls the Packaging Print process.
RPBPDV	Packaging Print Process	The packaging print process performs packaging in either batch or online mode.
RPEDISB	Disbursement Process	Performs the Disbursement process in either batch or online mode.
RPEPCKG	Packaging Process	Performs the Packaging process in either batch or online mode.
RPEPELL	Pell Calculation Process	Performs the Pell Grant Calculation process in either batch or online mode.
RPPINFO	Web Applicant Info Report	Displays the data the student submitted through the Additional Information Tab on the Award for Aid Year page in Banner Financial Aid Self-Service. This information is also displayed on the Web Applicant Reported Information form (RPAINFO).
RPPPINF	Web Applicant Info Purge Process	Enables you to purge data submitted by the student through the Additional Information Tab on the Award for Aid Year page in Banner Financial Aid Self-Service. This data is stored in the RPRINFO table.
RPRADSB	Applicant Disbursement Report	Provides detail information on applicant's disbursements.

Report/ Process	Title	Description
RPRAROL	Award Roll Process	Allows you roll student awards (that are offered or accepted) to another aid year.
RPRAWDB	Award and Disbursement Report	Prints the summary of the accepted amount, memoed amount, authorized amount, and disbursed amount.
RPRAWRD	Applicant Award Report	Provides detail information on applicant's awards.
RPRCNCL	Award Cancellation Process Report	Produces a report that lists award offer and expiration dates. You can also use this process to cancel those awards which have not been accepted.
RPRCPxx	Direct Loan Compare Extract Process	Creates extract files to import into the DL Tools software to reconcile a school's cash and disbursement records in Banner to information received on the School Account Statement.
RPRDDUP	Disbursement Schedule Date Update Process	Updates the scheduled disbursement date for non-loan funds based on the +/- number of days which have been defined on the Default Award & Disbursement Rules Form (RFRDEFA) and/or the Fund Award & Disbursement Rules form (RFRASCH).
RPRDLPM	Promissory Note Manifest	Selects executed direct loan promissory notes for batch/ mailing to the servicer. It prints a manifest listing of direct loans that have had promissory notes signed and returned and have not been previously reported.
RPRDSPT	Disclosure Statement Print Process	Prints Direct Loan Disclosure Statements.

Report/ Process	Title	Description
RPRDUxx	Flat-File Upload Process	While the majority of the records received by COD Full Participant schools are now in an XML format, there are still some records that are sent by COD in a flat-file format. Use the Flat-File Upload Process to import these data files. The RPRDUxx Process supports the SAS, Entrance/Exit Counseling Results, and MPN related fixed-length files.
RPREFTL	EFT/Disbursement Roster Upload Process	Loads EFT files, which were downloaded through the CommonLine Network, into the Banner EFT Disbursement and Electronic Payment Receipt Tables.
RPREFTP	EFT Posting Process	Posts data from the RPREFTD table to the Loan Disbursement table (RPRLADB) for records where the corresponding EFT transfer, Master Check, or Individual check has been received and recorded in the RPREPMT Table.
RPRELAP	Electronic Loan Application Process	Serves as the only means to create electronic loan application records. The Electronic Loan Application Form (RPAELAP) is only used to display and update loans originally created by this batch job.
RPRELAX	Electronic Loan Application Extract Process	Extracts data from the RPRLAPP, RPRLCRT, RPRLADB and ROBINST tables to create electronic loan application records in the CommonLine record format. You can import this file of records with school-based software systems; or you can send it directly to your service provider.
RPRELCT	Electronic Loan Change Transaction Process	Extracts CommonLine Change Transactions.

Report/ Process	Title	Description
RPRELRU	Electronic Loan Response Upload Process	Uploads the response data file for CommonLine processing.
RPRGRNT	Grant Calculation Process	Calculates TEACH grants in batch or online mode.
RPRHDRL	Hold/Release Process	Reports changes to a student's Hold/Release status.
RPRLNAG	Loan Proceeds Aging Report	Aging report of non-disbursed loans.
RPRLNEX	Loan Funding Exception Report	Lists students whose total loan disbursements for a given term are different by more than a tolerance amount from the amount in the loan by term table for the student, term, and loan application number.
RPRLORC	Direct Loan Record Creation	Creates Direct Loan origination records based on student's Federal Direct Loan awards. The program automatically creates origination records for all fund codes that have been identified as direct loan funds.
RPRLSUM	Loan Summary Report	Provides detailed information on applicants' loans.
RPRPNPT	Promissory Note Printing Program	Creates print files and address label files for Direct Loan Promissory Notes. The process only selects loan records when the school promissory note status is <i>R</i> (ready to print).
RPRSAWD	Simulation Award Report	Provides detailed information on applicant award records to be used during packaging simulation.
RPRSBPR	Financial Aid Student Billing Payment Report	Provides detailed information on any financial aid payments entered into the Student Billing module of Banner Student.

Report/ Process	Title	Description
RPRSMRT	SMART Grant Eligibility Report	Provides major and program information for students in programs which are eligible for SMART grants, and indicates whether or not they have been awarded a SMART grant.
RPRSTCR	Short-Term Credit Report	Provides detailed information on applicants' short-term credit records.
RPRTIVC	Return of Title IV Calculation Process	Performs the Return of Title IV Funds calculation in batch mode in either Simulation mode, or Calculate and Save mode.
RPRTIVI	Return of Title IV Withdrawal Calculation Process	Processes information summarized on the Return of the Title IV Funds Calculation Form for a particular individual, for specific dates, or for a particular group of students.
RPRTIVR	Return of Title IV Funds Recipient Withdrawn Status Report	Prints a summary of all students who had a withdrawal status entered on their student record.
RPRVABN	VA Benefits on FAFSA Report	Lists students who indicated on their FAFSA that they will be receiving VA benefits.
RPRVAWD	Validate Award Process	Validates all awards within an applicant's package to ensure that no changes made to the applicant, or the funds, invalidated the awards.
RPRVDIS	Disbursement Validation Report	Validates all disbursements for all awards within an applicant's package to ensure that no changes made to the applicant or the funds invalidated the disbursements.
RRRAREQ	Applicant Requirements Report	Provides detailed information on applicants' tracking requirements.
RRREXIT	Exit Interview Requirements Process	Establishes exit interview requirements for graduating and withdrawing students.

Report/ Process	Title	Description
RSRDSCP	Data Discrepancies Report	Lists discrepancies in data between the financial aid system and the student system
RSRENRL	Financial Aid Enrollment Hours Process	Creates/updates financial aid hours for the term from the student enrollment tables.

For a more detailed description of each report and its parameters, generate a List of Reports and Parameters (GJRRPTS). This report also includes batch processes. This information is also included in the Reports and Processes Chapter of the *Banner Financial Aid User Guide*.

Matrix

The matrix below provides a compact summarization of batch process attributes.

Report and Process Attributes Legend							
Report or Process	The report/batch process name.						
Language	Identifies the language for the process: COBOL, C, SQL, or PL/SQL.						
Update	Does the process update any tables? If this column is blank, 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)? Note: Yes appears in this column only if the process permits both Update and Audit mode. If the report is query only, Yes does not appear in this column.						
Job Submission	Can you run the process via job submission (Yes or No)?						
Sleep/Wake	Is the process used in conjunction with Sleep/Wake (Yes or No)?						
Off Peak	Is it recommended that you defer running this program to an off peak processing time (late night, weekends) for performance reasons (Yes or No)?						
Restart	If the process aborts or is terminated after the process is initiated, are special procedures required to restart the process without any adverse consequences? 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 and Process Attributes Matrix							
Report or Process	Language	Update	Audit	Job Submission	Sleep/Wake	Off Peak	Restart
RAPAGRL	C	Yes	Yes	Yes			
RARATAD	C			Yes			
RBRABUD	C			Yes			
RBRBCMP	C			Yes			
RCBCTxx	COBOL	Yes		Yes			
RCBTPxx	COBOL	Yes		Yes			
RCPCTxx	Java	Yes		Yes			
RCPDTMP	C	Yes		Yes			
RCPIMFM	C	Yes		Yes			
RCPMTCH	C	Yes		Yes			
RCRTPxx	C	Yes		Yes			
REBCDxx	COBOL	Yes		Yes			

Report and Process Attributes Matrix

Report or Process	Language	Update	Audit	Job Submission	Sleep/Wake	Off Peak	Restart
RERCALX	C			Yes			
RERCDxx	C			Yes			
RERCExx	C	Yes		Yes			
RERCRCR	C			Yes			
REREXxx	C	Yes		Yes			
RERFIxx	C	Yes		Yes			
RERGRNT	C			Yes			
RERIMxx	C	Yes		Yes			
RERIMEX	C			Yes			
RERISxx	C			Yes			
RERORxx	C			Yes			
RFPFBRL	C	Yes		Yes			
RFRABAL	C			Yes			
RFRBUDG	C			Yes			
RFRFUND	C			Yes			
RFRSBAL	C			Yes			
RHRCOMM	C			Yes			
RHRPCOM	C	Yes		Yes			
RJRAUTH	C			Yes			
RJRDPPR	C			Yes			
RJRLOAD	C	Yes		Yes			
RJRPAYE	C			Yes			
RJRSEEC	C			Yes			
RLRLETR	C	Yes		Yes			
RLRLOGG	C	Yes		Yes			
RNECPxx	COBOL						
RNEINxx	COBOL	Yes		Yes			
RNPFMxx	Java	Yes		Yes			
RNRNAXX	Java			Yes			
RNRTMAC	C	Yes		Yes			
RNRTMNE	C	Yes		Yes			
RNRTMNI	C	Yes		Yes			
RNRVRFY	C	Yes		Yes			
ROOGSQL	COBOL	Yes		Yes			
ROPCAT	Java	Yes	Yes	Yes			
ROPROLL	C	Yes		Yes			
ROPSAPR	C	Yes		Yes			
ROPTERM	C	Yes		Yes			

Report and Process Attributes Matrix

Report or Process	Language	Update	Audit	Job Submission	Sleep/Wake	Off Peak	Restart
ROPUSER	C	Yes		Yes			
RORALOG	C	Yes		Yes			
RORAPLT	C			Yes			
RORAPRG	C	Yes	Yes	Yes			
RORARCH	C	Yes		Yes			
RORBPST	C	Yes		Yes			
RORCALC	C	Yes		Yes			
ROREMAL	C	Yes		Yes		Yes	
RORFSxx	C	Yes		Yes			
RORGRDE	C			Yes			
RORGRPS	C	Yes		Yes			
RORHSDP	C	Yes		Yes			
RORLOGA	C	Yes		Yes			
RORREGS	C			Yes			
RORRPRG	c	Yes		Yes			
RPBDDRV	COBOL			Yes			
RPBLMIA	C	Yes		Yes			
RPBLMID	C	Yes		Yes			
RPBLMIE	C	Yes		Yes			
RORUSER	C	Yes		Yes			
RPBPDRV	COBOL			Yes			
RPEDISB	COBOL	Yes		Yes			
RPEPKG	COBOL	Yes		Yes			
RPEPELL	COBOL	Yes		Yes			
RPPINFO	C			Yes			
RPPPINF	C	Yes		Yes			
RPRADSB	C			Yes			
RPRAROL	C	Yes		Yes			
RPRAWDB	C			Yes			
RPRAWRD	C			Yes			
RPRCNCL	C	Yes		Yes			
RPRCPxx	C			Yes			
RPRDDUP	C	Yes		Yes			
RPRDLPM	C	Yes		Yes			
RPRDSPT	C	Yes		Yes			
RPRDUxx	C	Yes		Yes			
RPREFTL	C	Yes		Yes			
RPREFTP	C	Yes		Yes			

Report and Process Attributes Matrix

Report or Process	Language	Update	Audit	Job Submission	Sleep/Wake	Off Peak	Restart
RPRELAP	C	Yes		Yes			
RPRELAX	C	Yes		Yes			
RPRELCT	C	Yes		Yes			
RPRELRU	C	Yes		Yes			
RPRHDRL	C	Yes		Yes			
RPRLNAG	C			Yes			
RPRLNEX	C	Yes		Yes			
RPRLORC	C	Yes		Yes			
RPRLSUM	C			Yes			
RPRPNPT	C	Yes		Yes			
RPRSAWD	C			Yes			
RPRSBPR	C			Yes			
RPRSMRT	C			Yes			
RPRSTCR	C			Yes			
RPRTIVC	C	Yes					
RPRTIVI	C			Yes			
RPRTIVR	C			Yes			
RPRVABN	C			Yes			
RPRVAWD	C			Yes			
RPRVDIS	C			Yes			
RRRAREQ	C			Yes			
RRREXIT	C	Yes		Yes			
RSRDSCP	C			Yes			
RSRENRL	C	Yes		Yes			

SQL*Plus Scripts

Script	Description
<code>rcfmttoim.sql</code>	Copies all current FM applications records to IM manual application records for students not already having a custodial IM application for the selected aid year.
<code>rcimtofm.sql</code>	This script performs a merge of IM data into current FM records.
<code>rddpmemo.sql</code>	This script deletes all duplicate memos for any PIDM, TERM_CODE, DETAIL_CODE combination with a source code of <i>F</i> leaving the record with the newest activity date.
<code>rdelgen.sql</code>	Deletes any existing records in the General Job Submission Parameter Run time table.
<code>rdiscon.sql</code>	This script disables referential integrity constraints which were placed on unindexed Financial Aid columns.
<code>resfimg.sql</code>	This script grants cross-product table access between Finance and Financial Aid, for Finance tables needed by Financial Aid processes.
<code>resford.sql</code>	This script starts all foreign grant scripts for Financial Aid (RESGENG, RESSTUG, RESALUG, RESFIMG, RESPAYG, RESPOSG, RESTRAG).
<code>resgeng.sql</code>	This script grants cross-product table access between General and Financial Aid, for General tables needed by Financial Aid processes.
<code>respayg.sql</code>	This script grants cross-product table access between Payroll and Financial Aid, for Payroll tables needed by Financial Aid processes.
<code>resposg.sql</code>	This script grants cross-product table access between Position Control and Financial Aid, for Position Control tables needed by Financial Aid processes.
<code>resstug.sql</code>	This script grants cross-product table access between Student and Financial Aid, for Student tables needed by Financial Aid processes.
<code>restrag.sql</code>	This script grants cross-product table access between Accounts Receivable and Financial Aid, for Accounts Receivable tables needed by Financial Aid processes.
<code>rfdpmemo.sql</code>	This script identifies duplicate memos for any PIDM, TERM_CODE, DETAIL_CODE combination with a source code of <i>F</i> .

Script	Description
<code>rfixatrm.sql</code>	This script corrects orphan authorization records. This script should be run if any orphan records were found by running the <code>rfndatrm.sql</code> script. This script copies the authorization amount and authorization date from the RPAUTH table to its corresponding record in the RPRATRM table.
<code>rfixmemo.sql</code>	This script corrects orphan memo records. This script should be run if any orphan records were found by running the <code>rfndmemo.sql</code> script. This script copies the memo amount and memo date from the TBRMEMO table to its corresponding record in the RPRATRM table.
<code>rfndatrm.sql</code>	This script locates orphan authorization records. Orphan authorization records are student records with authorization data in the RPAUTH table but not in the RPRATRM table. For processed authorizations, the same data should be in both tables.
<code>rfnddups.sql</code>	Identifies Financial Aid applicants with more than one current application record in an aid year. One (and only one) record should be labeled as the current record. To help identify if you have multiple current applications for a student, the <code>rfnddups.sql</code> script lists the table for a given aid year. If this script finds any students, you need to resolve this situation on a student-by-student basis. The Need Analysis Application Block of the Applicant Override Form (RNAOVRD) can be used to change the identification of a student's current record. For all the students identified by the <code>rfnddups.sql</code> script, you should review their application records by pressing the Count Query Hits key from the New Current Source field. This will display the Applicant Need Analysis Application Inquiry Form (RNIAPPL). When you have chosen the record that you wish to keep as the current record, place the cursor on that record and perform a dragback function (Exit with value) to copy the application Source and Sequence to the Override Form. By pressing the Commit key on the Applicant Override Form the selected application is kept as current and all other records are made non-current.
<code>rfndmemo.sql</code>	This script locates orphan memo records. Orphan memo records are student records with memo data in the TBRMEMO table but not in the RPRATRM table. For processed memos, the same data should be in both tables.
<code>rinsgen.sql</code>	Insert script for selected Financial Aid variables which need to be compiled prior to any GLBPARM variables.

Script	Description
rinsgl107.sql rinsgl108.sql rinsgl109.sql rinsgl110.sql rinsgl111.sql rinsgl112.sql	<p data-bbox="519 252 1380 420"> Inserts CSS INAS default values into the RNRGLBL table, which must be migrated to your production directory. INAS Global Policy Options are selected on the RNRGLBL form and stored in the RNRGLBL table. When Banner runs INAS, it extracts these options from the database, formats the data into a flat file, and feeds that file as input to INAS. </p> <p data-bbox="519 441 1380 609"> The options in this file are used in the INAS calculation rather than what is stored in the COBOL program. These global options are stored in two parts in database fields of 2000 bytes each. Part 1 stores the global options and part two stores the controls for the comparison of individual fields that are common to both Profile and EDE. </p> <p data-bbox="519 630 1380 777"> You can run this script at any time to delete selected global overrides and re-insert the CSS -delivered default values. However, the script should not be run if changes were made on the RNRGLxx form and you want to retain these options. </p>
roksumm.sql	<p data-bbox="519 798 1380 840">This script allows Pell forms to handle multiple funds.</p>
rorsfix.sql	<p data-bbox="519 861 1380 1344"> You can use many forms in Banner to create RORSTAT records for a student. Some of these forms did not place the default aid period code from the Institutional Options Form (ROAINST) into the student's RORSTAT record. This caused problems when the system tried to schedule an awarded fund into its term by term distribution. All scheduling rules are associated with an aid period code, so without that code for the student, the system did not know how to schedule the award. This problem has been corrected by adding the default aid period code to the student's RORSTAT record when it is first created. The <code>rorsfix.sql</code> script helps you fix records that were created by processes that didn't add the default aid period code to the student's RORSTAT record. The script adds the default aid period code from the ROAINST Form to all student records that don't already have an aid period code for the 9192 or 9293 aid years. </p>
rosslct.sql	<p data-bbox="519 1365 1380 1478"> Creates an automatic SLCT sequence. Refer to the Sequence Generator Maintenance section of the Migration to Production Chapter for additional information. </p>

Script	Description
rsetcoll.sql	<p>Three types of college code fields are updated by this script:</p> <ul style="list-style-type: none"> • the prior colleges attended (RCRAPP1_PREV_COLLx where <i>x</i> is 1 - 4), • the student's college choice for release of federal data (RCRAPP1_FED_COLL_CHOICE_x where <i>x</i> is 1 - 3), • and the student's choice of schools to receive application data from the MDE processor (RCRAPP1_COLL_CDE_x where <i>x</i> is 1 - 8). <p>You can change the code in the script to alter the aid year and/or tape source code, as required. When executed, the script adds two leading zeros to the school codes in the 'current record' that are present and are only four characters long and are from a CSS tape for the 9293 aid year. For example, a school code stored in the financial aid RCRAPP1 table of 1234 __ would be changed to 001234. This script only needs to be run by schools that use six character SBGI codes beginning with 00.</p>
rs1fndbl.sql	<p>Displays rounded totals for all funds for a given aid year. The fund balances displayed on the Fund Budget Inquiry Form (RFIBUDG) are stored in the RFRASPC table. Whenever a student's award for the year changes, the status of the award changes, the amount of the memo, authorization, or payment changes, the balances in the RFRASPC table are updated. These balances are the summary of all activity for the year for awards made to all students. Individual student award information is stored in the RPRAWRD table. This script helps you ensure that the summary balances in the RFRASPC table match the student-by-student totals from the RPRAWRD table.</p> <p>Use the rs1fndbl.sql script to select and display fund balances for all funds for a selected year. These balances are calculated based on the sum of all student awards from the RPRAWRD table. These calculated totals should be compared to the totals displayed on the Fund Budget Inquiry Form for all funds to determine if a fund is out of balance.</p> <p>If a fund is out of balance, you can run the rupfndbl.sql script to update the balances stored in the RFRASPC table to match the student-by-student totals stored in the RPRAWRD table. Refer to the rupfndbl.sql script description for information on fund balance reconciliation.</p> <p>Note: The aid year is hardcoded into this script and should be replaced with &AIDY so that the script prompts for aid year at run time.</p>

Script	Description
rupfnldb1.sql	<p data-bbox="535 252 1136 283">Updates fund totals and counts for a given aid year.</p> <p data-bbox="535 304 1380 619">The fund balances displayed on the Fund Budget Inquiry Form (RFIBUDG) are stored in the RFRASPC table. Whenever a student's award for the year changes, the status of the award changes, the amount of the memo, authorization, or payment changes, then the balances in the RFRASPC table are updated. These balances are the summary of all activity for the year for awards made to all students. Individual student award information is stored in the RPRAWRD table. This script helps you ensure that the summary balances in the RFRASPC table match the student-by-student totals from the RPRAWRD table.</p> <p data-bbox="535 640 1380 871">If a fund is out of balance, you can run the <code>rupfnldb1.sql</code> script to update the balances stored in the RFRASPC table to match the student-by-student totals stored in the RPRAWRD table. If a fund is out of balance, the system may stop awarding or disbursing funds to students because the program assumes that the fund is out of money. Running this reconciliation process will restore the fund balances to their proper levels.</p> <p data-bbox="535 892 1380 1081">Note: You should first use the <code>rs1fnldb1.sql</code> script to select and display fund balances for all funds for a selected year. These balances are calculated based on the sum of all student awards from the RPRAWRD table. These calculated totals should be compared to the totals displayed on the first window of the Fund Budget Inquiry Form for all funds to determine if a fund is out of balance.</p> <p data-bbox="535 1102 1380 1176">Run this script regularly to ensure up-to-date fund balances on RFIBUDG.</p>

Grant Scripts

Script	Description
resfimg.sql	Grants required Finance tables to Financial Aid users.
resford.sql	Driver script which runs all of the scripts that grant Financial Aid access to tables owned by other Banner products, and then runs RESFORG to grant access to the foreign tables to Finance end users.
resforg.sql	Issues foreign grants from FAISMGR to an end user account.
resgeng.sql	Grants required General tables to Financial Aid users.
respayg.sql	Grants required Human Resources Payroll tables to Financial Aid users.
resposg.sql	Grants required Human Resources Position Control tables to Financial Aid users.
resstug.sql	Grants required Student tables to Financial Aid users.
restrag.sql	Grants required Accounts Receivable) tables to Financial Aid users.

View Scripts

Script	Description
ravsptm.sql	Financial Aid Sport Aid By Period View joins the Financial Aid Sport Aid By Term Table RARSPTMREM with the Person Identification/Name Repeating Table SPRIDEN.
rbvbudo.sql	This view retrieves budget information from the rbvbud1 view and joins in descriptions.
rbvbud1.sql	This view retrieves budget component information based upon the budget type information retrieved in the rbvbud2 view.
rbvbud2.sql	This view retrieves budget type information using a series of base and repeating tables, along with associated functions to form the display of data fields for use in the top layer view.
rbvcomp.sql	Creates the Budget Inquiry View, which is a selection of all distinct combinations of Group Code, Type Code, and Period Code within a specific aid year.
rcvap10.sql	This view retrieves the financial aid applicant information from the rcvap11 view and joins in descriptions.

Script	Description
rcvap11.sql	This view retrieves pertinent budget component information based on the budget type information retrieved in the rcvap12 view.
rcvap12.sql	This view retrieves pertinent information related to financial aid applicants using a series of base and repeating tables, along with associated functions to form the display of data fields for use in the top layer view.
rcvapp2.sql	Creates a view of the RCRAPP2 table.
rcvappl.sql	Creates Financial Aid Applications View - a view of applications by aid year.
resview.sql	Driver script to create/replace Financial Aid views.
revrmrr.sql	Multiple Reporting Record View.
rfvasch_ prds.sql	Fund Award Schedule Rules Period View joins the fund award schedule table RFRASCH with the ROBPRDS Periods base table in order to sort by period sequence number.
rfvdefa_ prds.sql	Default Award Schedule Rules Period View joins the default award schedule rules table RFRDEFA with the ROBPRDS Periods base table in order to sort by period sequence number.
rfvdefd_ prds.sql	Default Disbursement Schedule Rules Period View joins the default disbursement schedule rules table RFRDEFD with the ROBPRDS Periods base table in order to sort by period sequence number.
rfvdlck_ prds.sql	Fund Disbursement Lock Rules Period View joins the fund disbursement lock table RFRDLCK with the ROBPRDS Periods base table in order to sort by period sequence number.
rfvdsch_ prds.sql	Fund Disbursement Schedule Rules Period View joins the fund disbursement schedule rules table RFRDSCH with the ROBPRDS Periods base table in order to sort by period sequence number.
rfvprom_ prds.sql	Promissory Note Requirement Period View joins the Promissory Note table RFRPROM with the ROBPRDS Periods base table in order to sort by period sequence number.
rnvand0.sql	Actual Need View retrieves values FM need and actual award values calculated by the rnvand1 view and joins in IM Need values calculated by package rnkneed.
rnvand1.sql	Actual Need Second Level View joins aid year and pidm values from the RORSTAT Financial Aid Status table and joins them with FM Need and actual award values calculated by the rnkneed package.

Script	Description
rnvsnd0.sql	Simulated Need View retrieves values FM need and simulated award values calculated by the rnvand1 view and joins in IM Need values calculated by package rnkneed.
rnvsnd1.sql	Simulated Need Second Level View joins aid year and pidm values from the RORSTAT Financial Aid Status table and joins them with FM Need and simulated award values calculated by the rnkneed package.
rfvftrm.sql	Creates Fund by Term View.
rntvmnt.sql	Combines the RNRTMNT and SPRIDEN tables in order to query the Student ID field on the NSLDS Transfer Monitoring Form (RNATMNT).
rokwext.sql	Owned by Banner Student.
rova2xx.sql	Admissions Application View including students without admissions decisions (where xx is the two-digit code for the aid year).
rovadxx.sql	Creates an Admissions application view, based on effective term code.
rovadap.sql	Creates Admissions Application Selection Views.
rovalog.sql	Creates Audit Log View.
rovamxx.sql	Admissions Applications View - Current Year Only.
rovayxx.sql	Admissions Applications View - Current Year Only Including Students without Decision.
rovcont.sql	Creates Third Party Contract View.
rovcrhr_ prds.sql	Credit Hours Period View joins the Credit Hours table RORCRHR with the ROBPRDS Periods base table in order to sort by period sequence number.
rovcsun.sql	Creates Third Party Contract Payment Detail View.
rovddata.sql	Web for Executives Financial Aid Cleansing View.
rovdgmr.sql	Creates Degree and Other Formal Awards View.
rovesun.sql	Creates Billing Exemption Payment Summary View.
rovexpt.sql	Creates Billing Exemption View.
rovfaid.sql	Financial Aid Miscellaneous View joins the Financial Aid Institutional Options table ROBINST with values from the General Person Identification Table SPRIDEN for use in Financial Aid Self Service.

Script	Description
rovfins.sql	Joins the Financial Aid Applicant Status table with First and Last name from the General Person Table SPBPERS.
rovhold.sql	Creates Student Holds View.
rovhsch.sql	Creates High School Selection View.
rovintl.sql	Creates International Student Selection View.
rovlogm.sql	Data Log Activity Master View.
rovmasg.sql	Creates Meal Assignment View.
rovpcol.sql	Creates Prior College Selection View.
rovpend.sql	Creates Financial Aid View of Pending Mail.
rovpreq.sql	Creates Housing Special Attributes View.
rovrasg.sql	Creates Housing Assignment View.
rovsapr.sql	View of SAP status code based on max term code.
rovsaxx.sql	20ww-20xx Max Term SAP Status View. (Note: xx is the aid year, ww is aid year minus one).
rovsatd.sql	Displays the student's registration for the term by attendance date from the new Student Registration View Table (ROVSTCR)
rovstxx.sql	Creates Student View Based on Effective Term Code for given aid year.
rovstcr.sql	This view displays the student's registration for the term from the SFRSTCR table and the course start/end dates from the SFRAREG table.
rovstdd.sql	Creates Basic Student View.
rovstdn.sql	Creates Basic Student Selection View.
rovstu0.sql	This view retrieves student information from the rovstu1 view and joins in descriptions.
rovstu1.sql	This view retrieves pertinent degree information based on the information retrieved in the rovstu2 view.
rovstu2.sql	This view retrieves pertinent general student and admissions application information based on the information retrieved in the rovstu3 view.

Script	Description
rovstu3.sql	This view retrieves pertinent information related to financial aid applicants using a series of base and repeating tables, along with associated functions to form the display of data fields for use in the top layer view.
rovterm.sql	Creates Student System Term View.
rovtest.sql	Creates Test Score Selection View.
rovtprd_ prds.sql	Aid Period/Period View joins the Aid Period/Enrollment Period Table RORTPRD with the ROBPRDS Periods base table in order to sort by period sequence number.
rovtrmg.sql	Creates GPA by Term and Level Selection View.
rovtspc.sql	Test Percentile Selection View.
rovvetn.sql	Creates Veteran Certification Selection View.
rpvaddr.sql	Address View.
rpvadr.sql	Financial Aid Address Hierarchy View.
rpvadsb_ prds.sql	Applicant Award Disbursement Period View joins the Award Disbursement Table RPRADSB with the ROBPRDS Periods base table in order to sort by period sequence number.
rpvarco.sql	Creates Applicant Contract Resource View.
rpvarex.sql	Creates Applicant Exemption Resource View.
rpvarpy.sql	Creates Applicant Resource Payment View.
rpvarsc.sql	Creates Applicant Resource View.
rpvatrm_ prds.sql	Applicant Award Schedule Period View joins the Award Schedule Table RPRATRM with the ROBPRDS Periods base table in order to sort by period sequence number.
rpvatrm.sql	Creates the Applicant Award by Term View for use with Letter Generation.
rpvawt0.sql	This view retrieves admissions and award by term information from the rpvawt1 view and joins in descriptions.
rpvawt1.sql	This view processes the admissions and award by term application information retrieved in the rpvawt2 view.

Script	Description
rpvawt2.sql	This view retrieves pertinent application and award by term information related to financial aid applicants using a series of base and repeating tables, along with associated functions to form the display of data fields for use in the top layer view.
rpvawy0.sql	This view retrieves admissions application and award information from the rpvawy1 view and joins in descriptions.
rpvawy1.sql	This view processes the admissions application and award information retrieved in the rpvawy2 view.
rpvawy2.sql	This view retrieves pertinent admissions and award information related to financial aid applicants using a series of base and repeating tables, along with associated functions to form the display of data fields for use in the top layer view.
rpvcres.sql	Creates view to calculate applicant awards by term for Letter Generation.
rpvdate_ prds.sql	Enrollment Options by Enrollment Period View joins the Enrollment Options by Enrollment Period Table RPRDATE with the ROBPRDS Periods base table in order to sort by period sequence number.
rpvfawd.sql	Fund Award Inquiry View joins award data from the Applicant Award Table RPRAWRD with name and ID data from the Person Identification/Name Table SPRIDEN.
rpvfdrs.sql	Creates Address Hierarchy View.
rpvftrm.sql	Fund Award Period Inquiry View joins the Award Schedule Table RPRATRM and the Person Identification/Name Table SPRIDEN with the ROBPRDS Periods base table in order to sort by period sequence number.
rpvladb_ prds.sql	Loan Disbursement Period View joins the Loan Disbursement Table RPRLADB with the ROBPRDS Periods base table in order to sort by period sequence number.
rpvlatr_ prds.sql	Loan Schedule Period View joins the Loan Disbursement Table RPRLADB with the ROBPRDS Periods base table in order to sort by period sequence number.
rpvladb_ prds.sql	Loan Period / Disbursement Schedule Rules Period View joins the Loan Disbursement Schedule Rules Table RPRLDSB with the ROBPRDS Periods base table in order to sort by period sequence number.
rpvltrm_ prds.sql	Loan Period / Loan Schedule Rules Period View joins the Loan Schedule Rules Table RPRLTRM with the ROBPRDS Periods base table in order to sort by period sequence number.

Script	Description
rpvterm.sql	Creates Applicant Award Term View for use with Financial Aid Letter Generation.
rrvareq_ prds.sql	Applicant Requirements Period View joins the Applicant Requirements Table RRRAREQ with the ROBPRDS Periods base table in order to sort by period sequence number.
rrvreq0.sql	This view retrieves tracking requirements from the rrvreq1 view, and joins in descriptions.
rrvreq1.sql	This view retrieves tracking requirements using a series of base and repeating tables, along with associated functions to form the display of data fields for use in the top layer view.



2 Interfaces

Interfaces with External User Systems

Banner Financial Aid is constructed to interface with either other Banner products (Banner Student, Banner Human Resources, and Banner Finance) or with non-Banner versions of these functional areas. In the event that Banner Financial Aid will interface with a non-Banner student system, the following tables should be populated with appropriate data from the student system. These tables contain data that is shared between Financial Aid and the Student system. The frequency with which the tables are updated to reflect current student system data will determine the relative usefulness of the data.

ROVADAP	Admissions Application Data
ROVCDTL	Third Party Contract Payment Detail Data
ROVCONT	Third Party Contract Data
ROVCSTU	Third Party Contract Authorization Data
ROVCSUM	Third Party Contract Payment Summary Data
ROVDGMR	Degree and Other Formal Awards Data
ROVEDTL	Billing Exemption Payment Detail Data
ROVESTU	Billing Exemption Authorization Data
ROVESUM	Billing Exemption Payment Summary Data
ROVEXPT	Billing Exemption Data
ROVHIST	Summary Academic History Data
ROVHSCH	High School Data
ROVIGPA	Institutional GPA By Term Data
ROVINTL	International Student Data
ROVMASG	Meal Assignment Data
ROVOGPA	Overall GPA By Term Data
ROVPCOL	Prior College Data
ROVPREQ	Housing Special Attributes Data
ROVRASG	Housing Assignment Data
ROVSTCR	Current Enrollment Data
ROVSTDN	Basic Student Data
ROVTEST	Test Score Data
ROVTSPC	Test Percentile Selection View
ROVTGPA	Transfer GPA By Term Data
ROVVETN	Veteran Certification Data

If Banner Financial Aid will interface with a non-Banner human resources and/or finance system, there are changes in the way in which certain processes and forms within the Student Employment module will function. These differences are documented in the *Banner Financial Aid User Guide*.

Interfaces within Banner

Banner Financial Aid interfaces directly with Banner Student, Banner Human Resources and Banner Finance.

The interface to Banner Student is achieved through the use of the following views. These views contain data that is shared between Financial Aid and the Student system. Because these are views of the data, and not interfaced tables that must be updated on a certain schedule, the data in them is always up-to-date.

ROVSTDN	Basic Student View
ROVSTCR	Current Enrollment View
ROVINTL	International Student View
ROVVETN	Veteran Certification View
ROVADAP	Admissions Application View
ROVPCOL	Prior College View
ROVHSCH	High School View
ROVTEST	Test Score View
ROVTSPC	Test Percentile Selection View
ROVPREQ	Housing Special Attributes View
ROVRASG	Housing Assignment View
ROVMASG	Meal Assignment View
ROVDGMR	Degree and Other Formal Awards View
ROVHIST	Summary Academic History View
ROVIGPA	Institutional GPA By Term View
ROVTGPA	Transfer GPA By Term View
ROVOGPA	Overall GPA By Term View
ROVCONT	Third Party Contract View
ROVCSTU	Third Party Contract Authorization View
ROVCDTL	Third Party Contract Payment Detail View
ROVCSUM	Third Party Contract Payment Summary View
ROVEXPT	Billing Exemption View
ROVESTU	Billing Exemption Authorization View
ROVEDTL	Billing Exemption Payment Detail View
ROVESUM	Billing Exemption Payment Summary View

The interfaces to Banner Human Resources and Banner Finance are contained within the Student Employment module and consist of direct access to several tables in these systems.

Aid Year-Specific Views

Several Financial Aid views are updated with new versions for every aid year. These views provide access to Banner Student data.

 **Note**

Reports and processes ending with “xx” are aid year specific. The “xx” represents the end year of the aid year. ■

ROVADxx	Admissions Applications View (based on effective term code)
ROVAMxx	Current Year Only Admissions Applications View
ROVA2xx	Admissions Application View, Including Students without Admissions Decisions
ROVAYxx	Admissions Application View, Current Year Only Including Students without Admissions Decisions
ROVSAxx	Max Term SAP Status View
ROVSTxx	Aid Year Specific Student View



3 APIs

Overview

Application Programming Interfaces (APIs) enhance processing and simplify code. The API is actually a program comprised of four different packages: a primary package containing query functions and create, update, and delete procedures, a Rules package containing subprograms that support the primary package, a Strings package containing error messages, and an associated DML package that performs the actual database maintenance of the edited data.

In addition to the API packages, there are three supporting package types.

- *Utility* - Provides utility functions and procedures for the Banner APIs.
- *Validation* - Contains standard functions and procedures for a specific validation table.
- *Support* - Contains supporting programs that may be called by other APIs and error messages related to these edits.

The APIs are called by programs within Banner (for example, forms, C processes, self-service packages), and may be called by external systems that need to create, update, or delete information stored in Banner tables.

Various institutions have requested that the system support school-specific validation logic with the APIs. The Banner APIs include connection points that you can use to interface with your own code to enable your validation logic without having to change baseline code.

For additional information, refer to the API Technical Documentation available on the ActionWeb.

APIs Used in Banner Financial Aid

The following tables and forms use APIs to process data in Banner Financial Aid. The form listed next to the table in this chart is the representative source used to build the API validation and business rules. The APIs replace the corresponding code in the Banner forms.

Table	Form(s)	API Object Name	API Entity Name	Task Performed
	RNAOV _{xx}	rb_common	Common	Supports miscellaneous and common processing.
GURMAIL	RBAABUD, RNANA _{xx} , RNAOV _{xx} , RNAPR _{xx} , RNASU _{xx} , ROAMESG, ROAPELL, ROASTAT, ROAUSDF, RPAAPMT, RPAAWRD, RRAAREQ	rp_applicant_status	Application Status	Creates records associated with applicant status processing.
RARPAGD	RAAPAGD	rb_ath_grnt_dflt	Athletic Grant Defaults	Maintains Athletic Grant Default information.
RARPAGS	RAAPAGD	rb_ath_grnt_sprt	Athletic Grant Sports	Maintains Athletic Grant Sport information.
RARAARD	RAASPTM	rb_fa_ath_awards	Financial Aid Athletic Awards	Display student athletic aid information.
RARACEX	RAASPTM	rb_fa_ath_cont_exempt	Financial Aid Athletic	Display student athletic aid information.
RARARSC	RAASPTM	rb_fa_ath_resources	Financial Aid Athletic	Display student athletic aid information.
RARSPTM	RAASPTM	rb_fa_sprt_term	Financial Aid Sport By Term	Display student athletic aid information.
REBPAYV	REAOR _{xx}	rb_pell_originations	Pell Originations	A Pell Origination is sent to COD to establish a record for each potential Pell Grant recipient. The origination also serves to verify the student's eligibility for the grant. The returned acknowledgement from COD is input for the purpose of updating the origination.

Table	Form(s)	API Object Name	API Entity Name	Task Performed
REBTCHO	REAORxx	rb_teach_ origination	TEACH Origination	Maintains TEACH origination data.
RERCODD	REICODD	rb_cod_ document	COD Document	Use this API to insert a COD document record into the RERCODD table or to update receipt/response status codes and dates on the document ID. You can also update the document type code with this API.
RERSTID	REASTID	rb_cod_ identifier	COD Identifier	Use the functions and procedures in this API to create and update COD student and borrower identifier records. A record is identified as a student or parent record based on the identifier type. An identifier type of <i>S</i> indicates a student record while a <i>P</i> indicates a borrower record.
RFRASCH	RFRASCH	rb_fund_ award_sched	Default Fund Award Schedule	Maintains default fund award schedule data.
RFRDEFA	RFRDEFA	rb_dflt_ award_sched	Default Award Schedule	Maintains default award schedule data.
RFRDEFD	RFRDEFA	rb_dflt_disb_ sched	Default Disbursement Schedule	Maintains default disbursement schedule data.
RFRDLCK	RFRMGMT	rb_fund_disb_ lock	Fund Disbursement Lock	Maintains Fund Disbursement Locks
RFRDNRD	RFADSCD	rb_donor_demo	Donor Demographics	Display donor and scholarship demographic information.
RFRDSCH	RFRASCH	rb_fund_disb_ sched	Fund Disbursement Schedule	Maintains Fund Disbursement Schedule Rules.
RFRFCAT	RFRBASE	rb_fund_ category	Fund Category	Maintains fund category codes.

Table	Form(s)	API Object Name	API Entity Name	Task Performed
RFRPROM	ROASMRY, RPALORG, RPAPROM, RRAAREQ	rb_promissory_note	Promissory Note	Maintains Promissory Note data.
RFRSDEM	RFADSCD	rb_scholarship_demo	Scholarship Demographics	Maintains scholarship demographics data.
RHRCOMM	RHACOMM	rb_applicant_comment	Applicant Comment	This API creates, retrieves, changes, or removes an Applicant Comments record.
ROBNYUD	RBAABUD, RNANAx, RNAOVxx, RNAPRxx, RNASUxx, ROAMESG, ROAPELL, ROASTAT, ROAUSDF, RPAAPMT, RPAAWRD, RRAAREQ	rp_applicant_status	Application Status	Creates records associated with applicant status processing.
ROBPRDS	RORPRDS	rb_period	Enrollment Period Base	Maintains Enrollment Period Base Table.
ROBUSDF	RBAABUD, RNANAx, RNAOVxx, RNAPRxx, RNASUxx, ROAMESG, ROAPELL, ROASTAT, ROAUSDF, RPAAPMT, RPAAWRD, RRAAREQ	rp_applicant_status	Application Status	Creates records associated with applicant status processing.
RORMVAL	ROIMVAL	rb_rormval	Miscellaneous Values	Supports validation of values used in drop lists on Banner Financial Aid forms.
RORATBT	ROIATBT	rb_roratbt	Ability to Benefit Test	Supports validation of Ability to Benefit Test Rules.
RORCRHR	ROAINST	rb_credit_hour_rules	Credit Hour Rules	Maintains credit hour rules data.
RORHOLD	None (Indirectly used by ROAHOLD via rp_applicant_holds).	rb_applicant_holds	Applicant Holds	Maintains Common Business interface for the Applicant Holds API.
RORHOLD	ROAHOLD	rp_applicant_holds	Applicant Holds	Processes Common Business interface for the Applicant Holds API.
RORHSDT	ROAHSDT	rb_high_school_data	High School Data	Maintains High School data.

Table	Form(s)	API Object Name	API Entity Name	Task Performed
RORMPRM	RORMPRM	rb_misc_ parameter	Miscellaneous Parameter	Maintains miscellaneous parameter data.
RORPRDS	RORPRDS	rb_period_ term	Period Rules	Maintains Period Rules.
RORRPCX	RORRPCX	rb_repeat_ course_excl	Repeat Course Exclusion	Defines the columns which exist in the RORRPCX table and the edits which exist on each column.
RORSAPR	RBAABUD, RNANAxx, RNAOVxx, RNAPRxx, RNASUxx, ROAMESG, ROAPELL, ROASTAT, ROAUSDF, RPAAPMT, RPAAWRD, RRAAREQ	rp_applicant_ status	Application Status	Creates records associated with applicant status processing.
RORSTAT	RBAABUD, REACORR, REAORxx, RNANAxx, RNAOVxx, RNAPRxx, RNARSxx, RNASUxx, RNAVRxx, ROAIMMP, ROASTAT, RPAAPMT, RPAARSC, RPAAWRD	rb_applicant_ status	Application Status	Supports RORSTAT processing.
RORSTAT	ROAHOLD	rp_applicant_ holds	Applicant Holds	Processes Common Business interface for the Applicant Holds API.
RORSTAT	RBAABUD, RNANAxx, RNAOVxx, RNAPRxx, RNASUxx, ROAMESG, ROAPELL, ROASTAT, ROAUSDF, RPAAPMT, RPAAWRD, RRAAREQ	rp_applicant_ status	Application Status	Creates records associated with applicant status processing. The Applicant Status Table (RORSTAT) contains all the columns used to store the data associated with the applicant's status. This API supports this applicant status data and its related processing.
RORTEC	RORTADM	rb_atbt_ administrator	Ability-to-Benefit Test Administrator	Maintains test administrator codes

Table	Form(s)	API Object Name	API Entity Name	Task Performed
RORTESC	RORTESC	rb_atbt_score	Ability-to-Benefit Score	Maintains ability-to-benefit test scores.
RORTPRD	RORTPRD	rb_aid_period_rules	Aid Period Rules	Maintains aid period rules data.
ROTSTAT	RCRSUSP	rb_temp_appl_status	Temporary Application Status	Supports ROTSTAT processing.
ROTSTTS	None (called by other database packages)	rb_sim_appl_status	Packaging Simulation Applicant Status	Supports ROTSTTS processing.
RPRADSB	RPAAWRD, RPAAPMT	rb_award_disbursement	Award Disbursement	Contains the business logic (validation rules and other related processing) surrounding the table associated with Financial Aid Award Disbursement. Internal and external programs can insert/update/delete information into the Banner Applicant Award Disbursement Table (RPRADSB). For example, the Award Maintenance Form (RPAAWRD) calls this API to insert, update and delete entries to the RPRADSB Table. You must create the corresponding award record (RPAWRD) and award by term record (RPRATRM) before you can create award disbursement information.
RPRALGR	RPRALGR	rb_algorithmic_rules	Algorithmic Packaging Rules	Maintains algorithmic packaging rules.
RPRAUTH	ROASMRY	rb_authorization	Authorizations	Maintains authorization data.

Table	Form(s)	API Object Name	API Entity Name	Task Performed
RPROWRD	RPAAWRD, RPAAPMT	rp_award	Create an Award	The Award API is based on the Applicant Award Table (RPROWRD). The Applicant Award Table (RPROWRD) contains all the columns used to store the data associated with the Applicant Award. The Award API defines the columns which exist in the Applicant Award Table (RPROWRD) and the edits which exist on each of the columns in the table.
RPRDATE	RPRDATE	rb_enrl_options	Enrollment Options	Maintains enrollment options data.
RPRFCAT	RPRFCAT	rb_pgrp_category	Packaging Group Fund Category Rules	Maintains Packaging Group Fund Category data.
RPRLDSB	RPRLTRM	rb_lprd_disb_rules	Loan Period / Loan Schedule Rules	Maintains the loan period / loan disbursement rules data.
RPRLTRM	RPRLTRM	rb_lprd_sched_rules	Loan Period / Loan Schedule Rules	Maintains the loan period / loan schedule rules data.
RPRRFND	RPAALORG	rb_dl_refund	DL Refund	Use this API to insert a Direct Loan Servicer Refund record into the RPRRFND table, update existing Direct Loan Servicer Refund records, and delete Direct Loan Servicer Refund records from RPRRFND.
RPRSSUM	RPASTRM	rb_schol_summary	Scholarship Summary	Maintains scholarship summary data.

Table	Form(s)	API Object Name	API Entity Name	Task Performed
RPRATRM	RPIATRM	rp_award_ schedule	Create an Award Schedule	The Award Schedule API is based on the Applicant Award by Term Table (RPRATRM). The Applicant Award by Term Table (RPRATRM) contains all the columns used to store the data associated with the Applicant Award when it has been scheduled into terms. The Award Schedule API defines the columns which exist in the Applicant Award by Term Table (RPRATRM) and the edits which exist on each of the columns in the table.
RRRAREQ	RRAAREQ	rb_ requirement	Applicant Requirement	Use this API to create, retrieve, change, or remove an Applicant Requirement record. Summary requirement processing and other supporting processing is performed as needed.
RRRAREQ	RBAABUD, RNANAx, RNAOVxx, RNAPRxx, RNASUxx, ROAMESG, ROAPELL, ROASTAT, ROAUSDF, RPAAPMT, RPAAWRD, RRAAREQ	rp_applicant_ status	Application Status	Creates records associated with applicant status processing.

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 Financial Aid. For more information on system-required data, please see the *Banner General Technical Reference Manual*.

System-Required Tables

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

Some of these tables are aid year-specific. Data is delivered for each aid year, and that data must be present in order to process aid for that aid year.

Table	Description	Associated Form	Aid Year Specific?
RFRFFID	Federal Fund ID Table	RFIFFID	No
RNRGLBL	INAS Global Policy Options Table	RNRGLxx	Yes
ROBLOGC	Logging Control Base Table	ROALOGC	No
RORAPEL	Alternate Pell Grant Payment Schedule Table	None	Yes

Table	Description	Associated Form	Aid Year Specific?
RORDATA	Data Dictionary Table	RORDATA	Yes
RORDSUP	Supplemental Log Data	RORDSUP	No
RORDVAL	Audit Log Form/Data Code Table	None	No
RORMVAL	Miscellaneous Validation Table	ROIMVAL	Yes
RORPELL	Pell Grant Payment Schedule Table	None	Yes
RPRCIPC	SMART Grant Qualified Course Code Table	RPICIPC	Yes
RPRFEDR	Federal Rules Table	RPIFEDR	Yes
RPRSAHP	State Advanced or Honors Program Code Table	RPISAHP	Yes
RTVCCOE	Country Coefficient Validation Table	RTVCCOE	Yes
RTVCDNT	COD Nation Table	RTVCDNT	No
RTVCDST	COD State Table	RTVCDST	No
RTVDLBT	Batch Type Validation Table	None	No
RTVICMT	ISIR Comment Code Text Validation Table	RTVICMT	Yes
RTVINFC	Data Interface Validation Table	RTVINFC	No
RTVPHAS	CommonLine Loan Application Phase Validation Table	None	No
RTVPRCD	NSLDS Program Code Validation Table	None	No

Table	Description	Associated Form	Aid Year Specific?
RTVPTYP	Posting Code Validation Table	RTVPTYP	No
RTVRJCT	Rejection Code Validation Table	RTVRJCT	No
RTVYICD	Year in College Description Table	None	No

Data Required to Create a ROAINST Record

The following table requirements are necessary to start up a clean instance and create the first ROAINST record.

Table	Requirement
RTVBGRP	Keep the row for <i>DEFAULT</i> or <i>DEF</i> ; the rest can be deleted*
RTVPGRP	Keep the row for <i>DEFAULT</i> or <i>DEF</i> ; the rest can be deleted*
RTVSAPR	Keep the <i>X</i> row; the rest can be deleted*
RTVTGRP	Keep the row for <i>DEFAULT</i> or <i>DEF</i> ; the rest can be deleted*
RTVTRST	Keep the <i>S</i> and <i>E</i> rows; the rest can be deleted*
STVTERM	The current term must exist.

**Only one row needs to be kept in the table so that it can be associated with the ROAINST record. The rows listed above have been suggested for ease and consistency. If you choose to keep a different row, that will not cause a problem. You can always create additional rows in the tables later, change the values on ROAINST and delete the now-obsolete seed rows.*

Sequence Generator Maintenance

Banner Financial Aid uses an Oracle sequence to generate one-up sequence numbers in several tables in the Budget, Tracking and Packaging Group Assignment rules portion of the system. This sequence is called ROSSLCT and is used for internal sequence numbers that are stored in the following tables in the database.

RORCMPL	Group Assignment Compiled Statements Table
RORGDAT	Group Selection Rules Base Table
RORGSQL	Group Assignment Repeating Table (Financial Aid Selection Rules)

The column in each table that contains the internal identifier is named `<table name>_SLCT`. Because these tables are all linked via their SLCT column, they should always be exported and imported as a group, never independently.

After migrating the three tables listed above, it is necessary to drop and recreate the ROSSLCT sequence to begin with a number higher than the highest maximum `*_SLCT` found in any of the three tables. Detailed instructions are included in the REM statements of the `rosslct.sql` file (located in the `BANNER_HOME/finaid/plus` directory).

Index

A

Ability to Benefit Test **3-4**
Ability-to-Benefit Score **3-6**
Ability-to-Benefit Test Administrator **3-5**
Account Balances Report **1-3**
Aid Period Rules **3-6**
Algorithmic Packaging Rules **3-6**
API Overview **3-1**
APIs **3-1**
 APIs Used in Banner Financial Aid **3-2**
 supporting package types **3-1**
APIs Used in Banner Financial Aid **3-2**
Applicant Award Report **1-9**
Applicant Budget Report **1-1**
Applicant Comment **3-4**
Applicant Comments Purge Process **1-4**
Applicant Comments Report **1-4**
Applicant Disbursement Report **1-8**
Applicant Holds **3-4, 3-5**
Applicant Purge Process **1-6**
Applicant Requirement API **3-8**
Applicant Requirements Report **1-12**
Application Status **3-2, 3-4, 3-5, 3-8**
Archive/Purge Applicant Process **1-6**
Athletic Aid Discrepancy Report **1-1**
Athletic Grant Term Roll Process **1-1**
Athletics **3-2**
Audit Log Report **1-6**
Authorization Report **1-4**
Authorizations **3-6**
Automatic Grouping Process **1-7**
Automatic Rule Compilation **1-5**
Award and Disbursement Report **1-9**
Award Cancellation Process Report **1-9**
Award Disbursement API **3-6**
Award Roll Process **1-9**
Award/Tracking Letter Indicator Reset
 Process **1-4**

B

Basic Applicant Report **1-6**
Batch Posting Process Report **1-6**
Budget Component Report **1-1**

C

CAL MIS Extract Process **1-2**
Calculated Values Process **1-7**
COD Document API **3-3**
COD Extract Process **1-2**
COD File Import Process **1-3**
COD Identifier API **3-3**
COD Import/Export Report **1-3**
COD Print Process **1-2**
Common **3-2**
Correction Error Report **1-2**
Create an Award **3-7**
Create an Award Schedule **3-8**
Credit Hour Rules **3-4**

D

Data Discrepancies Report **1-13**
Default Award Schedule **3-3**
Default Disbursement Schedule **3-3**
Default Fund Award Schedule **3-3**
Direct Loan Compare Extract Process **1-9**
Direct Loan Record Creation **1-11**
Direct Loan Refund API **3-7**
Disbursement Print Process **1-7**
Disbursement Process **1-8**
Disbursement Schedule Date Update
 Process **1-9**
Disbursement Validation Report **1-12**
Disclosure Statement Print Process **1-9**
Donor Demographics **3-3**

E

Earnings Control Report **1-4**
EDE Correction/ISIR Request Process
Control Report **1-2**
EFT Posting Process **1-10**
EFT/Disbursement Roster Upload Process
1-10
Electronic Loan Application Extract Process
1-10
Electronic Loan Application Process **1-10**
Electronic Loan Change Transaction Process
1-10
Electronic Loan Response Upload Process
1-11
Enrollment Options **3-7**
Enrollment Period Base **3-4**
Exit Interview Requirements Process **1-12**

F

Financial Aid Athletic **3-2**
Financial Aid Athletic Awards **3-2**
Financial Aid CSS Data Load, Part 1 **1-1**
Financial Aid CSS Data Load, Part 3 **1-2**
Financial Aid Data Load Table Deletes **1-2**
Financial Aid Data Load, Part 1 **1-1**
Financial Aid Data Load, Part 2 **1-2**
Financial Aid E-Mail Process **1-7**
Financial Aid Enrollment Hours Process **1-13**
Financial Aid High School Data Posting
Process **1-7**
Financial Aid New Year Roll Process **1-6**
Financial Aid Registration Report **1-7**
Financial Aid Sport By Term **3-2**
Financial Aid Student Billing Payment Report
1-11
Financial Aid Term Roll Process **1-6**
FISAP Report **1-7**
Flat-File Upload Process **1-10**
FM Need Analysis **1-4**
Fund Balance Roll Process **1-3**
Fund Budget Report **1-3**
Fund Category **3-3**
Fund Description Report **1-3**
Fund Disbursement Lock **3-3**
Fund Disbursement Schedule **3-3**

G

Grade Exception Report **1-7**
Grant Calculation Process **1-11**
Grant COD Miscellaneous Report **1-3**
Grant File Import Process **1-3**
Grant Origination Creation Process **1-3**

H

High School Data **3-4**
Hold/Release Process **1-11**

I

IM to FM copy **1-2**
interfaces
 with Banner Finance **2-2**
 with Banner Human Resources **2-2**
 with Banner Student **2-2**
 with external systems **2-1**
ISIR Correction/Request Process **1-2**
ISIR Print Process **1-3**

L

List of Reports and Parameters (GJRRPTS)
1-13
LMS Interface Accounting Feed **1-8**
LMS Interface Disbursement Feed **1-8**
LMS Interface Enrollment Extract **1-8**
Loan Funding Exception Report **1-11**
Loan Period / Loan Schedule Rules **3-7**
Loan Proceeds Aging Report **1-11**
Loan Summary Report **1-11**
Logging Archive/Purge Process **1-7**

M

Miscellaneous Parameter **3-5**
Miscellaneous Values **3-4**

N

Need Analysis Calculation Process **1-4**
Need Analysis Logging Report **1-4**

Need Analysis Report **1-5**

O

Oracle sequence **4-4**

P

Packaging Group Fund Category Rules **3-7**

Packaging Print Process **1-8**

Packaging Process **1-8**

Packaging Simulation Applicant Status **3-6**

Pay Period Report **1-4**

Payroll Exception Report **1-4**

Payroll Load Process **1-4**

Pell Calculation Process **1-8**

Pell Originations API **3-2**

Period Rules **3-5**

Promissory Note **3-4**

Promissory Note Manifest **1-9**

Promissory Note Printing Program **1-11**

R

Repeat Course Exclusion **3-5**

reports/processes

descriptions **1-1**

matrix **1-14**

Return of Title IV Calculation Process **1-12**

Return of Title IV Funds Recipient Withdrawn
Status Report **1-12**

Return of Title IV Withdrawal Calculation
Process **1-12**

ROAINST record

creating the first **4-3**

ROSSLCT **4-4**

Rules Purge Process **1-7**

S

SAP Assignment Process **1-6**

Scholarship Demographics **3-4**

Scholarship Summary **3-7**

sequence generator **4-4**

Short-Term Credit Report **1-12**

Simulation Award Report **1-11**

Simulation Fund Balance Report **1-3**

SMART Grant Eligibility Report **1-12**

SQL*Plus Scripts **1-18**

grant Scripts **1-23**

view scripts **1-23**

system-required data **4-1**

T

TEACH Origination **3-3**

Temporary Application Status **3-6**

Transfer Monitoring Application Creation
Process **1-5**

Transfer Monitoring Extract Process **1-5**

Transfer Monitoring Import Process **1-5**

U

Update batch post categories **1-6**

User-Defined Data Process **1-6**

V

VA Benefits on FAFSA Report **1-12**

Validate Award Process **1-12**

Verification Discrepancy Report **1-5**

W

Web Applicant Info Purge Process **1-8**

Web Applicant Info Report **1-8**

ellucian™

4375 Fair Lakes Court
Fairfax, Virginia 22033
United States of America
www.ellucian.com