

Banner Financial Aid Release Guide

*Release 8.0
April 2008*



SUNGARD HIGHER EDUCATION

What can we help you achieve?

SunGard Higher Education

4 Country View Road
Malvern, Pennsylvania 19355
United States of America
(800) 522 - 4827

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

Other Services

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.

Trademark

Without limitation, SunGard, the SunGard logo, Banner, Campus Pipeline, Luminis, PowerCAMPUS, Matrix, and Plus are trademarks or registered trademarks of SunGard Data Systems Inc. or its subsidiaries in the U.S. and other countries. Third-party names and marks referenced herein are trademarks or registered trademarks of their respective owners.

Revision History Log**Publication Date Summary**

Original Date	New version that supports Banner Financial Aid 8.0 software.
---------------	--

Notice of Rights

Copyright © SunGard Higher Education 2007, 2008. This document is proprietary and confidential information of SunGard Higher Education Inc. and is not to be copied, reproduced, lent, displayed or distributed, nor used for any purpose other than that for which it is specifically provided without the express written permission of SunGard Higher Education Inc.



Think before you print.

Contents



Introduction . . . . .	.15
Enhancements for 8.0. . . . .	.15
Documentation Change for Problem Resolutions. . . . .	.16
Cumulative Documentation . . . . .	.16
Section 1	Miscellaneous Enhancements
PIN Maintenance. . . . . .	.19
Supplemental Data Engine . . . . .	.20
Partial Data Masking. . . . . .	.21
Documentation Changes . . . . .	.22
Section 2	Algorithmic Packaging - Functional
Overview . . . . .	.23
Algorithmic Packaging Features . . . . .	.23
Algorithms. . . . .	.24
New Forms . . . . .	.25
Packaging Functions . . . . .	.25
Awarding Based on Other Funds . . . . .	.25
Award a Fund Based on a Percentage of Another Fund . . . . .	.25
Simplification of Rules Creation and Maintenance . . . . .	.26
Ability to Store and Reference Internal Interim Values in Packaging Rules. . . . .	.26
New Packaging Simulation Options. . . . .	.26
Fund Enhancements . . . . .	.27
New Forms . . . . .	.27
Group Fund Limits. . . . .	.27
Ability to Apply a Percentage to All the Funds in the Package as a Group . . . . .	.27

Rounding Options for Awards . . . . .	.28
Ability to Inactivate Fund Codes, Groups, and Rules . . . . .	.28
Ability to Override a Fund Rule for a Specific Student . . . . .	.28
Fund Category and Fund Cross-Reference Fields for Packaging and Reporting.	28
Fund Balance Roll Process (RFPFBRL) . . . . .	.29
Ability to View a Fund Description on the Packaging Group Fund Rules Form . .	.29
Long Description Field Added to RFRBASE and ROAMGMT Forms. . . . .	.29
New Accounts Receivable Detail Code Active Indicator . . . . .	.29
Ability to Display All Recipients of a Particular Fund Code by Aid Year or Term .	.29
Other Enhancements . . . . .	.29
Prevent Groups from Being Deleted if Associated Rules Exist . . . . .	.29
Ability to Inactivate a Tracking Requirement . . . . .	.30
Expansion of Priority Fields . . . . .	.30
Sample Algorithmic Packaging Rules . . . . .	.31
Example 1 - Institutional Grant with Amounts Based on GPA and IM EFC Ranges . . . . .	.31
Example 2 - SEOG Award Calculation Based on Pell Award Amounts for the Year . . . . .	.32
Example 3 - SEOG Award Calculation Based on Pell Award Amounts for the Year while using Baseline Database Functions . . . . .	.34
Example 4 - SEOG Award Calculation Based on Pell Award Amounts for the Year while using Multiple Pell Fund Codes . . . . .	.36
Example 5 - SEOG Award Calculation Based on Pell Award Amounts for the Year while using Multiple Pell Fund Codes and while using Baseline Database Functions . . . . .	.40
Example 6 - Calculating Perkins Loans as a Percentage of Pell . . . . .	.42
Example 7 - Calculation for a State Fund which has a Range of Offer Amounts Based on a Percentage of Need and Various Ranges of Cost of Attendance and EFC. . . . .	.45
Example 8 - Calculation for a State Fund which has a Range of Offer Amounts Based on EFC and Whether a Student is In-State or Out-of-State . . . . .	.49
Example 9 - Calculate an Equity Packaging Amount Based on Both Gross Need and Budget . . . . .	.50
Columns Defined on the Temporary Packaging Need Table (RPTNEED) . . . . .	.52
New Functions Defined in the rpkalgr Package . . . . .	.55
F_GET_FUND_OFFER . . . . .	.55
F_GET_FFID_OFFER . . . . .	.55
F_GET_PRIOR_YEAR_FUND_OFFER . . . . .	.55
F_GET_PRIOR_YEAR_FFID_OFFER . . . . .	.56

New Forms . . . . .	.57
Algorithmic Packaging Rules Form (RPRALGR) . . . . .	.57
Key Block . . . . .	.57
Rule Block . . . . .	.58
Copy To Block . . . . .	.60
Test Rule Window . . . . .	.61
Algorithmic Packaging Rule Code Validation Form (RTVALGR) . . . . .	.63
Packaging Group Fund Category Maximums Rules Form (RPRFCAT) . . . . .	.64
Key Block . . . . .	.65
Packaging Group Fund Category Maximums Block . . . . .	.65
Copy To Block . . . . .	.65
Fund Category Validation Form (RTVFCAT) . . . . .	.66
Fund Award Inquiry Form (RPIFAWD) . . . . .	.67
Key Block . . . . .	.67
Fund Award Inquiry . . . . .	.67
Award Amounts Tab . . . . .	.68
Disbursement Amounts Tab . . . . .	.68
Fund Award Term Inquiry (RPIFTRM) . . . . .	.69
Key Block . . . . .	.69
Fund Award Term Inquiry . . . . .	.70
Award Amounts Tab . . . . .	.70
Disbursement Amounts Tab . . . . .	.71
Changed Forms . . . . .	.71
Budget Group Validation Form (RTVBGRP) . . . . .	.71
Applicant Budget Form (RBAABUD) . . . . .	.72
Budget Component Rules (RBRCOMP) . . . . .	.72
Budget Group/Type Rules Form (RBRGTYP) . . . . .	.73
Requirements Tracking Group Validation Form (RTVTGRP) . . . . .	.73
Packaging Group Validation Form (RTVPGRP) . . . . .	.74
Fund Base Data Form (RFRBASE) . . . . .	.76
Fund Category Data Window . . . . .	.77
Fund Management Form (RFRMGMT) . . . . .	.78
Key Block . . . . .	.78
Fund Tab . . . . .	.79
Packaging Tab . . . . .	.80
Tracking Tab . . . . .	.81
Copy Tab . . . . .	.81
Create and Maintain Funds Form (ROAMGMT) . . . . .	.81
Maintain Fund Data Window . . . . .	.81
Maintain Fund Category Data Window . . . . .	.83
Fund Allocation Window . . . . .	.84

Packaging Options Window . . . . .	.85
Loan Packaging Rules Window . . . . .	.86
Tracking Requirements Window . . . . .	.86
Additional Disbursement Options Window . . . . .	.86
Fund Award and Disbursement Schedule Rules Form (RFRASCH) . . . . .	.87
Institution Financial Aid Options Form (ROAINST) . . . . .	.87
Options Tab . . . . .	.87
Loan Options Tab . . . . .	.87
Defaults Tab . . . . .	.88
Campus/EDE Defaults Tab . . . . .	.88
Web Processing Rules Tab . . . . .	.88
Group Inquiry Form (ROIGRPI) . . . . .	.88
Selected Students Window . . . . .	.92
Student Employment Referral Form (RJASERF) . . . . .	.93
Satisfactory Academic Progress Window . . . . .	.93
Applicant Status Form (ROASTAT) . . . . .	.93
Eligibility Status Tab . . . . .	.93
Batch Posting Rules Form (RORPOST) . . . . .	.93
Financial Aid Selection Rules Form (RORRULE) . . . . .	.94
Key Block . . . . .	.94
Selection Criteria/Compiled and Expert SQL/Copy To Blocks . . . . .	.96
Copy To Block . . . . .	.97
SAP Translation Rules Form (RORSTRF) . . . . .	.97
Package Maintenance Form (RPAAPMT) . . . . .	.97
Award Maintenance Tab . . . . .	.97
Packaging Group Tab . . . . .	.98
Fund Awards by Term Tab . . . . .	.98
Award Maintenance Form (RPAAWRD) . . . . .	.99
Award Maintenance Tab – Override Tab . . . . .	.99
Packaging Group Tab . . . . .	.99
Fund Awards by Term Tab – Options Tab . . . . .	.99
Fund Awards by Term Tab – Overrides Tab . . . . .	.100
Loan Application Form (RPALAPP) . . . . .	.100
Award Offer Mass Entry Form (RPAMOFF) . . . . .	.100
Default Packaging Rules Form (RPRDEFRR) . . . . .	.101
Gap Packaging Block . . . . .	.101
Equity Packaging Block . . . . .	.102
Self-Help Packaging Block . . . . .	.103
Message Rules Form (RORMESG) . . . . .	.104
Key Block . . . . .	.104
Packaging Group Fund Source Maximums Rules Form (RPRFSRC) . . . . .	.105
Packaging Group Fund Rules Form (RPRGFND) . . . . .	.106

Key Block and Copy To Block	106
Priority Group Fund Rules Block	106
Copy To Block	107
Loan Options Form (RPRLOPT)	107
Key Block	107
Loan Options Block	107
Packaging Rules Form (RPRPCKR)	108
Key Block	108
Gap Packaging	108
Equity Packaging Block	109
Self-Help Packaging Block	110
Applicant Requirements Form (RRAAREQ)	111
Applicant Requirements Tab	111
Applicant Requirements Mass Entry (RRAMASS)	112
Requirements Tracking Group/Requirements Rules Form (RRRGREQ)	112
Key Block	112
Tracking Group Requirement Rules Block	112
Data Source Code Validation Form (RTVINFC)	113
Main Window	113
Aid Year Specific Rules Window	113
Satisfactory Academic Progress Validation Form (RTVSAPR)	113
Requirements Tracking Validation Form (RTVTREQ)	115
RTVTREQ Form and the Inactivation of Tracking Requirement Code Default Values	116
Financial Aid System Global Establishment Form (ROQMENU)	116
Form Library (ROQOLIB)	117
Financial Aid PL/SQL Library (roqrpls.pll)	118
Changed Menus	118
Packaging and Disbursement Menu (*RESPACK)	118
Packaging and Disbursement Control Menu (*RESPACKCM)	118
New Reports and Processes	118
Fund Balance Roll Process (RFPFBRL)	118
Changed Reports and Processes	120
Packaging Process (RPEPCKG)	120
Processing Changes	120
New Parameters	122
Applicant Budget Report (RBRABUD)	124
2007-2008 FA Data Load Part 3 (RCRTP08)	124

Fund Description Report (RFRFUND)	124
Financial Aid New Year Roll Process (ROPROLL)	125
SAP Assignment Process (ROPSAPR).	127
Batch Posting Process (RORBPST)	127
Automatic Group Assignment (RORGRPS)	127
Packaging Print Process Award Report (RPBAWRD)	127
Packaging Sort Process (RPBSORT).	127
Disbursement Process (RPEDISB)	127
Pell Calculation Process (RPEPELL).	128
Award Roll Process (RPRAROL)	128
Award Validation Report (RPRVAWD)	128
Disbursement Validation Report (RPRVDIS)	128
Exit Interview Requirements (RRREXIT)	129
Financial Aid Transcript Requests (RSRPCOL)	129

Section 3 Internationalization - Functional

Unicode Support.	131
Additional IDs	132
Enhanced Fields.	132
Banner Financial Aid	133
Field Lengths on Forms Used Principally by United States (U.S.) Schools.	133
Expanded Field Lengths on Forms Used Internationally	134
Expanded Fields to Support Global Name and Address Standards	135
New Fields Added to Banner Financial Aid Tables	135
Changed Forms	136
Institution Financial Aid Options (ROAINST)	136
SAR ID Inquiry (ROISARI)	137
Electronic Loan Application (RPAELAP)	137
Placement Base Data (RJAPLBD)	137
NSLDS Transfer Monitoring Application (RNATMNT)	138
Data Request Record (RERRDRQ).	138
Applicant Data Log Inquiry (ROIALOG).	138
Data Log Inquiry (ROILOG)	139

Logging Activity Inquiry (ROILOGA) . . . . .	.139
Loan Application (RPALAPP) . . . . .	.139
ROQMENU - Financial Aid Global Establishment Form . . . . .	.139
ROQOLIB – Financial Aid Object Library . . . . .	.139
ROQRPLS – Financial Aid PL/SQL Library. . . . .	.140
Obsolete Forms . . . . .	.140
Financial Aid Transcript Request Form (RHARQST) . . . . .	.140
Changed Reports and Processes . . . . .	.140
FINAID Temporary SPRADDR Copybook (INSADDR2) . . . . .	.140
Need Analysis Logging Report (RLRLOGG) . . . . .	.140
FA New Year Roll Process (ROPROLL) . . . . .	.141
Grant Origination Creation (RERORxx). . . . .	.141
Obsolete Reports and Processes . . . . .	.141
Financial Aid Transcript Process (RHRTRAN) . . . . .	.141

Section 4 Supplemental User ID/Activity Date and Logging - Functional

Introduction . . . . .	.143
Tables with User-Defined Logging . . . . .	.145
User-Defined Logging Added to the Following Tables . . . . .	.146
Budgeting Tables . . . . .	.146
Short Term Credit Tables . . . . .	.146
Student Employment Tables . . . . .	.146
Activity Date and User IDs Added to Banner Financial Aid Tables . . . . .	.147
Existing Activity Date and/or User ID Columns are Now Nullable . . . . .	.147
Prior Logging Method Discontinued . . . . .	.147

Section 5 Algorithmic Packaging - Technical

New Tables . . . . .	.149
Algorithmic Packaging Rules Table (RPRALGR) . . . . .	.149
Algorithmic Packaging Rule Code Validation Table (RTVALGR) . . . . .	.151
Temporary Packaging Need Table (RPTNEED) . . . . .	.151
Fund Category Table (RFRFCAT) . . . . .	.154
Packaging Group Fund Category Maximums Rules Table (RPRFCAT) . . . . .	.155

Fund Category Validation Table (RTVFCAT)	156
Changed Tables	157
Fund Aid Year Specific Data (RFRASPC)	157
Fund Base Table (RFRBASE)	157
Temporary Fund Aid Year Specific Data (RFTASPC)	158
Group Selection Rules Base Table (RORGDAT)	158
Applicant Award By Term Table (RPRATRM)	159
Award Maintenance Table (RPRAWRD)	160
Backout Award Table (RPRBAKO)	160
Default Equity Packaging Rules Table (RPRDEFE)	160
Default Gap Packaging Rules Table (RPRDEFG)	161
Default Self-Help Packaging Rules Table (RPRDEFS)	161
Packaging Group Fund Rules Table (RPRGFND)	162
Packaging Group Equity Packaging Rules Table (RPRGEQY)	162
Packaging Group Gap Packaging Rules Table (RPRGGAP)	163
Packaging Group Self-Help Packaging Rules Table (RPRGSHP)	163
Temporary Applicant Award Table (RPTAWRD)	164
Budgeting Group Validation Table (RTVBGRP)	164
Packaging Group Validation Table (RTVPGRP)	165
Satisfactory Academic Progress Validation Table (RTVSAPR)	165
Requirements Tracking Group Validation Table (RTVTGRP)	166
Requirements Tracking Validation Table (RTVTREQ)	166
New and Modified Required Data	167
Logging Control Base Table (ROBLOGC)	167
Logging Control Repeating Table (RORLOGC)	167
Letter Generation Variable Base Table (GLBVRBL)	169
Letter Generation Variable Select Table (GLRVFRM)	169
Letter Generation Variable Rules Table (GLRVRBL)	170
Table to Contain Banner Business Objects (GURMESG)	170
Miscellaneous Validation Rules Table (RORMVAL)	171
RPRAWRD_OVERRIDE_FUND_RULE	171
RPRATRM_OVERRIDE_DISB_RULE	172
New Views	172
Fund Award View (RPVFAWD)	172
Fund Award Term View (RPVFTRM)	173

New Packages	174
Algorithmic Packaging Support Package (RPKALGR)	174
Functions	174
Packaging Support Processes (RPKPCKG)	175
Functions	175
Procedures	176
Fund Category Entity API (RB_FUND_CATEGORY).	176
RB_FUND_CATEGORY	176
RB_FUND_CATEGORY_RULES.	177
RB_FUND_CATEGORY_STRINGS	177
DML_RFRFCAT.	177
Algorithmic Packaging Rules Entity API (RB_ALGORITHMIC_RULES)	177
RB_ALGORITHMIC_RULES	177
RB_ALGORITHMIC_RULES_RULES	177
RB_ALGORITHMIC_RULES_STRINGS	177
DML_RPRALGR	178
Packaging Group Fund Category Rules Entity API (RB_PGRP_CATEGORY).	178
RB_PGRP_CATEGORY	178
RB_PGRP_CATEGORY_RULES.	178
RB_PGRP_CATEGORY_STRINGS	178
DML_RPRFCAT.	178
Algorithmic Packaging Rule Code Validation Package (RB_RTVALGR)	179
RB_RTVALGR	179
Fund Category Validation Package (RB_RTVFCAT)	179
RB_RTVFCAT.	179
Changed Packages	179
Satisfactory Academic Progress Calculation Package (ROKSAPR)	179
Awarding Form support package (RPKAFRM)	179
Awarding support package (RPKAWRD)	180
Loan application support package (RPKLOAN)	180
Award Validation Package (RPK_AWARD_VALIDATION)	180
Disbursement Validation Package (RPK_DISB_VALIDATION).	180
Common Validation Package (RPK_COMMON_VALIDATION)	181
Award Business Entity API (RB_AWARD)	181
Award Disbursement Business Entity API (RB_AWARD_DISBURSEMENT)	181
Award Schedule Business Entity API (RB_AWARD_SCHEDULE).	182
Requirement Entity API (RB_REQUIREMENT)	182
RTVTREQ Validation API (RB_RTVTREQ).	182
Temporary Award API (RB_TEMP_AWARD).	182

Award Business Process API (RP_AWARD)	183
Award Schedule Business Process API (RP_AWARD_SCHEDULE)	183
Requirements Business Process API (RP_REQUIREMENT)	183
Simulated Packaging Support Package (rpksawd)	184
Tracking Requirement Support Package (RRKAREQ)	184
New Triggers	184
RT_RFRFCAT_USERACTIVIT_INSUPD (rtffcat0.sql)	184
RT_RPRALGR_USERACTIVIT_INSUPD (rptalgr0.sql)	185
RT_RPRFCAT_USERACTIVIT_INSUPD (rptfcac0.sql)	185
RT_RTVALGR_USERACTIVIT_INSUPD (rttalgr0.sql)	185
RT_RTVFCAT_USERACTIVIT_INSUPD (rttfcac0.sql)	185
Logging Triggers	185
Changed Triggers	185
Award Schedule Logging Trigger (rptatrm9.sql)	185
Award Logging Trigger (rptawrd9.sql)	185

Section 6 Internationalization - Technical

New Tables	187
International Translation Rules (RTVINTL)	187
New and Modified Required Data	188
International Translation Rules (RTVINTL)	188
New and Modified Database Elements	213
Financial Aid Application Table – Part 1 (RCRAPP1)	213
New Bio-Demographic Database Elements.	213
Financial Aid Application Table – Part 3 (RCRAPP3)	214
Financial Aid Application Table – Part 4 (RCRAPP4)	214
Financial Aid Temp. Appl. Table – Part 1 (RCRTMP1)	215
New Bio-Demographic Database Elements.	215
Financial Aid Temp. Appl. Table – Part 3 (RCRTMP3)	216
Financial Aid Temp. Appl. Table – Part 4 (RCRTMP4)	216
Placement Base Data Table (RJBPLBD)	217
New Bio-Demographic Database Elements.	217
Financial Aid Application Log Table – Part 1 (RLRAPP1)	218
New Bio-Demographic Database Elements.	218

Financial Aid Application Log Table – Part 3 (RLRAPP3) . . . . .	.219
Financial Aid Application Table – Part 4 (RLRAPP4) . . . . .	.219
Application Status Log Table (RLRSTAT) . . . . .	.220
Archive Data Log Activity Detail Table (ROALOGD) . . . . .	.220
Audit Log Table (ROBALOG) . . . . .	.220
Financial Aid Institution Table (ROBINST) . . . . .	.221
New Bio-Demographic Database Elements. . . . .	.221
New International Indicator . . . . .	.221
Financial Aid Campus Table (RORCAMP) . . . . .	.221
New Bio-Demographic Database Elements. . . . .	.222
Data Log Activity Detail Table (RORLOGD) . . . . .	.223
Applicant Status Table (RORSTAT) . . . . .	.223
Finaid Temporary SPRADDR Table (ROTADDR). . . . .	.223
New Bio-Demographic Database Elements. . . . .	.224
Temporary E-mail Address Table (ROTEMAL) . . . . .	.224
Finaid Temporary SPRIDEN Table (ROTIDEN). . . . .	.224
New Bio-Demographic Database Elements. . . . .	.225
Finaid Temporary SPBPERS Table (ROTPERS) . . . . .	.225
Temp. Applicant Status Table (ROTSTAT) . . . . .	.225
Lender Base Data Table (RPBLNDR). . . . .	.225
New Bio-Demographic Database Elements. . . . .	.226
EFT Disbursement Table (RPREFTD) . . . . .	.226
New Bio-Demographic Database Elements. . . . .	.227
Loan Application Table (RPRLAPP) . . . . .	.227
New Bio-Demographic Database Elements. . . . .	.229
Loan Application Reference Table (RPRLARF). . . . .	.232
New Bio-Demographic Database Elements. . . . .	.232
Loan Electronic Counseling Status Table (RPRLECS) . . . . .	.233
New Bio-Demographic Database Elements. . . . .	.234
Certification Initials Validation Table (RTVCINT) . . . . .	.238
New Bio-Demographic Database Elements. . . . .	.238
Changed Database Objects . . . . .	.238
bwrcre1.sql and bwrcbref.sql . . . . .	.238
rcfgssn.sql . . . . .	.239
BANNER Web for Financial Aid Loan App History Display Package Bodies (bwrklhs1.sql) . . . . .	.239
rbvbud2.sql . . . . .	.239
rpvawt2.sql . . . . .	.239

rpvawy2.sql . . . . .	.240
rcvapl2.sql . . . . .	.240
2006-2007 COD Extract Database Package (rekce07.sql and rekce071.sql) . . .	.240
2007-2008 COD Extract Database Package (rekce08.sql and rekce081.sql) . . .	.240
REKORIG Package (rekorig0.sql and rekorig1.sql). . . . .	.240
rotiden0.sql . . . . .	.241
rotstat9.sql . . . . .	.241
rovstu2.sql . . . . .	.241
rrvreq1.sql. . . . .	.241
Obsolete Objects . . . . .	.242

Section 7 Supplemental User ID/Activity Date and Logging - Technical

New Database Elements . . . . .	.243
Budgeting . . . . .	.243
Short Term Credit . . . . .	.244
Student Employment . . . . .	.244
Changed Database Elements . . . . .	.245
Budgeting . . . . .	.245
Short Term Credit . . . . .	.246
Student Employment . . . . .	.247
New Database Objects . . . . .	.249
New and Modified Required Data. . . . .	.250
Data Log Rules Table (RORDATA) . . . . .	.250
Supplemental Log Data Table (RORDSUP) . . . . .	.251
Audit Log Form/Data Code Table (RORDVAL) . . . . .	.251
Logging Control Base Table (ROBLOGC) . . . . .	.251
Logging Control Repeating Table (RORLOGC). . . . .	.251
Affected Tables . . . . .	.251
Budgeting Tables . . . . .	.251
Short Term Credit Tables . . . . .	.252
Student Employment Tables . . . . .	.252

Section 8 Problem Resolutions

Summary of Problem Resolutions253
---	-------------

Introduction

This release guide documents Release 8.0 of the Banner Financial Aid System. Release 8.0 includes enhancements, RPEs, and problem resolutions.

Enhancements for 8.0

This document describes the following enhancements, which are new for Release 8.0.

Miscellaneous Enhancements

The following enhancements are summarized in this section.

- *PIN Maintenance*
- *Supplemental Data Engine*
- *Partial Data Masking*
- *Documentation Changes*

Algorithmic Packaging

This enhancement is designed to facilitate the use of algorithmic packaging with the Banner Financial Aid baseline product. Forms and processes have been added or modified to provide a more complete means of automatically packaging students through the use of new algorithmic packaging forms in conjunction with pre-existing Banner Financial Aid rules forms. In addition, there are also client-requested packaging enhancements that have been addressed with the 8.0 release.

Internationalization

The Internationalization enhancement supports global naming and address standards. Bio-demographic fields have been expanded in Banner Financial Aid to accommodate US and non-US standards.

The Banner Financial Aid product also includes a new **International Indicator** on the ROAINST Form. This field determines the usage of international data lengths for Banner Financial Aid processing. This field is related to the new International Translation Rules (RTVINTL) validation table which holds both traditional United States data lengths and international data lengths.

Supplemental User ID/Activity Date and Logging

This enhancement adds user-defined table logging functionality to the Banner Financial Aid Budget, Student Employment, and Short Term Credit modules. In order to implement the addition of user-defined logging to the budgeting, short term credit, and student employment tables, the user ID and activity date were added, or modified, to utilize database triggers for the update of these values.

Documentation Change for Problem Resolutions

Problem resolutions are summarized by module at the end of this release guide. The detailed description, impact, and resolution information for each problem resolution is delivered in a separate .txt file. The file for this release is named `finaid8000resolutions.txt`. As a result of this change, information about problem resolutions is more consistent between release guides and the Customer Support Center.

Cumulative Documentation

This document provides detailed information about the Banner Financial Aid 8.0 release only. Banner Financial Aid 8.0 is a cumulative release that also includes enhancements, RPEs, and problem resolutions delivered in the Banner Financial Aid 7.1, 7.1.1, 7.2, 7.2.1, 7.3, 7.3.1, 7.4, 7.4.1, 7.5, 7.5.1, 7.6, 7.6.1, 7.6.2, 7.7, 7.7.1, 7.8, 7.8.1, 7.9, and 7.9.1 releases. For complete documentation about these interim releases, please refer to the interim release guides identified in the table that follows.

Release Number	Contents	Release Date
7.1	EDE Data Load/Correction Processing, 2005-2006 ISIR Print Changes, 2004-2005 Direct Loan Comparison, CSS PROFILE, INAS IM/EFM, Additional Information for COD Processing	January 2005
7.1.1	2005-2006 Final FM INAS, 2005-2006 Pell Grant Schedules, Transfer Student Monitoring	February 2005
7.2	COD Full Participant, Loan Processing Enhancements, 2005-2006 Final FM INAS, 2005-2006 Pell Grant Schedules, Transfer Student Monitoring	April 2005
7.2.1	2004-2005 FISAP	July 2005
7.3	2004-2005 FISAP, Logging Enhancements, ISIR Correction/Request Enhancements, Disbursement Process Enhancement, 2005-2006 Direct Loan Compare (RPRCP06), Miscellaneous	August 2005
7.3.1	CSS PROFILE, INAS IM/EFM, Loan Changes, Applicant Requirements API, Miscellaneous Validation Methodology	October 2005

Release Number	Contents	Release Date
7.4	EDE Data Load/Correction Processing, Transfer Monitoring Update, 2005-2006 and 2006-2007 ISIR Print Changes, RJIREVO/GJIREVO and DBMS Pipe Changes, Miscellaneous Validation, Disbursement Pipe Enhancement	January 2006
7.4.1	2006-2007 Final FM INAS, 2006-2007 Pell Grant Schedules, COD Student Identifier Comparison, Miscellaneous	February 2006
7.5	COD Updates, Miscellaneous Enhancements	April 2006
7.5.1	New Grant Programs, Direct PLUS Loans for Graduate and Professional Students, CommonLine PLUS Loans for Graduate and Professional Students, Title IV Refunding	June 2006
7.6	HERA Updates, 2005-2006 FISAP, 2006-2007 Direct Loan Compare, Dataload Generated ID Creation, California Community College MIS Updates	August 2006
7.6.1	CSS PROFILE, INAS IM/EFM, New Federal Loan Limits, Miscellaneous Enhancements	October 2006
7.6.2	COD Processing for ACG/SMART Grants	December 2006
7.7	Electronic Data Exchange, Transfer Monitoring, 2007-2008 ISIR Print Changes, ACG/SMART Grants, Disbursement Validation	January 2007
7.7.1	2007-2008 Final FM INAS, CSS INAS Technical Upgrade #2, 2006-2007 Pell Grant Schedules	February 2007
7.8	COD, Awarding APIs, Excluding Contracts and Exemptions, Federal School Code	April 2007
7.8.1	Batch Posting Award Validation Override, Award Rescheduling Change	May 2007

Release Number	Contents	Release Date
7.9	2006-2007 FISAP, Packaging Process (RPEPKG) and Disbursement Process (RPEDISB) Enhancement, Award by Term Adjustment Enhancement, ACG and SMART Grant Degree Validation Enhancement, 2007-2008 Direct Loan Compare (RPRCP08), User-Defined Fields Enhancement, New Disbursement Validation Report (RPRVDIS), Loan Enhancements, Applicant Comments Enhancement	August 2007
7.9.1	CSS PROFILE, INAS IM/EFM	October 2007

1 Miscellaneous Enhancements



PIN Maintenance

Banner General Release 8.0 includes an enhancement for user PIN (password) security. The following functionality is included in this enhancement.

- PINs are now stored only in encrypted form.

A cryptographic hash transforms the PIN before it is stored, so that the unencrypted password can never be retrieved from the database. For additional security, the PIN is “salted” before it is encrypted; that is, a randomly generated string is added to the PIN before encryption. When a user enters a PIN to gain access to the system, the user’s entered PIN is transformed using the same cryptographic PIN. The database checks for a match before the user can proceed.

- Institutions can now set and enforce standards for strong passwords.

Strong passwords are passwords which are long, complex, and nearly impossible to guess. Your institution can enforce strong password standards based on: the minimum and maximum permissible length of user PINs, the requirement that PINs include letters, digits, or both letters and digits, and the restriction of PIN reuse (number of days before a previous PIN can be reused).

- A new, more secure PIN reset mechanism has been established.

When a user forgets a password, the PIN reset can be requested by answering a series of security questions with answers that the user has previously provided. You can also decide whether users are allowed to generate their own security questions, or whether they must use standard questions established by the institution. The user’s answers are stored in encrypted form, just like the PIN.

A new PIN Questions Form (GOAQSTN) is included in this enhancement. The Enterprise PIN Preferences Form (GUAPPRF), the Third Party Access Form (GOATPAC), and the Third Party Access Audit Form (GOATPAD) have been modified for the PIN security updates.

Please refer to the *Banner General 8.0 Release Guide* for more information on this enhancement.

Supplemental Data Engine

Supplemental Data Engine (SDE) is a simple way to add data fields to Banner forms. SDE allows you to store data that is not part of the existing Banner data model. For example, SDE can be used for the following:

- To add a comments field to record miscellaneous notes
- To add data that has been translated into different languages

No customization of Banner forms or tables is needed to capture and use additional data with SDE. The new data is displayed in a popup window, the Supplemental Data Window, and is stored in a supplemental data table. Because no customization is needed, supplemental data is generally not impacted by Banner upgrades.

Each supplemental data record created through SDE is tied to a specific Banner table, so any forms using that table will be able to access the same data through the Supplemental Data Window. Through SDE you can create additional fields associated with a specific Banner table but stored in a separate table, the Supplemental Data Table.



Tip

A new lightbulb icon on the Banner toolbar indicates the presence of supplemental data. You can click the lightbulb to open the Supplemental Data Window.

Although it is natural to think of supplemental data in terms of extra fields on Banner forms, SDE is tied to forms only indirectly.

There are several limitations of SDE, including the following.

- Not all tables, blocks, and forms work with SDE.
- The combination of SDE with Virtual Private Database (VPD) for use in Multi-Entity Processing is currently not supported.
- Masking is not currently supported with SDE. Supplemental data fields cannot be masked, concealed, or hidden.

For complete information about SDE, including detailed descriptions of the new forms, refer to the *Banner General 8.0 Release Guide*.

Partial Data Masking

Banner 7.0 introduced the ability to hide, conceal, or mask the full contents of a field containing sensitive information. In addition, number and date fields could be partially masked. For example, you could choose to display the month and date of a birthdate while masking the year. This solution required custom programming and was not usable in some forms and fields.

With Banner 8.0, the ability to partially mask a field has been extended to character fields. You can allow a specified number of characters at the right side or the left side of the field to remain readable, while the rest of the value is masked. For example, you can choose to mask most of a Social Security Number field, while leaving just a few characters readable to allow a user to verify that the number in the field is the correct one.

This new partial character masking solution can be set up as easily as any other masking option, and replaces the limited character masking solution provided with Release 7.0.

To support partial character masking, two new fields have been added to the Data Display Mask Rules Form (GORDMSK).

- **Partial Character Mask**
- **Partial Unmasked Length**

 **Note**

For character items, the **Format Mask** field has been disabled. Instead of entering a format mask, you can use the **Partial Character Mask** and **Partial Unmasked Length** fields to mask a portion of the character data. ■

For additional detailed information about partial data masking, please refer to the *General 8.0 Release Guide*.

Documentation Changes

With the release of Banner 8.0, you will notice significant changes to the documentation.

- The look and feel of the documentation has been modernized. This new design incorporates new fonts, increased character size, and color to make the manuals easier to read and to use.
- Detailed forms information has been moved from the user guides into online help. This change will dramatically reduce the size of all user guides delivered with Banner 8.0. A standalone version of the forms information in html format will also be delivered with the release, so you can continue to access forms information directly without first logging into Banner.
- For some products, defects information in the release guide now includes an abbreviated description of each defect correction. For additional details, refer to the supplemental text file delivered along with your release guides. This text file includes detailed problem, impact, and resolution information for each defect extracted directly from the Customer Support Center.
- Each manual now includes a publication date that reflects the actual month and year of publication. Any document that is revised will include an updated publication date to make it easier to identify revised materials.
- A revision history log has been added to the copyright page of each manual to identify any revised versions and associated changes.
- A link to a feedback form has been added to the copyright page of each manual, in the bookmarks of all PDF files, and into online help to enable you to provide input about the documentation.
- A new API/ERD Index provides a single starting point for HTML-based API documentation and Entity Relationship Diagrams. This new file will be available on the Customer Support Center as *api-erd_ig.zip*.

2 Algorithmic Packaging - Functional



Overview

Packaging is a fundamental activity for all Financial Aid offices in the administration of financial aid. Key to leveraging scarce financial resources to attract the targeted incoming class each year, as well as successfully supporting the enrollment management retention goals, is the ability to systematically package students according to an institution's awarding philosophy. A cornerstone of Enrollment Management, packaging should provide the ability to match the institution's awarding philosophy directly to the actual awards offered to the prospective students in order to successfully harvest the ideal class and award returning students accordingly. If an institution cannot package according to their awarding philosophy, they are forced to sacrifice their philosophy and yield rates based on the limitations of software functionality or perhaps continue to package students manually. Manual packaging is not reasonable for most institutions since it is a cumbersome process and lends itself to errors.

Algorithmic packaging allows clients to use a business rules engine to automatically package students in accordance with the institution's awarding philosophy. In addition to the algorithmic packaging business rules solution, many other changes have been made to enhance the packaging process.

Algorithmic Packaging Features

This enhancement is designed to facilitate the use of algorithmic packaging with the Banner Financial Aid baseline product. Forms and processes have been added or modified to provide a more complete means of automatically packaging students through the use of new algorithmic packaging forms in conjunction with pre-existing Banner Financial Aid rules forms. In addition, there are also client-requested packaging enhancements that have been addressed with the 8.0 release. The information that follows summarizes these features.

Algorithms

Banner Financial Aid now includes an algorithmic packaging solution in the baseline product. Algorithms can be performed at the fund level in addition to the packaging group level.

Algorithmic Packaging

- Enables predictive modeling to support an institution's enrollment.
- Provides a management strategy to help an institution manage complex calculations to award the right funds to the right students.
- Allows an institution to package multiple financial aid awards based upon configurable rules and calculations that support an institution's awarding philosophies.
- Includes the addition of new functionality to allow the use of algorithms as part of the fund awarding sequence within the current packaging process.

Algorithmic Packaging Definition

End user creation of a set of ordered rules or steps for the automatic packaging of financial aid funds. The rules or steps allow the use of mathematical expressions as part of the awarding rules and logic for a particular fund within a packaging group based upon data elements within the student and/or financial aid system.

Example

Award Fund 1 with a maximum of \$1,000 and minimum of \$200 not to exceed unmet need
Award Fund 2 up to 50% of Fund 1, not to exceed unmet need
Award Fund 3 up to 25% of Fund 1 total + 25% of Fund 2 total, not to exceed unmet need
Award Fund 4 up to 70% of remaining unmet need, not to exceed the total of Fund 1
Award Fund 5 up to 100% of remaining unmet need

Note

All the rules and steps utilize the fund award rules as the overall master rule for fund eligibility. ■

New Forms

Algorithmic Packaging Rules Form (RPRALGR)

The RPRALGR Form enables you to use algorithmic packaging rules to award funds. On this form, you write SQL statements to define algorithmic packaging rules, which are arranged by rule code and sequence number.

Once you've validated the rule, you can test the rule by entering values for any substitution parameters used in the rule and execute the rule in test mode. The system uses your need analysis data in the testing of your algorithmic rules and temporarily stores the simulated results in the Temporary Packaging Need Table (RPTNEED). The results display in the **Calculated Amount** field. This allows you to verify that the rule will return the expected results when used by the Packaging Process.

Algorithmic Packaging Rule Code Validation Form (RTVALGR)

The RTVALGR Form enables you to define algorithmic packaging rule codes for use on the Algorithmic Packaging Rules Form (RPRALGR), Packaging Rules Form (RPRPCKR) and Packaging Group Fund Rules Form (RPRGFND).

(CMS-RPE380, CMS-RPE5970)

Packaging Functions

Using algorithms and parameters, functions include calculations based upon:

- a percentage of a fund award,
- a fixed dollar amount of a fund award
- a data value housed in the Banner system (less than, equal, greater than, not equal), and
- a value that falls within a range of values housed in the Banner system (Between).

(CMS-RPE380)

Awarding Based on Other Funds

Using algorithms and parameters, you can now limit funds to specific amounts based upon other funds, fund sources, or fund groups. Refer to the Sample Algorithmic Packaging Rules section for examples.

Award a Fund Based on a Percentage of Another Fund

You can now award a fund based on a percentage of other funds within a packaging group (CMS-RPE402).

Simplification of Rules Creation and Maintenance

Using algorithms and parameters, rules creation and maintenance was simplified in order to reduce the number of packaging groups required. Algorithms can be performed at the packaging group level, in addition to the fund level. (CMS-RPE45658)

Ability to Store and Reference Internal Interim Values in Packaging Rules

The Algorithmic Packaging Rules Form (RPRALGR) allows you to reference internal interim values in SQL statements. These internal interim values are created and referenced in the new Temporary Packaging Need Table (RPTNEED) table. The RPTNEED table is a temporary table which temporarily stores need analysis data for use in algorithmic packaging rules. A row is inserted into the table for each student that is processed prior to packaging the student and is deleted after the student is processed. (CMS-RPE3577, CMS-RPE47677)

New Packaging Simulation Options

The Packaging Process (RPEPCKG) now includes parameters that allow the process to:

- bypass tracking requirements during Simulated Packaging only,
- to award Pell in both Simulated and Actual mode, and
- to stop the awarding of an individual fund during simulated packaging, when that fund's available amount has been exhausted.

(CMS-RPE23984, CMS-RPE403)

Fund Enhancements

New Forms

Packaging Group Fund Category Maximums Rules Form (RPRFCAT)

The Packaging Group Fund Category Maximums Rules Form allows you to place fund category maximums on packaging groups.

Fund Category Validation Form (RTVFCAT)

This form enables you to define fund categories for use on the Fund Base Data Form (RFRBASE).

Fund Award Inquiry Form (RPIFAWD)

The Fund Award Inquiry Form enables you to view all students who have a particular fund for a particular aid year.

Fund Award Term Inquiry (RPIFTRM)

The Fund Award Term Inquiry Form enables you to view all students with a particular fund for a particular term.

Group Fund Limits

You can use group fund limits which supersede individual fund limits.

For example, suppose a student has total need of \$10,000 and tuition of \$7,000. Fund #1 has an individual award cap of \$5,000 and Fund #2 also has a cap of \$5,000. However, Funds #1 and #2 are defined in a group, and the group rule is that total aid from all funds in the group cannot exceed tuition. Therefore, the award from Fund #1 would be \$5,000 but Fund #2 is limited to \$2,000 because of the group cap. The remaining \$3,000 of unmet need must be met from funds outside the group.

Ability to Apply a Percentage to All the Funds in the Package as a Group

The issue of the original unmet need or gross need not being used throughout the packaging process is addressed by taking a defined percentage of remaining need or gross need and awarding the funds so the original percentage is not exceeded. For example, if remaining need is 5,375 and the percentage of remaining need to award is 85%. The sum of the funds packaged should not exceed 4,568. (CMS-RPE3402)

Rounding Options for Awards

The **Round Award** field on the Fund Management Form (RFRMGMT) enables you to specify how you want to round the award. The RPEPKG process rounds the award down to a multiple of this amount to prevent an overaward. This field had fixed rounding amounts of 10, 25, 50, or 100. The valid values for this field are now 1 – 99999, for increased rounding flexibility. (CMS-RPE20776, CMS-RPE26973)



Note

An install script converts values from `RFRASPC_ROUND_AWARD_IND` to the appropriate numerical value for `RFRASPC_ROUND_AWARD_AMT`. ■

Ability to Inactivate Fund Codes, Groups, and Rules

The new **Fund Active** field on the Fund Base Data Form (RFRBASE) and Create and Maintain Funds Form (ROAMGMT) allows you to inactivate a fund code.

You can globally inactivate a budgeting group (RTVBGRP), packaging group (RTVPGRP), requirements tracking group (RTVTGRP), or satisfactory academic progress group (RTVSAPR).

The new **Rule Active** field on the Financial Aid Selection Rule (RORRULE) form allows you to inactivate fund awarding, budget group assignment, fund disbursement, packaging group fund awarding, packaging group assignment, satisfactory academic progress and requirements tracking group rules.

(CMS-RPE447, 1-9C6MJ, CMS-RPE12273)

Ability to Override a Fund Rule for a Specific Student

The new **Fund Award Rule Override** feature on RPAAWRD and RPAAPMT allows you to override a Fund Award Rule, if one exists, for the aid year.

The new **Fund Disbursement Rule Override** feature on RPAAWRD and RPAAPMT allows you to override a Fund Disbursement Rule, if one exists, for the term.

(CMS-RPE5484)

Fund Category and Fund Cross-Reference Fields for Packaging and Reporting

The new **Fund Cross Reference** field enables you to cross reference IDs used for funds by another office. This field is a user-defined field with no validation.

A **Fund Category** field has been added to allow you to group fund codes by a user-defined category.

(CMS-RPE45670, CMS-RPE29814)

Fund Balance Roll Process (RFPFBRL)

The new RFPFBRL process provides the ability to optionally roll fund balances from one aid year to the next aid year.

Ability to View a Fund Description on the Packaging Group Fund Rules Form

You can now see a short description for each fund on the Packaging Group Fund Rules Form (RPRGFND). (CMS-RPE15241)

Long Description Field Added to RFRBASE and ROAMGMT Forms

A **Long Description** field has been added to the Fund Base Data Form (RFRBASE) and Create and Maintain Funds Form (ROAMGMT) to enable you to store longer fund descriptions and see the entire fund description at a glance. (CMS-RPE28015, 1-2FT7CB)

New Accounts Receivable Detail Code Active Indicator

The **Detail Code Active** field has been added to the Fund Base Data Form (RFRBASE) and Create and Maintain Funds Form (ROAMGMT) to allow you to see if a detail code associated with a fund is active in Banner Accounts Receivable. (CMS-RPE35991)

Ability to Display All Recipients of a Particular Fund Code by Aid Year or Term

The Fund Award Inquiry Form (RPIFAWD) enables you to view all students who have a particular fund for a particular aid year.

The Fund Award Term Inquiry Form (RPIFTRM) enables you to view all students with a particular fund for a particular term.

(CMS-RPE3861, CMS-RPE5847, CMS-RPE34424)

Other Enhancements

Prevent Groups from Being Deleted if Associated Rules Exist

Duplicate codes were allowed to exist on the RTVBGRP, RTVPGRP, and RTVTGRP Forms. However, constraints were not in place to prevent the deletion of the code from the validation table/form when rules existed on the Financial Aid Selection Rules Form (RORRULE) for that code (RORGDAT, RORGSQ, RORCMPL tables) You can no longer delete a group if associated rules exist for budgeting, packaging, requirements tracking, or satisfactory academic progress. (CMS-RPE33036)

Ability to Inactivate a Tracking Requirement

The **Active** (RTVTREQ_ACTIVE_IND) field has been added to the Requirements Tracking Validation Form (RTVTREQ) to allow you to activate or inactivate a requirements tracking code for all aid years. (CMS-RPE36563)

Expansion of Priority Fields

The priority fields on the following forms have been expanded from 3 to 6 digits. (RPE 1-NXFLY)

- RPRGFND
- RTVBGRP
- RTVPGRP
- RTVSAPR
- RTVTGRP

Sample Algorithmic Packaging Rules

The examples that follow demonstrate how you might use the Algorithmic Packaging Rules Form (RPRALGR) to set up business rules for your institution.

Refer to the New Forms and Changed Forms sections for detailed form and field information.

Example 1 - Institutional Grant with Amounts Based on GPA and IM EFC Ranges

The following information provides an example of the calculation of an institutional grant with amounts based on GPA and IM EFC ranges.

The rule uses three mutually exclusive sequences to award \$5000 to the student if their EFC is <10,000 and their GPA is at least 4.0, \$2500 if their EFC is <10,000 and GPA is at least 3.5, and \$1500 if their EFC is <10,000 and their GPA is at least 3.0. Subsequent sequences are evaluated only if the prior sequences fail.

This example uses the Temporary Packaging Table (RPTNEED). The RPTNEED table is populated for a financial aid recipient by the Packaging Process (RPEPCKG) prior to packaging the student. Any row created on this table is inserted for a student, used, and then deleted. The table is also populated when you use the Test Rule button on the Algorithmic Packaging Rules Form (RPRALGR).

The `f_get_gpa` function is for illustrative purposes only. This function is not a SunGard Higher Education-delivered function; the `f_get_gpa` function illustrates the use of a client-created function within the rules.

Field	Value
Rule	GPA_EFC_RULE
Sequence	1
SQL Statement	<pre>SELECT 5000 FROM DUAL WHERE EXISTS (SELECT 'X' FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_IM_EFC < 10,000) AND f_get_gpa(:AIDY, :PIDM) >= 4.0</pre>

Field	Value
Rule	GPA_EFC_RULE
Sequence	2
SQL Statement	<pre>SELECT 2500 FROM DUAL WHERE EXISTS (SELECT 'X' FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_IM_EFC < 10,000) AND f_get_gpa(:AIDY, :PIDM) >= 3.5</pre>

Field	Value
Rule	GPA_EFC_RULE
Sequence	3
SQL Statement	<pre>SELECT 1500 FROM DUAL WHERE EXISTS (SELECT 'X' FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_IM_EFC < 10,000) AND f_get_gpa(:AIDY, :PIDM) >= 3.0</pre>

Example 2 - SEOG Award Calculation Based on Pell Award Amounts for the Year

This case illustrates how you can create a rule for a fund which is based on another fund award for the year. For example, you can base the calculation of an SEOG award on Pell award amounts for the year. This example assumes you use a single fund code for all Pell awards.

In this example, \$2000 is awarded for SEOG when the student's Pell award is less than or equal to \$4300 but more than \$3000; \$1500 SEOG is awarded when the Pell award is less than or equal to \$3000 but more than \$1500; and \$1000 SEOG is awarded when the Pell award is less than or equal to \$1500 but greater than 0.

Field	Value
Rule	SEOG_CALC_1
Sequence	1
SQL Statement	<pre> SELECT 2000 FROM DUAL WHERE EXISTS (SELECT 'X' FROM RPAWRD WHERE RPAWRD_AIDY_CODE = :AIDY AND RPAWRD_PIDM = :PIDM AND RPAWRD_OFFER_AMT <= 4310 AND RPAWRD_OFFER_AMT > 3000 AND RPAWRD_FUND_CODE = 'PELL')</pre>

Field	Value
Rule	SEOG_CALC_1
Sequence	2
SQL Statement	<pre> SELECT 1500 FROM DUAL WHERE EXISTS (SELECT 'X' FROM RPAWRD WHERE RPAWRD_AIDY_CODE = :AIDY AND RPAWRD_PIDM = :PIDM AND RPAWRD_OFFER_AMT <= 3000 AND RPAWRD_OFFER_AMT > 1500 AND RPAWRD_FUND_CODE = 'PELL')</pre>

Field	Value
Rule	SEOG_CALC_1
Sequence	3
SQL Statement	<pre> SELECT 1000 FROM DUAL WHERE EXISTS (SELECT 'X' FROM RPAWRD WHERE RPAWRD_AIDY_CODE = :AIDY AND RPAWRD_PIDM = :PIDM AND RPAWRD_OFFER_AMT <= 1500 AND RPAWRD_OFFER_AMT > 0 AND RPAWRD_FUND_CODE = 'PELL') </pre>

Example 3 - SEOG Award Calculation Based on Pell Award Amounts for the Year while using Baseline Database Functions

This case illustrates how you can create a rule for a fund which is based on another fund award for the year. For example, you can base the calculation of an SEOG award on Pell award amounts for the year.

This example is similar to Example 2 but uses baseline database functions delivered with Banner Financial Aid (see the Algorithmic Packaging - Technical section). This example uses the Temporary Packaging Table (RPTNEED). Inserts to the RPTNEED table are done automatically by the RPEPKG process during packaging. During that insert, the Simulate Switch (RPTNEED_SIMULATE_SW) is set - depending on whether you are performing Actual or Simulated packaging. The Simulate Switch indicates whether or not this row was created during simulated packaging.

This allows you to write an algorithmic rule that is based on the RPAWRD Award table during Actual packaging, and based on the RPTAWRD Temporary Award table during Simulated packaging. The `f_get_fund_offer` function uses the `RPTNEED_SIMULATE_SW` to determine which table to use for the calculation.

Field	Value
Rule	SEOG_CALC_2
Sequence	1
SQL Statement	<pre> SELECT 2000 FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND rpka1gr.f_get_fund_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) <= 4310 AND rpka1gr.f_get_fund_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) > 3000 </pre>

Field	Value
Rule	SEOG_CALC_2
Sequence	2
SQL Statement	<pre> SELECT 2000 FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND rpka1gr.f_get_fund_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) <= 3000 AND rpka1gr.f_get_fund_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) > 1500 </pre>

Field	Value
Rule	SEOG_CALC_2
Sequence	3
SQL Statement	<pre> SELECT 1000 FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND rpka1gr.f_get_fund_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) <= 1500 AND rpka1gr.f_get_fund_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) > 0 </pre>

Example 4 - SEOG Award Calculation Based on Pell Award Amounts for the Year while using Multiple Pell Fund Codes

This example creates a rule for a fund which is based on the total award for a federal fund ID for the year. For example, you can base the calculation of an SEOG award on Pell award amounts for the year. This example assumes the institution uses multiple Pell fund codes.

In this example, \$2000 is awarded for SEOG when the student has funds awarded with federal fund IDs of PELL whose total amount is between \$3001 and \$4310; \$1500 is awarded for SEOG when the student has funds awarded with federal fund IDs of PELL whose total amount is between \$1501 and \$3000; \$1000 is awarded for SEOG when the student has funds awarded with federal fund IDs of PELL whose total amount is between \$1 and \$1500.

Field	Value
Rule	SEOG_CALC_3
Sequence	1
SQL Statement	<pre> SELECT 2000 FROM DUAL WHERE (SELECT SUM(NVL(RPWARD_OFFER_AMT,0) FROM RPWARD WHERE RPWARD_AIDY_CODE = :AIDY AND RPWARD_PIDM = :PIDM AND RPWARD_FUND_CODE IN (SELECT RFRBASE_FUND_CODE FROM RFRBASE WHERE RFRBASE_FED_FUND_ID = 'PELL')) <= 4310 AND (SELECT SUM(NVL(RPWARD_OFFER_AMT,0) FROM RPWARD WHERE RPWARD_AIDY_CODE = :AIDY AND RPWARD_PIDM = :PIDM AND RPWARD_FUND_CODE IN (SELECT RFRBASE_FUND_CODE FROM RFRBASE WHERE RFRBASE_FED_FUND_ID = 'PELL')) > 3000 </pre>

Field	Value
Rule	SEOG_CALC_3
Sequence	2
SQL Statement	<pre> SELECT 1500 FROM DUAL WHERE (SELECT SUM(NVL(RPWARD_OFFER_AMT,0) FROM RPWARD WHERE RPWARD_AIDY_CODE = :AIDY AND RPWARD_PIDM = :PIDM AND RPWARD_FUND_CODE IN (SELECT RFRBASE_FUND_CODE FROM RFRBASE WHERE RFRBASE_FED_FUND_ID = 'PELL')) <= 3000 AND (SELECT SUM(NVL(RPWARD_OFFER_AMT,0) FROM RPWARD WHERE RPWARD_AIDY_CODE = :AIDY AND RPWARD_PIDM = :PIDM AND RPWARD_FUND_CODE IN (SELECT RFRBASE_FUND_CODE FROM RFRBASE WHERE RFRBASE_FED_FUND_ID = 'PELL')) > 1500 </pre>

Field	Value
Rule	SEOG_CALC_3
Sequence	3
SQL Statement	<pre> SELECT 1000 FROM DUAL WHERE (SELECT SUM(NVL(RPWARD_OFFER_AMT,0) FROM RPWARD WHERE RPWARD_AIDY_CODE = :AIDY AND RPWARD_PIDM = :PIDM AND RPWARD_FUND_CODE IN (SELECT RFRBASE_FUND_CODE FROM RFRBASE WHERE RFRBASE_FED_FUND_ID = 'PELL')) <= 1500 AND (SELECT SUM(NVL(RPWARD_OFFER_AMT,0) FROM RPWARD WHERE RPWARD_AIDY_CODE = :AIDY AND RPWARD_PIDM = :PIDM AND RPWARD_FUND_CODE IN (SELECT RFRBASE_FUND_CODE FROM RFRBASE WHERE RFRBASE_FED_FUND_ID = 'PELL')) > 0 </pre>

Example 5 - SEOG Award Calculation Based on Pell Award Amounts for the Year while using Multiple Pell Fund Codes and while using Baseline Database Functions

This case illustrates how you can create a rule for a fund which is based on another fund award for the year. For example, you can base the calculation of an SEOG award on Pell award amounts for the year. This example assumes you use multiple Pell fund codes.

This example is similar to Example 4 but uses baseline database functions delivered with Banner Financial Aid. This example uses the Temporary Packaging Table (RPTNEED). Inserts to the RPTNEED table are done automatically by the RPEPCKG process during packaging. During that insert, the Simulate Switch (RPTNEED_SIMULATE_SW) is set - depending on whether you are performing Actual or Simulated packaging. The Simulate Switch indicates whether or not this row was created during simulated packaging.

This allows you to write an algorithmic rule that is based on the RPRAWRD Award table during Actual packaging, and based on the RPTAWRD Temporary Award table during Simulated packaging. The `f_get_ffid_offer` function uses the `RPTNEED_SIMULATE_SW` to determine which table to use for the calculation.

Field	Value
Rule	SEOG_CALC_4
Sequence	1
SQL Statement	<pre>SELECT 2000 FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND rpka1gr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) <= 4310 AND rpka1gr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) > 3000</pre>

Field	Value
Rule	SEOG_CALC_4
Sequence	2
SQL Statement	<pre> SELECT 1500 FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND rpka1gr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) <= 3000 AND rpka1gr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) > 1500 </pre>

Field	Value
Rule	SEOG_CALC_4
Sequence	3
SQL Statement	<pre> SELECT 1000 FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND rpka1gr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) <= 1500 AND rpka1gr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) > 0 </pre>

Example 6 - Calculating Perkins Loans as a Percentage of Pell

This case illustrates how you can create a rule for a fund which is based on another fund award for the year. For example, this rule calculates a Perkins Loan as a percentage of Pell.

In this example, Perkins would be awarded for 75% of the student's Pell award if the student's Pell award was between \$3001 and \$4310; 50% of the student's Pell award if the student's Pell award was between \$1501 and \$3000; 25% of the student's Pell award if the student's Pell award was between \$1 and \$1500.

Field	Value
Rule	PERK_CALC
Sequence	1
SQL Statement	<pre>SELECT .75 * rpkalgr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND rpkalgr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) <= 4310 AND rpkalgr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) > 3000</pre>

Field	Value
Rule	PERK_CALC
Sequence	2
SQL Statement	<pre> SELECT .50 * rpka1gr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND rpka1gr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) <= 3000 AND rpka1gr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) > 1500 </pre>

Field	Value
Rule	PERK_CALC
Sequence	3
SQL Statement	<pre> SELECT .25 * rpka1gr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND rpka1gr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) <= 1500 AND rpka1gr.f_get_ffid_offer (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) > 0 </pre>

Example 7 - Calculation for a State Fund which has a Range of Offer Amounts Based on a Percentage of Need and Various Ranges of Cost of Attendance and EFC

This case illustrates how you create a rule for a fund which has a range of offer amounts based on a percentage of need and various ranges of Cost of Attendance and EFC. In this example, the rule also has defined minimum and maximum amounts. If the calculated award falls below the minimum amount defined for the rule, no award is made. If the calculated award is greater than the maximum amount defined for the rule, the maximum amount is awarded, rather than the calculated amount.

In this example, the student would receive a State grant of 47% of their unmet need at the time the packaging process begins (minimum of \$500 and maximum of \$4300) if the EFC is between \$1 and \$4000 and their Budget is between \$18001 and \$24000; 37% of their unmet need at the time the packaging process begins (minimum of \$500 and maximum of \$4300) if the EFC is between \$4001 and \$6000 and their Budget is between \$18001 and \$24000; 27% of their unmet need at the time the packaging process begins (minimum of \$500 and maximum of \$4300) if the EFC is greater than \$6000 and their Budget is between \$18001 and \$24000; 47% of their unmet need at the time the packaging process begins (minimum of \$500 and maximum of \$4700) if the EFC is between \$1 and \$4000 and their Budget is between \$24001 and \$26000; 37% of their unmet need at the time the packaging process begins (minimum of \$500 and maximum of \$4700) if the EFC is between \$4001 and \$6000 and their Budget is between \$24001 and \$26000; 27% of their unmet need at the time the packaging process begins (minimum of \$500 and maximum of \$4700) if the EFC is greater than \$6000 and their Budget is between \$24001 and \$26000.

Also note in this example that the RPTNEED table has several Unmet Need Amount columns. This example uses the RPTNEED_BEG_UNMET_NEED_AMT column. (The beginning value of the student's FM unmet need when the packaging process is run.) This number is calculated when the packaging process starts processing a student, and remains fixed. So the resulting calculated amount will be the same regardless of what priority the STATE_CALC_1 fund has in the packaging group. If the rule had used RPTNEED_UNMET_NEED_AMT, the resulting calculated amount would differ, depending on which funds and amounts were awarded to the student during the packaging process before the STATE_CALC_1 rule was executed.

Note

To keep algorithmic rules as simple as possible, only conditions which determine the actual amount of an award should be included in algorithmic rules. Conditions which determine the overall eligibility of the student for an award should continue to be defined on the Financial Aid Selection Rules Form (RORRULE).

For example, suppose an institution has a state grant which requires that the student actually reside in the state. The residency condition could be defined as a Fund Awarding rule on the RORRULE Form, since it isn't actually required to determine the amount of the award. (See state grant Example 7 below).

Another institution may have a grant program which awards larger amounts for in-state students. The residency condition would need to be included in the algorithmic rule which calculates the amount of the grant. (See state grant Example 8 below). ■

Field	Value
Rule	STATE_CALC_1
Sequence	1
SQL Statement	<pre>SELECT .47 * RPTNEED_BEG_UNMET_NEED_AMT FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_FM_EFC_AMT > 0 AND RPTNEED_FM_EFC_AMT <= 4000 AND RPTNEED_BUDGET_AMOUNT >= 18001 AND RPTNEED_BUDGET_AMOUNT <= 24000</pre>
Award Minimum	500
Award Maximum	4300

Field	Value
Rule	STATE_CALC_1
Sequence	2
SQL Statement	<pre>SELECT .37 * RPTNEED_BEG_UNMET_NEED_AMT FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_FM_EFC_AMT > 4000 AND RPTNEED_FM_EFC_AMT <= 6000 AND RPTNEED_BUDGET_AMOUNT >= 18001 AND RPTNEED_BUDGET_AMOUNT <= 24000</pre>
Award Minimum	500
Award Maximum	4300

Field	Value
Rule	STATE_CALC_1
Sequence	3
SQL Statement	<pre>SELECT .27 * RPTNEED_BEG_UNMET_NEED_AMT FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_FM_EFC_AMT > 6000 AND RPTNEED_BUDGET_AMOUNT >= 18001 AND RPTNEED_BUDGET_AMOUNT <= 24000</pre>
Award Minimum	500
Award Maximum	4300

Field	Value
Rule	STATE_CALC_1
Sequence	4
SQL Statement	<pre>SELECT .47 * RPTNEED_BEG_UNMET_NEED_AMT FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_FM_EFC_AMT > 0 AND RPTNEED_FM_EFC_AMT <= 4000 AND RPTNEED_BUDGET_AMOUNT > 24000 AND RPTNEED_BUDGET_AMOUNT <= 26000</pre>
Award Minimum	500
Award Maximum	4700

Field	Value
Rule	STATE_CALC_1
Sequence	5
SQL Statement	<pre>SELECT .37 * RPTNEED_BEG_UNMET_NEED_AMT FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_FM_EFC_AMT > 4000 AND RPTNEED_FM_EFC_AMT <= 6000 AND RPTNEED_BUDGET_AMOUNT > 24000 AND RPTNEED_BUDGET_AMOUNT <= 26000</pre>
Award Minimum	500
Award Maximum	4700

Field	Value
Rule	STATE_CALC_1
Sequence	6
SQL Statement	<pre>SELECT .27 * RPTNEED_BEG_UNMET_NEED_AMT FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_FM_EFC_AMT > 6000 AND RPTNEED_BUDGET_AMOUNT > 24000 AND RPTNEED_BUDGET_AMOUNT <= 26000</pre>
Award Minimum	500
Award Maximum	4700

Example 8 - Calculation for a State Fund which has a Range of Offer Amounts Based on EFC and Whether a Student is In-State or Out-of-State

This case illustrates how you create a rule for a fund which has a range of offer amounts based on EFC and whether a student is in-state or out-of-state. (Assume the institution is in Illinois.)

In this example, the student would be awarded a State grant for \$2000 if their FM EFC amount was \$5000 or less and their state of residence was Illinois; \$1000 if their FM EFC amount was \$5000 or less and their state of residence was not Illinois.

Field	Value
Rule	STATE_CALC_2
Sequence	1
SQL Statement	<pre>SELECT 2000 FROM RPTNEED, RCRAPP1 WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_FM_EFC_AMT <= 5000 AND RCRAPP1_STAT_CODE = 'IL' AND RCRAPP1_AIDY_CODE = RPTNEED_AIDY_CODE AND RCRAPP1_PIDM = RPTNEED_PIDM AND RCRAPP1_CURR_REC_IND = 'Y'</pre>

Field	Value
Rule	STATE_CALC_2
Sequence	2
SQL Statement	<pre> SELECT 1000 FROM RPTNEED, RCRAPP1 WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_FM_EFC_AMT <= 5000 AND RCRAPP1_STAT_CODE <> 'IL' AND RCRAPP1_AIDY_CODE = RPTNEED_AIDY_CODE AND RCRAPP1_PIDM = RPTNEED_PIDM AND RCRAPP1_CURR_REC_IND = 'Y' </pre>

Example 9 - Calculate an Equity Packaging Amount Based on Both Gross Need and Budget

The preceding examples are all rules that might be defined for use on the Packaging Group Fund Rules Form (RPRGFND) to calculate award amounts for individual funds. You can also define rules which you can use on the Default Packaging Rules Form (RPRDEFR) and the Packaging Rules Form (RPRPCKR) to give additional flexibility in defining GAP, Equity, and Self-Service amounts. In the past, you could only define fixed Amounts, Percent of Budget, or Percent of Gross Need on those forms. You can now use an algorithmic rule for more complex calculations as in the following example.

If this rule was used on RPRPCKR, the equity level for the packaging group would be as follows: 50% of FM gross need if FM gross need was greater than \$5000 and the budget \$10000 or greater; 40% of FM gross need if FM gross need was greater than \$5000 and the budget was less \$10000; 30% of FM gross need if FM gross need was \$5000 or less and the budget was greater than \$10000; 20% of FM gross need if FM gross need was \$5000 or less and the budget was \$10000 or less. This would set the overall equity level for the student in a particular packaging group so any equity funds defined on RPRGFND would not exceed these totals. Also, in this example, if the institution has used an algorithmic rule on RPRGFND for one of the equity funds, the rule on RPRPCKR is processed first then any rules on RPRGFND are processed.

Field	Value
Rule	EQUITY_CALC
Sequence	1
SQL Statement	<pre>SELECT .50 * RPTNEED_GROSS_NEED_AMT FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_GROSS_NEED_AMT > 5000 AND RPTNEED_BUDGET_AMOUNT > 10000</pre>

Field	Value
Rule	EQUITY_CALC
Sequence	2
SQL Statement	<pre>SELECT .40 * RPTNEED_GROSS_NEED_AMT FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_GROSS_NEED_AMT > 5000 AND RPTNEED_BUDGET_AMOUNT <= 10000</pre>

Field	Value
Rule	EQUITY_CALC
Sequence	3
SQL Statement	<pre>SELECT .30 * RPTNEED_GROSS_NEED_AMT FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_GROSS_NEED_AMT <= 5000 AND RPTNEED_BUDGET_AMOUNT > 10000</pre>

Field	Value
Rule	EQUITY_CALC
Sequence	4
SQL Statement	<pre>SELECT .20 * RPTNEED_GROSS_NEED_AMT FROM RPTNEED WHERE RPTNEED_AIDY_CODE = :AIDY AND RPTNEED_PIDM = :PIDM AND RPTNEED_GROSS_NEED_AMT <= 5000 AND RPTNEED_BUDGET_AMOUNT <= 10000</pre>

Columns Defined on the Temporary Packaging Need Table (RPTNEED)

The Temporary Packaging Table (RPTNEED) is populated for a financial aid recipient by the Packaging Process (RPEPCKG) prior to packaging the student. Any row created on this table is inserted for a student, used, and then deleted. The table is also populated when you use the Test Rule button on the Algorithmic Packaging Rules Form (RPRALGR).

Column Name	Comment
RPTNEED_AIDY_CODE	AID YEAR CODE: The aid year associated with the need data.
RPTNEED_PIDM	PIDM: The internal system generated student identification number.
RPTNEED_SIMULATE_SW (See note below regarding this column)	SIMULATE SWITCH: Indicates whether or not this row was created during simulated packaging.
RPTNEED_BUDGET_AMOUNT	BUDGET AMOUNT: The amount of the student's cost of attendance.
RPTNEED_RESOURCE_AMOUNT	RESOURCE AMOUNT: The total amount of outside resources used in the applicant's need calculation.
RPTNEED_REPLACE_EFC_AMT	REPLACE EFC AMOUNT: The total amount of the student's awards used to replace the expected family contribution.

Column Name	Comment
RPTNEED_REDUCE_NEED_AMT	REDUCE NEED AMOUNT: The total amount of the student's awards used towards gross need.
RPTNEED_EFC_IND	EFC INDICATOR: The expected family contribution (EFC) to be used in the calculation of need. An "F" indicates FM EFC will be used. An "I" indicates IM EFC will be used.
RPTNEED_EFC_AMT	EXPECTED FAMILY CONTRIBUTION: The student's most recently calculated expected family contribution (EFC).
RPTNEED_FM_EFC_AMT	FM EXPECTED FAMILY CONTRIBUTION: The student's most recently calculated expected family contribution (EFC) using federal methodology (FM).
RPTNEED_GROSS_NEED_AMT	GROSS NEED: The gross need of the applicant defined as budget minus expected family contribution (EFC), minus resources.
RPTNEED_EXCESS_EFC_AMT	EXCESS EFC: The total amount of the student's awards which are designated as replacing EFC but instead are used to reduce need.
RPTNEED_UNMET_NEED_AMT	UNMET NEED: The student's unmet need which is the gross need minus any awards.
RPTNEED_IM_EFC_AMT	IM EXPECTED FAMILY CONTRIBUTION: The student's most recently calculated expected family contribution (EFC) using institutional methodology (IM).
RPTNEED_IM_GROSS_NEED_AMT	IM GROSS NEED: The gross need of the applicant defined as budget minus IM expected family contribution (EFC), minus resources.
RPTNEED_IM_UNMET_NEED_AMT	IM UNMET NEED: The student's unmet need which is the IM gross need minus any awards.
RPTNEED_BEG_UNMET_NEED_AMT	UNMET NEED: The beginning value of the student's FM unmet need when the packaging process is run.
RPTNEED_BEG_IM_UNMET_NEED_AMT	IM UNMET NEED: The beginning value of the student's IM unmet need when the packaging process is run.

RPTNEED_SIMULATE_SW Column

The RPTNEED_SIMULATE_SW column is populated dynamically based on whether RPEPCKG is run in A (Actual) or S (Simulated) mode. If run in A (Actual), the value is N. If run in S (Simulated), the value is Y. When using functions, you can use the RPTNEED_SIMULATE_SW so the packaging process can look at the RPRAWRD (permanent) or RPTAWRD (temporary) tables.

The example below demonstrates how to utilize this column in a rule.

```
Select 1500 from RPTNEED
Where RPTNEED_AIDY_CODE = :aidy
      and RPTNEED_PIDM = :pidm
      and RPKALGR.F_GET_FUND_OFFER
          (:AIDY, :PIDM, 'PELL', RPTNEED_SIMULATE_SW) <4310
```

When RPEPCKG is run in A (Actual), the packaging process examines the permanent tables to obtain the Pell value (this assumes that the Calculate Pell Award parameter is set to Y or Pell has already been awarded).

When RPEPCKG is run in S (Simulated), the packaging process looks at the temporary tables to obtain the Pell value (this also assumes that the Calculate Pell Award parameter is set to Y).

Examples 3, 5 and 6 in the *Sample Algorithmic Packaging Rules* section also demonstrate how this switch can be utilized in rules.

Warning

SunGard Higher Education recommends that you do not use RPTNEED_SIMULATE_SW = 'Y' as a hard-coded value in a rule since inaccurate results could occur if you are packaging in Actual Mode and the temporary tables are not available, or have different values than that which is in the permanent tables. ■

New Functions Defined in the rpkalgr Package

The following section lists the new functions defined in the rpkalgr package that you can use in algorithmic packaging rules.

F_GET_FUND_OFFER

Function to calculate award offer amounts for an aid year, student, and fund code.

```
f_get_fund_offer  
  
    ( p_aidy_code,  
      p_pidm,  
      p_fund_code,  
      p_simulate_sw)
```

F_GET_FFID_OFFER

Function to calculate award offer amounts total for an aid year, student, and federal fund ID.

```
f_get_ffid_offer  
  
    ( p_aidy_code,  
      p_pidm,  
      p_fed_fund_id,  
      p_simulate_sw)
```

F_GET_PRIOR_YEAR_FUND_OFFER

Function to calculate prior year award offer amounts for an aid year, student, and fund code. (The p_aidy_code value is the current year.)

```
f_get_prior_year_fund_offer  
  
    ( p_aidy_code,  
      p_pidm,  
      p_fund_code)
```

F_GET_PRIOR_YEAR_FFID_OFFER

Function to calculate prior year award offer amounts total for an aid year, student, and federal fund id.

```
f_get_prior_year_ffid_offer  
    ( p_aidy_code,  
      p_pidm,  
      p_fed_fund_id)
```

New Forms

Algorithmic Packaging Rules Form (RPRALGR)

The Algorithmic Packaging Rules Form enables you to use algorithmic packaging rules to award funds.

The screenshot shows the 'Algorithmic Packaging Rules RPRALGR 8.0 (s10b80)' window. At the top, 'Aid Year' is set to '0708' and 'Rule' is 'HAL_FSRC'. Below this, there are checkboxes for 'Validated', 'Active', 'Validate', and 'Test Rule'. 'Award Minimum' and 'Award Maximum' are empty text boxes. 'User ID' is 'HWOOD' and 'Activity Date' is '04-OCT-2007'. The 'SQL Statement' field contains a complex SQL query. Below the SQL field are 'Available for Lookup' fields for 'Table', 'Column', and 'Parameter'. At the bottom, there is a 'Copy To' section with 'Aid Year', 'Rule', and 'Sequence' fields, and a 'Copy All Sequences' checkbox.

Key Block

Field	Description
Aid Year	Financial aid processing year. The default for this field is the current aid year or the last aid year accessed on a prior form. Select the List function to access the Aid Year Validation window (ROIAIDY), which lists valid aid years.
Rule	Rule code associated with the algorithmic packaging rule. The Rule code is validated against the Algorithmic Packaging Rule Code Validation Form (RTVALGR).
(Description)	Rule code description that is associated with the Rule code on the Algorithmic Packaging Rule Code Validation Form (RTVALGR).

Rule Block

Save all changes before you select the Validate button. When you click the Validate button, the SQL statement is parsed. This function ensures that the SQL statement is valid. If the SQL statement is valid, the process checks the **Validated** field; if the SQL statement is invalid, an error message is returned.

When you click the Test Rule button, the system accesses a window where you may enter values for any substitution parameters used in the rule and execute the rule in test mode. This allows you to verify that the rule will return the expected results when used by the Packaging Process.

Note

SunGard Higher Education recommends that you build your rules in an editor prior to entering these rules on the RPRALGR Form.

This form allows the use of user-defined functions.

The select statement for the SQL Statement must return a numeric value. Non-numeric results will return an error. ■

Warning

SunGard Higher Education recommends that you do not use the Actual Unmet Need View (RNVAND0) in your SQL statements due to possible performance issues. Instead, use columns from the new RPTNEED table that is included with this release.

SunGard Higher Education also recommends that you do not use RPTNEED in a rule on the RORRULE Form. RPTNEED is a temporary table that is created when the RPEPCKG process begins to process the student, and is deleted when RPEPCKG completes. When the algorithmic rule is tested on RPRALGR, the form creates a temporary RPTNEED row which exists only as long as the user is in the form. The RPTNEED row would exist and provide correct results when running RPEPCKG for the student, but would not be available from RPAAWRD when validating the same award fund, and would not be available when running the rprvawd Award Validation report - thus providing inconsistent results. ■

Field	Description
Sequence	(RPRALGR_SEQ_NO) Algorithmic packaging rule sequence number. (Rules are processed in ascending order but do not need to be sequential.)
Validated	(RPRALGR_VALIDATED_IND) Algorithmic packaging rule validated indicator. A check in this field indicates that the rule has been validated.

Field	Description
Award Minimum	(RPRALGR_MIN_AWARD_AMT) Minimum award amount for this rule.
User ID	(RPRALGR_USER_ID) User ID of the person that created or last updated the rule.
Active	(RPRALGR_ACTIVE_IND) Active indicator allows you to inactivate specific sequence numbers. This inactivates the algorithmic packaging rule for a specific aid year code, rule code, and sequence number. Uncheck the checkbox to inactivate.
Award Maximum	(RPRALGR_MAX_AWARD_AMT) Maximum award amount for this rule.
Activity Date	(RPRALGR_ACTIVITY_DATE) The date that information in this record was entered or last updated.
SQL Statement	(RPRALGR_SQL_STATEMENT) The SQL statement you write to define the algorithmic packaging rule. The select statement for the SQL Statement must return a numeric value. Non-numeric results will return an error.

Note: You can use case logic in an SQL statement.

Available for Lookup

The Available for Lookup section serves as a reference for valid tables, table columns, and parameters. You can use the Edit functions to cut and paste table, table column, and parameter information from the **Table**, **Column**, and **Parameter** fields into the **SQL Statement** field.

Field	Description
Table	Table name. If you know the name of the table, you can type in the table name; or you can find and select the table name with the List function.

Field	Description
Column	Column name. If you enter a valid table name, you can find and select a valid column name with the List function.
Parameter / Parameter Value	The Parameter and Parameter Value fields provide a pull-down reference list of parameter descriptions and their corresponding substitution variables for use in your SQL statements.
	Aid Year :aidy
	Personal ID Number :pidm
	Fund :fund
	Federal Fund ID :ffid
	Fund Type :ftyp
	Fund Source :fsrc

Copy To Block

The Copy To Block enables you to copy a rule from one aid year, rule, and sequence combination to another aid year, rule, and sequence combination, to transfer the same rules from one aid year to another aid year, or to copy rule information from one sequence number to another sequence number. In order to access this window, there must be a valid set of rule criteria in the Rule Block.

Field	Description
Aid Year	Aid year to which you want to copy a rule. You must enter an Aid Year code when you use the Copy button. Select the List function to access the Aid Year Validation window (ROIAIDY), which lists valid aid years.
Rule	Algorithmic rule code to which you want to copy a rule. This is a required field for the copy process. Select the List function to access the Algorithmic Packaging Rule Code Validation Form (RTVALGR) to view valid rule codes.

Field	Description
Sequence	Sequence number to which you want to copy a rule. You can copy a rule to any sequence number that is not currently in use for the aid year, rule, or sequence. If you do not enter a sequence number, the next available sequence number is generated. If you check the Copy All Sequences checkbox, the Copy To Sequence number must be blank.
Copy All Sequences	Check this field to copy all sequence numbers in a rule to another rule code that exists on RTVALGR. If the Copy All Sequences checkbox is checked, RPRALGR rules cannot exist for the Copy To Aid Year and Rule code.

Test Rule Window

When you click the Test Rule button, the system accesses the Test Rule window where you may enter values for any substitution parameters used in the rule and execute the rule in test mode. This allows you to verify that the rule will return the expected results when used by the Packaging process.

Note that all sequences for the aid year and rule must be validated before you can access this window. A sequence number is bypassed if it is inactive.

The screenshot shows a window titled "Test Rule Window RPRALGR 8.0 (s10b80)". Inside the window, there are four input fields on the left: "ID:" with a dropdown arrow, "Fund:" with a dropdown arrow, "Alternate Aid Year:" with a dropdown arrow, and "Calculated Amount:" with a text box. On the right side of the window, there are three buttons: "Execute" with a play icon, "Clear and Return to Data Entry" with a document icon, and "Close" with a window icon.

Executing the Test Rules

When you select the Execute button, the system uses your need analysis data in the testing of your algorithmic rules and temporarily stores the simulated results in the Temporary Packaging Need Table (RPTNEED). The results display in the **Calculated Amount** field.

You must enter an ID before you select the Execute button. Enter a fund value if the SQL statement you are testing contains any of the fund parameters (:fund, :ffid, :ftyp, or :fsrc). Enter an alternate aid year code if you want to test the current year rule with data from a prior aid year. Normally, the current aid year rule is executed, but any aid year (:aidy) substitution variables are replaced by the value in **Alternate Aid Year** field.

Click the Clear and Return to Data Entry button if you want to clear the calculated amount and return the cursor to the **ID** field so that you can enter another ID and fund.

 **Note**

The **ID**, **Fund**, **Alternate Aid Year**, and **Calculated Amount** columns remain populated unless the Clear and Return to Data Entry button is clicked (or you leave the form). ■

Field	Description
ID	The ID of the student used during the execution of the rule. You must enter an ID before you select the Execute button. Select the List function to access the Person Search (SOAIDEN) window.
Fund	The fund code that is substituted for fund parameters in the rule. You must enter a fund value if the SQL statement you are testing contains any of the fund parameters (:fund, :ffid, :ftyp, or :fsrc). Select the List function to access the Fund Code (RFRBASE) window.
Alternate Aid Year	The aid year code that is substituted for Aid Year (:aidy) parameters in the rule. If you do not enter a value for this field, the form uses the Key Block aid year. Select the List function to access the Aid Year Validation (ROIAIDY) window, which lists valid aid years.
Calculated Amount	The calculated amount returned from executing the rule. If the algorithmic rules calculation results in an Oracle error, you can select the Display Error function from the Help menu to see details of the error. Otherwise, the Calculated Amount field either displays an amount, or a null value, depending on whether information for the student matched one of the sequences of the rule being tested. Note that the Award Minimum and Award Maximum fields are taken into account by the algorithmic rules calculation and will already be reflected in the value returned from the function call.

 **Note**

Keep in mind that if you use the new functions F_GET_FUND_OFFER or F_GET_FFID_OFFER in rules and then select the Test Rule button on RPRALGR, the RPTNEED_SIMULATE_SW default value is *N*. ■

Packaging Group Fund Category Maximums Rules Form (RPRFCAT)

The Packaging Group Fund Category Maximums Rules Form allows you to place fund category maximums on packaging groups. This allows you to limit the amount awarded to an applicant from multiple funds based on the maximum established for the category. Prior to entering a fund category maximum rules on RPRFCAT, a category must be defined on RTVFCAT and funds associated with the category on RFRBASE or ROAMGMT.

Example

- Category *INST1* includes Fund A, B, and C.
- Maximum award amount for Fund A (priority 1), Fund B (priority 2), and Fund C (priority 3) for Packaging Group *UGLT* is \$2,500 for each fund on RPRGFND.
- On RPRFCAT, packaging group *UGLT* is associated with fund category *INST1* with a \$6,000 maximum.

The RPEPKG process when executed for an applicant in the *UGLT* packaging group awards 2,500 of Fund A, 2,500 of Fund B, and 1,000 of Fund C (assuming the applicant has this need) which is the \$6,000 limit set on RPRFCAT for this category and packaging group. All other funds in the packaging group would be packaged based on RPRGFND rules.

The screenshot shows the 'Packaging Group Fund Category Maximums Rules' form. At the top, the title bar reads 'Packaging Group Fund Category Maximums Rules RPRFCAT 8.0 (s10b80)'. Below the title bar, there is a dropdown for 'Aid Year' set to '0708' and a label '2007-2008 aid year'. The main area contains a table with the following columns: 'Packaging Group', 'Group Description', 'Fund Category', 'Category Description', 'Maximum Amount', and 'Activity Date'. The table has 11 rows, with the first row highlighted. Below the table, there is a 'Copy To' section with an 'Aid Year' dropdown and a 'Copy' button.

Key Block

Field	Description
Aid Year	Financial aid processing year. The default for this field is the current aid year or the last aid year accessed on a prior form. Select the List function to access the Aid Year Validation (ROIAIDY) window, which lists valid aid years.

Packaging Group Fund Category Maximums Block

Field	Description
Packaging Group	(RPRFCAT_PGRP_CODE) The packaging group code to which the fund category maximum will apply. Select the List function to access the Packaging Group Validation (RTVPGRP) window to select a valid packaging group code.
Group Description	Packaging group description.
Fund Category	(RPRFCAT_FCATE_CODE) The category code a fund has been assigned. There is a limit of 10 category codes per packaging group per aid year. Select the List function to access the Fund Category Validation (RTVFCAT) window to select a valid fund category code.
Category Description	Fund category code description.
Maximum Amount	(RPRFCAT_CAT_MAX_AMT) The maximum amount for a fund category.
Activity Date	(RPRFCAT_ACTIVITY_DATE) The date that information in this record was entered or last updated.

Copy To Block

This block allows you to copy the packaging group fund category maximums from the aid year displayed to another aid year.

Field	Description
Aid Year	Financial aid processing year to which you want to copy packaging fund code maximums. Select the List function to access the Aid Year Validation (ROIADY) window, which lists valid aid years.

Fund Category Validation Form (RTVFCAT)

This form enables you to define fund categories for use on the Fund Base Data Form (RFRBASE) and Packaging Group Fund Category Maximums Rules Form (RPRFCAT).

Code	Description	Active	Activity Date
		<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	

Field	Description
Code	(RTVFCAT_CODE) A user-defined field which allows you to create codes to categorize funds.
Description	(RTVFCAT_DESC) The description of the fund category.
Active	(RTVFCAT_ACTIVE_IND) Indicates whether the fund category code is active. Uncheck this field to inactivate a fund category code.
Activity Date	(RTVFCAT_ACTIVITY_DATE) The date that information in this record was entered or last updated.

Fund Award Inquiry Form (RPIFAWD)

The Fund Award Inquiry Form enables you to view all students who have a particular fund for a particular aid year.

ID	Name	Offered	Award Amounts		
			Accepted	Cancelled	Declined
007006009	Gill, Jecass L	3,500.00	3,500.00		
162440011	Muehlhof, Eleven K	1,000.00	1,000.00		
162440014	Muehlhof, Fourteen N	1,000.00	1,000.00		
162440015	Muehlhof, Fifteen O	1,000.00	1,000.00		
165060002	Andreas, Fisap 6-2 B	750.00	750.00		
179400001	Wood, Albert A	2,625.00	2,625.00		
179400002	Wood, Bartholemew B	3,500.00	3,500.00		
179400003	Wood, Charlie C	4,500.00	4,500.00		
179400005	Wood, Elbert E	3,500.00	3,500.00		
179400007	Wood, Gertrude G	3,500.00	3,500.00		
179400008	Wood, Harvey H	3,500.00	3,500.00		
179400009	Wood, Irene I	3,500.00	3,500.00		
179400010	Hood, Joseph J	2,625.00	2,625.00		
179400014	Wood, Norman N	2,625.00	2,625.00		
182000001	Schrum, CarolynCarolynCarolynCaro	500.00	500.00		
208000004	Miller, Jamie J	2,345.00	2,345.00		
		59,570.00	59,570.00		.00

Key Block

Field	Description
Aid Year	Financial aid processing year. The default for this field is the current aid year or the last aid year accessed on a prior form. Select the List function to access the Aid Year Validation (ROIADY) window, which lists valid aid years.
Fund Code	The information for the fund award inquiry is dependent on the fund code that you enter in this field. Select the List function to access the Fund Code Validation (RFRBASE) window, which lists valid fund codes.
Sort By	Determines whether you want to sort the results of the inquiry by <i>ID</i> or <i>Name</i> order.

Fund Award Inquiry

This section displays the results of the fund award inquiry based on the values you selected in the Key Block. The information for this section is derived from the RPVFAWD view, which is a join of the Applicant Award Table (RPRAWRD) and the Person Identification/Name Repeating Table (SPRIDEN).

Field	Description
ID	(RPVFAWD_ID) Student Identifier.
Name	(RPVFAWD_NAME) Student's full name.
Offered	(RPVFAWD_OFFER_AMT) Offered dollar amount of the award.
(Total Offered Amount)	Total offered dollar amount of the selected awards.

Award Amounts Tab

Field	Description
Accepted	(RPVFAWD_ACCEPT_AMT) Accepted dollar amount of the award.
Cancelled	(RPVFAWD_CANCEL_AMT) Cancelled dollar amount of the award.
Declined	(RPVFAWD_DECLINE_AMT) Declined dollar amount of the award.
(Total Accepted Amount)	Total accepted dollar amount of the selected awards.
(Total Cancelled Amount)	Total cancelled dollar amount of the selected awards.
(Total Declined Amount)	Total declined dollar amount of the selected awards.

Disbursement Amounts Tab

Field	Description
Memoed	(RPVFAWD_MEMO_AMT) Memoed dollar amount of the award.
Authorized	(RPVFAWD_AUTHORIZE_AMT) Authorized dollar amount of the award.
Paid	(RPVFAWD_PAID_AMT) Paid dollar amount of the award.
(Total Memoed Amount)	Total memoed dollar amount of the selected awards.
(Total Authorized Amount)	Total authorized dollar amount of the selected awards.
(Total Paid Amount)	Total paid dollar amount of the selected awards.

Fund Award Term Inquiry (RPIFTRM)

The Fund Award Term Inquiry Form enables you to view all students with a particular fund for a particular term.

ID	Name	Term	Offered	Award Amounts		
				Accepted	Cancelled	Declined
007006009	Gill, Jecass L	200810	1,750.00	1,750.00		
162440011	Muehlhof, Eleven K	200810	500.00	500.00		
162440014	Muehlhof, Fourteen N	200810	500.00	500.00		
162440015	Muehlhof, Fifteen O	200810	500.00	500.00		
165060002	Andreas, Fisap 6-2 B	200810	375.00	375.00		.00
179400001	Wood, Albert A	200810	1,312.50	1,312.50		
179400002	Wood, Bartholemew B	200810	1,750.00	1,750.00		
179400003	Wood, Charlie C	200810	2,250.00	2,250.00		
179400005	Wood, Elbert E	200810	1,750.00	1,750.00		
179400007	Wood, Gertrude G	200810	1,750.00	1,750.00		
179400008	Wood, Harvey H	200810	1,750.00	1,750.00		
179400009	Wood, Irene I	200810	1,750.00	1,750.00		
179400010	Hood, Joseph J	200810	1,312.50	1,312.50		
179400014	Wood, Norman N	200810	1,312.50	1,312.50		
182000001	Schrum, CarolynCarolynCarolynCaro	200810	250.00	250.00		
208000004	Miller, Jamie J	200810	1,172.50	1,172.50		
			30,958.10	30,958.10		.00

Key Block

Field	Description
Aid Year	Financial aid processing year. The default for this field is the current aid year or the last aid year accessed on a prior form. Select the List function to access the Aid Year Validation (ROIAIDY) window, which lists valid aid years.
Fund Code	The information for the fund award inquiry is dependent on the fund code that you enter in this field. Select the List function to access the Fund Code Validation (RFRBASE) window, which lists valid fund codes.
Term	Term Code associated with the aid year and fund code. Select the List function to access the Term Code (STVTERM) window, which lists valid term codes. If you leave this field blank, all term codes within the aid year selected are listed.
Sort By	Determines whether you want to sort the results of the inquiry by <i>ID</i> or <i>Name</i> order.

Fund Award Term Inquiry

This section displays the results of the fund award term inquiry based on the values you selected in the Key Block. The information for this section is derived from the RPVFTRM view, which is a join of the Applicant Award by Term Table (RPRATRM) and the Person Identification/Name Repeating Table (SPRIDEN).

Field	Description
ID	(RPVFTRM_ID) Student Identifier.
Name	(RPVFTRM_NAME) Student's full name.
Term	(RPVFTRM_TERM) Term code associated with the aid year.
Offered	(RPVFTRM_OFFER_AMT) Offered dollar amount of the award for the term.
(Total Offered Amount)	Total offered dollar amount of the selected term awards.

Award Amounts Tab

Field	Description
Accepted	(RPVFTRM_ACCEPT_AMT) Accepted dollar amount of the award for the term.
Cancelled	(RPVFTRM_CANCEL_AMT) Cancelled dollar amount of the award for the term.
Declined	(RPVFTRM_DECLINE_AMT) Declined dollar amount of the award for the term.
(Total Accepted Amount)	Total accepted dollar amount of the selected term awards.
(Total Cancelled Amount)	Total cancelled dollar amount of the selected term awards.
(Total Declined Amount)	Total declined dollar amount of the selected term awards.

Disbursement Amounts Tab

Field	Description
Memoed	(RPVFTRM_MEMO_AMT) Memoed dollar amount of the award.
Authorized	(RPVFTRM_AUTHORIZE_AMT) Authorized dollar amount of the award.
Paid	(RPVFTRM_PAID_AMT) Paid dollar amount of the award.
(Total Memoed Amount)	Total memoed dollar amount of the selected awards.
(Total Authorized Amount)	Total authorized dollar amount of the selected awards.
(Total Paid Amount)	Total paid dollar amount of the selected awards.

Changed Forms

Budget Group Validation Form (RTVBGRP)

Group Code	Group Description	Priority	Group Active	Activity Date
UGINHM	Undergrad Resident At Home	5	<input checked="" type="checkbox"/>	01-NOV-2007
UGINOF	Undergrad Resident Off Campus	10	<input checked="" type="checkbox"/>	04-SEP-2007
UGINON	Undergrad Resident On Campus	15	<input checked="" type="checkbox"/>	26-OCT-2007
UGOSHM	Undergrad Non-res At Home	20	<input checked="" type="checkbox"/>	04-SEP-2007
UGOSOF	Undergrad Non-res Off Campus	25	<input checked="" type="checkbox"/>	04-SEP-2007
UGOSON	Undergrad Non-res On Campus	30	<input checked="" type="checkbox"/>	23-OCT-2007
GRINHM	Graduate Resident At Home	35	<input checked="" type="checkbox"/>	04-SEP-2007
GRINOF	Graduate Resident Off Campus	40	<input checked="" type="checkbox"/>	04-SEP-2007
GRINON	Graduate Resident On Campus	45	<input checked="" type="checkbox"/>	04-SEP-2007
GROSHM	Graduate Non-res At Home	50	<input checked="" type="checkbox"/>	04-SEP-2007
GROSOF	Graduate Non-res Off Campus	55	<input checked="" type="checkbox"/>	04-SEP-2007
GROSON	Graduate Non-res On Campus	60	<input checked="" type="checkbox"/>	04-SEP-2007
PERF01	Performance Gauge #1	101	<input checked="" type="checkbox"/>	26-OCT-2007
PERF02	Performance Gauge #2	102	<input checked="" type="checkbox"/>	26-OCT-2007
PERF03	Performance Gauge #3	103	<input checked="" type="checkbox"/>	26-OCT-2007
PERF04	Performance Gauge #4	104	<input checked="" type="checkbox"/>	22-OCT-2007
PERF05	Performance Gauge #5	105	<input checked="" type="checkbox"/>	04-SEP-2007
PERF06	Performance Gauge #6	106	<input checked="" type="checkbox"/>	04-SEP-2007
PERF07	Performance Gauge #7	107	<input checked="" type="checkbox"/>	04-SEP-2007
PERF08	Performance Gauge #8	108	<input checked="" type="checkbox"/>	26-OCT-2007
PERF09	Performance Gauge #9	109	<input checked="" type="checkbox"/>	04-SEP-2007

The length of the **Priority** (RTVBGRP_PRIORITY) field has been changed from 3 characters to 6 characters. A low/high value range was also added to this field to limit the value to 1 – 999999. (If you had values outside of this range prior to the Banner Financial Aid 8.0 release, processing is not impacted. However, if you try to add any new codes, or update the priority value of an existing code, you must use values within this range.)

The **Group Active** (RTVBGRP_ACTIVE_IND) field has been added to the form to allow you to activate/inactivate a budgeting group for all aid years.

Field	Description
Group Active	(RTVBGRP_ACTIVE_IND) Indicates whether the budgeting group code is active. Uncheck this field to inactivate the budgeting group code for all aid years.

The following logic was also added to this form.

- You cannot delete a budgeting group if rules exist for the group on the Financial Aid Selection Rules Form (RORRULE) for any aid year.
- You cannot inactivate a budgeting group which is used as a default **Budgeting Group** (ROBINST_BGRP_CODE) on the Options tab of the Institution Financial Aid Options Form (ROAINST) for an active aid year.
 - If you try to inactivate a group/code and the group/code is used as a default value on the ROAINST form for an active aid year, an error message is displayed indicating that the group/code cannot be inactivated. However, if the group/code is a default value only for an inactive aid year, the group/code can be inactivated and no error message is displayed.
- Logic for priority numbers has changed. Negative numbers are no longer permitted. However, if you have used a negative number prior to this release, errors will not occur when entering the form or during processing and will continue to be processed as in the past (prior to positive numbers).

Applicant Budget Form (RBAABUD)

The form was modified to ensure that the budget group is active. If the budget group is inactive, the Autohint displays a message to indicate that the budget group is inactive. In addition, the List of Values has been updated to include the **Active** (RTVBGRP_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVBGRP_PRIORITY) field.

The form now prevents you from updating data for a budget group code that is inactive.

Budget Component Rules (RBRCOMP)

The form was modified to ensure that the budget group is active. If the budget group is inactive, the Autohint displays a message to indicate that the budget group is inactive. In addition, the List of Values has been updated to include the **Active** (RTVBGRP_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVBGRP_PRIORITY) field.

The form now prevents you from using an inactive budget group code in the Key Block or Copy To Block.

Budget Group/Type Rules Form (RBRGTYP)

The form was modified to ensure that the budget group is active. If the budget group is inactive, the Autohint displays a message to indicate that the budget group is inactive. In addition, the List of Values has been updated to include the **Active** (RTVBGRP_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVBGRP_PRIORITY) field.

The form now prevents you from using an inactive budget group code in the Key Block.

Requirements Tracking Group Validation Form (RTVTGRP)

Group Code	Group Description	Priority	Group Active	Activity Date
CSTGRP	Carolyn Tracking Group	1	<input checked="" type="checkbox"/>	22-OCT-2007
BOB	Bob's Inactive Tracking Group	2	<input checked="" type="checkbox"/>	05-NOV-2007
INDVER	Independent Verify	5	<input checked="" type="checkbox"/>	03-JAN-1995
CSIACT	Carolyn Inactive Tracking Grp	7	<input type="checkbox"/>	30-OCT-2007
INDNVR	Independent No Verify	10	<input checked="" type="checkbox"/>	04-APR-2006
JON	Jon's Tracking req group	12	<input checked="" type="checkbox"/>	15-MAY-2006
DEPVER	Dependent Verify	15	<input checked="" type="checkbox"/>	26-OCT-2007
DEPNVR	Dependent No Verify	20	<input checked="" type="checkbox"/>	03-JAN-1995
DEFAULT	Tracking Default Group	25	<input checked="" type="checkbox"/>	04-APR-2006
PNN	Phong's Group	30	<input checked="" type="checkbox"/>	20-SEP-2005
WILL1	Will's Test Group	90	<input checked="" type="checkbox"/>	15-APR-2004
ANGIEB	Angela's Test group	100	<input checked="" type="checkbox"/>	18-OCT-2005
CTG1	Cass's test group	100	<input checked="" type="checkbox"/>	01-DEC-2005
ANNA	anna test	999	<input checked="" type="checkbox"/>	04-APR-2006
ANNATG	anna's tracking group	999	<input checked="" type="checkbox"/>	04-APR-2006
CODFP	COD FP Tracking Group	999	<input checked="" type="checkbox"/>	04-APR-2006
DEB1	Deb's First Test Group	999	<input checked="" type="checkbox"/>	04-APR-2006
DEB2	Deb's Second Test Group	999	<input checked="" type="checkbox"/>	04-APR-2006
JON2	Jon's 2nd Tracking req group	999	<input checked="" type="checkbox"/>	04-APR-2006
SAJAG	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	999	<input checked="" type="checkbox"/>	29-OCT-2007
SUE1	Sue's test group	999	<input checked="" type="checkbox"/>	04-APR-2006

The length of the **Priority** (RTVTGRP_PRIORITY) field has been changed from 3 characters to 6 characters. A low/high value range was also added to this field to limit the value to 1 – 999999 (If you had values outside of this range prior to the Banner Financial Aid 8.0 release, processing is not impacted. However, if you try to add any new codes, or update the priority value of an existing code, you must use values within this range.)

The **Group Active** (RTVTGRP_ACTIVE_IND) field has been added to the form to allow you to inactivate a requirements tracking group for all aid years.

Field	Description
Group Active	(RTVBGRP_ACTIVE_IND) Indicates whether the requirements tracking group code is active. Uncheck this field to inactivate the requirements tracking group code for all aid years.

The following logic was also added to this form.

- You cannot delete a requirements tracking group if rules exist for the group on the Financial Aid Selection Rules Form (RORRULE) for any aid year.
- You cannot inactivate a requirements tracking group which is used as a default **Tracking Group** (ROBINST_TGRP_CODE) on the Options tab of the Institution Financial Aid Options Form (ROAINST) for an active aid year.
 - If you try to inactivate a group/code and the group/code is used as a default value on the ROAINST Form, validation is performed only on active aid years. In other words, if the default value is used for an inactive aid year, an error message does not display when inactivating a group/code. However, the error message does appear if the group/code is used for an active aid year.
- Logic for priority numbers has changed. Negative numbers are no longer permitted. However, if you have used a negative number prior to this release, errors will not occur when entering the form or during processing.

Packaging Group Validation Form (RTVPGRP)

Group Code	Group Description	Group Priority	Award Priority	Group Active	Info Access	Activity Date
BOB	Bob's Inactive Group	1	222222	<input type="checkbox"/>	<input type="checkbox"/>	05-NOV-2007
CSINAC	Carolyn's Inactive Pkging Grp	1	999999	<input type="checkbox"/>	<input type="checkbox"/>	05-NOV-2007
DEB	Deb's Packaging Group	1	50000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	25-OCT-2007
DEB2	Deb's 2nd Packaging Group	1	25000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	23-OCT-2007
DEB3	Deb's 3rd Packaging Group	1	10000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	06-NOV-2007
HAL	Hal's packaging group - don't	1	654321	<input checked="" type="checkbox"/>	<input type="checkbox"/>	31-OCT-2007
JULIE	Julie's Packaing Group	1	999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	12-SEP-2007
NP	Nikhil's Packaging Group	1	999999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	26-SEP-2007
NP2	Nikhil's rorrule test	1	999999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	22-OCT-2007
NPINAC	Nikhil's inactive group	1	999999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	26-SEP-2007
PNN	Phong's Packaging Group	1	50000	<input type="checkbox"/>	<input type="checkbox"/>	06-NOV-2007
RUTH	Ruth's Active Packaging Group	1	500	<input checked="" type="checkbox"/>	<input type="checkbox"/>	29-OCT-2007
RUTH2	Ruth's Inactive Packaging Group	1	500	<input type="checkbox"/>	<input type="checkbox"/>	22-OCT-2007
JON3	Jon's 3rd Packaging Group	2	900	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	17-OCT-2006
JON4	Jon's 4th Packaging Group	2	900	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	17-OCT-2006
RNVALL	All RNVAND0 columns in 1 rule	2	900	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	19-OCT-2006
PRF001	Performance Guage 001	10	900	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	07-AUG-2007
PRF002	Performance Guage 002	10	900	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	07-AUG-2007
PRF003	Performance Guage 003	10	900	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	07-AUG-2007
PRF004	Performance Guage 004	10	900	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	07-AUG-2007
PRF005	Performance Guage 005	10	900	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	07-AUG-2007

The name of the **Packaging Group** field has been changed to **Group Code** (RTVPGRP_CODE). The name of the **Description** field has been changed to **Group Description** (RTVPGRP_DESC).

The length of the **Group Priority** (RTVPGRP_GROUP_PRIORITY) field has been changed from 3 characters to 6 characters. A low/high value range was also added to this field to limit the value to 1 – 999999. (If you had values outside of this range prior to the Banner Financial Aid 8.0 release, processing is not impacted. However, if you try to add any new codes, or update the priority value of an existing code, you must use values within this range.)

The length of the **Award Priority** (RTVPGRP_AWARD_PRIORITY) field has been changed from 3 characters to 6 characters. A low/high value range was also added to this field to limit the value to 1 – 999999. (If you had values outside of this range prior to the Banner Financial Aid 8.0 release, processing is not impacted. However, if you try to add any new codes, or update the priority value of an existing code, you must use values within this range.)

The **Group Active** (RTVPGRP_ACTIVE_IND) field has been added to the form to allow you to inactivate a packaging group for all aid years.

Field	Description
Group Active	(RTVPGRP_ACTIVE_IND) Indicates whether the packaging group code is active. Uncheck this field to inactivate the packaging group code for all aid years.

The following logic was also added to this form.

- You cannot delete a packaging group if rules exist for the group on the Financial Aid Selection Rules Form (RORRULE) for any aid year.
- You cannot inactivate a packaging group which is used as a default **Packaging Group** (ROBINST_PGRP_CODE) on the Options tab of the Institution Financial Aid Options Form (ROAINST) for an active aid year.
 - If a packaging group has been inactivated, but the **Info Access** (RTVPGRP_INFO_ACCESS_IND) field is checked, the packaging group is displayed in Banner Self-Service since the packaging group was active previously.
- If you try to inactivate a group/code and the group/code is used as a default value on the ROAINST Form, validation is performed only on active aid years. In other words, if the default value is used for an inactive aid year, an error message does not display when inactivating a group/code. However, the error message does appear if the group/code is used for an active aid year.
- Logic for priority numbers has changed. Negative numbers are no longer permitted. However, if you have used a negative number prior to this release, errors will not occur when entering the form or during processing.

Fund Base Data Form (RFRBASE)

Fund Code	Short Description	Accounts Receivable Detail	Detail Code Active	Fund Source	Fund Type	Federal Fund ID	Fund Cross Reference	Print Order	Message Number	Fund Category Exists	Fund Active
A0	Nikhil's test		<input type="checkbox"/>	OTHR	LOAN		TEST LENGG			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A01	Nikhil's test 3		<input type="checkbox"/>	OTHR	LOAN					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A1	Kathy's Test 90764		<input type="checkbox"/>	OTHR	SCHL		A1@@@%^^&&&			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AA	new test anna		<input type="checkbox"/>	OTHR	LOAN			111		<input type="checkbox"/>	<input type="checkbox"/>
AAAA	anna AAAA		<input type="checkbox"/>	OTHR	LOAN					<input type="checkbox"/>	<input type="checkbox"/>
ABLOAN	AB Loan 1		<input type="checkbox"/>	INST	LOAN			899		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ABTEST	AB Scholarship		<input type="checkbox"/>	INST	SCHL					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ACG	Academic Competitiveness Grant	FACG	<input checked="" type="checkbox"/>	FDRL	GRNT	ACG		51	111	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ACG2	Test ACG Fund	ACG2	<input checked="" type="checkbox"/>	FDRL	GRNT	ACG		52	111	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ACG3PH	JPH's Academic Comp. Grant		<input type="checkbox"/>	FDRL	GRNT	ACG		53	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ALTLN	Alternative Loan	ALTL	<input checked="" type="checkbox"/>	OTHR	LOAN			100	123	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ANNALN	Anna's loan		<input type="checkbox"/>	OTHR	LOAN	SMRT			654321	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
AS_SCH	Anna's Scholarship	ASHS	<input checked="" type="checkbox"/>	INST	SCHL			13	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BOBSUB	Bob's Direct Loan		<input type="checkbox"/>	FDRL	LOAN	STFD		666		<input type="checkbox"/>	<input type="checkbox"/>
BXSF1	BXS FUND TEST		<input type="checkbox"/>	OTHR	LOAN		TEST FUND			<input type="checkbox"/>	<input checked="" type="checkbox"/>
BXSF2	BXS FUND TEST 2		<input type="checkbox"/>	OTHR	LOAN		TEST FUND2			<input type="checkbox"/>	<input checked="" type="checkbox"/>
BXSFND	BXS Fund Test		<input type="checkbox"/>	OTHR	GRNT					<input type="checkbox"/>	<input checked="" type="checkbox"/>
CASSS	Cassy's Scholarship	CASS	<input checked="" type="checkbox"/>	INST	SCHL			700	2020	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Long Description: Academic Competitiveness Grant

The **Description** (RFRBASE_FUND_TITLE) field has been renamed to **Short Description**.

The **Detail Code Active** (TBBDETC_DETC_ACTIVE_IND) field has been added to the form to allow you to see if a detail code associated with a fund is active in Banner Accounts Receivable.

The new **Fund Cross Reference** (RFRBASE_XREF_VALUE) field enables you to cross reference IDs used for funds by another office. This field is user-defined field with no validation.

A **Fund Category Exists** display field has been added to allow you to see if a fund category exists in the **Fund Category** (RFRFCAT_FCAT_CODE) field on the Fund Category Data window of this form. A check in this field indicates that a fund category code exists.

The new **Fund Active** (RFRBASE_ACTIVE_IND) field allows you to inactivate a fund code.

The **Long Description** (RFRBASE_FUND_TITLE_LONG) field has been added to enable you to see the entire fund description at a glance. You can enter up to 200 characters in this new field. A script that is run during the install process copies the contents of the RFRBASE_FUND_TITLE field to the RFRBASE_FUND_TITLE_LONG field for all existing rows.

Note

A new variable (*AWARD_DESC_LONG) has been created for the **Long Description** (RFRBASE_FUND_TITLE_LONG) field. If you plan to use this new variable, you must update existing letters and/or user-defined variables.

Field	Description
Detail Code Active	(TBBDETC_DETC_ACTIVE_IND) A check in this field indicates that the detail code associated with a fund is active in Banner Accounts Receivable.
Fund Cross Reference	(RFRBASE_XREF_VALUE) User-defined field that enables you to cross reference IDs used for funds by another office. There is no validation on this field.
Fund Category Exists	Indicates if a fund category exists in the Fund Category (RFRFCAT_FCAT_CODE) field on the Fund Category Data window of this form. A check in this field indicates that a fund category code does exist.
Fund Active	(RFRBASE_ACTIVE_IND) Indicates whether the fund code is active. Uncheck this field to inactivate a fund code.
Long Description	(RFRBASE_FUND_TITLE_LONG) The full description of the fund code for the record that is currently selected by the cursor.

Fund Category Data Window

When you select the Next Block function from the main window of the RFRBASE Form, the system accesses the Fund Category Data (RFRFCAT) window where you can add or delete fund categories for the fund. The fund that was selected by the cursor on the main window determines which fund categories display on this window. For example, if the cursor is on the *ACG* fund row and you select Next Block, the fund categories for *ACG* display in this window.

You can only add or delete records on this window. The fund code must also be in an active status.

Field	Description
Fund Code	Displays the fund code selected by your cursor before you selected the Next Block function.
Fund Category	(RFRFCAT_FCAT_CODE) A user-defined category which allows the grouping of fund codes. Select the List function to access the Fund Category Validation (RTVFCAT) window for a list of valid fund categories. If the fund category code is inactive, the Autohint displays a message to indicate that the fund category code is inactive.
Description	Description of the fund category.
Activity Date	(RFRFCAT_ACTIVITY_DATE) The date that information in this record was entered or last updated.

Fund Management Form (RFRMGMT)

Key Block

The form now checks to ensure that the fund code in the Key Block is active. You can query and update data if the fund is inactive, but can only insert fund data for new years if the fund code is active.

Note

If the fund has already been set up on RFRMGMT for the aid year and then is inactivated, the fund is treated as active for the aid year. ■

Fund Tab

The screenshot shows the Banner Financial Aid 8.0 Fund Management interface. At the top, the window title is "Fund Management RFRMGMT 8.0 (s10b80)". Below the title bar, there are dropdown menus for "Aid Year" (0708) and "Fund Code" (PERK), with the text "Federal Perkins Loan" to the right. A navigation bar contains tabs for "Fund", "Packaging", "Disbursement", "Disbursement Locks", "Fund Comments", "Budget", "Detail Code Rules", "Tracking", "Messages", and "Copy". The "Fund" tab is active, displaying a form with two sections: "Base Fund" and "Aid Year Specific".

Base Fund

Fund Source: FDRL Federal
 Fund Type: LOAN Loan
 Federal Fund ID: PERK
 Long Description: Federal Perkins Loan

Accounts Receivable Detail: FFPL Active

Aid Year Specific

Prior Balance: .00
 Transferred: 10,000,000.00
 Budget Allocated: .00
 Total Allocated: 10,000,000.00
 Available to Offer: 10,000,000.00
 Over Commitment Percent: 100

The **Accounts Receivable Detail** (RFRBASE_DETAIL_CODE) and **Active** (TBBDETC_DETC_ACTIVE_IND) display fields have been added to the Base Fund Block to allow you to see if a detail code is associated with a fund and if it is active in Banner Accounts Receivable. A check in the **Active** field indicates that the associated detail code is active.

The **Long Description** (RFRBASE_FUND_TITLE_LONG) field has been added to enable you to see the entire fund description at a glance.

Field	Description
Accounts Receivable Detail	(RFRBASE_DETAIL_CODE) This code is used to link a Financial Aid Fund Code to an Accounts Receivable detail code for crediting funds to student accounts.
Active	(TBBDETC_DETC_ACTIVE_IND) A check in this field indicates that the detail code associated with a fund is active in Banner Accounts Receivable.
Long Description	(RFRBASE_FUND_TITLE_LONG) The full description of the fund code for the record that is currently selected by the cursor.

Packaging Tab

Fund Management RFRMGMT 8.0 (s10b80)

Aid Year: 0708 Fund Code: PERK Federal Perkins Loan

Fund Packaging Disbursement Disbursement Locks Fund Comments Budget Detail Code Rules Tracking Messages Copy

Award Maximum: 6,000.00
 Award Minimum: .00
 Offer Status: OFRD Offered
 Accept Status: ACPT Accepted
 Decline Status: DECL Declined

Automatic Packaging
 Automatic Scheduling
 Automatic Acceptance
 Award Using Estimated EFC
 Override Need
 Override Need to Cost of Attendance
 Override Satisfactory Academic Progress
 Override Requirement
 Replace EFC
 Reduce Need
 Loan Process
 Need Analysis
 Award Letter
 Equity Fund
 Eligible to roll

Rebate Fee Percentage:
 Loan Fee Percentage:
 Interest Rate:
 Direct Loan Indicator: (None)
 Electronic Loan Indicator: (None)
 Manual Loan Indicator: (None)
 Self Help Reduction Percentage:
 LMS Loan Fund:
 Alternative Loan Program Type:
 ACG Grade Level: (None)
 SMART Grade Level: (None)
 Round Award: 1
 Round Schedule: RD=Round Dollars
 Memo Credit: A=Accepted
 Disburse: S=System

Count for NCAA
 Web Accept Flag

The column associated with the **Round Award** field has changed from (RFRASPC_ROUND_AWARD_IND) to (RFRASPC_ROUND_AWARD_AMT). The valid values for this field are 1 – 99999.

Field	Description
Round Award	(RFRASPC_ROUND_AWARD_AMT) The Round Award field enables you to specify how you want to round the award. The automatic packaging process (RPEPCKG) is the only process that uses this option. The RPEPCKG process rounds the award down to a multiple of this amount to prevent an overaward. For example, 1 would round down to the nearest dollar, 10 would round down to the nearest ten dollars, 25 would round down to the nearest 25 dollars, 50 would round down to the nearest 50 dollars, or 100 would round down to the nearest 100 dollars. Valid values for this field are 1 – 99999.

When the **Memo Credit** (RFRASPC_APPL_MEMO_IND) field is set to *A* (Accepted) or *O* (Offered), the form now verifies that the Accounts Receivable detail code exists and that the **Detail Code Active** (TBBDETC_DETC_ACTIVE_IND) field is checked. A warning message indicates that when the **Memo Credit** value is *A* or *O*, the AR Detail must exist on RFRBASE and be an active detail code.

When the **Disburse** (RFRASPC_DISBURSE_IND) field is set to *M* (Manual) or *S* (System), the form now verifies that the Accounts Receivable detail code exists and that the **Detail Code Active** (TBBDETC_DETC_ACTIVE_IND) field is checked. A warning message indicates

The **Detail Code Active** (TBBDETC_DETC_ACTIVE_IND) field has been added to the form to allow you to see if a detail code associated with a fund is active in Banner Accounts Receivable.

The new **Fund Cross Reference** (RFRBASE_XREF_VALUE) field enables you to cross reference IDs used for funds by another office. This field is user-defined field with no validation.

A **Fund Category Exists** display field has been added to allow you to see if a fund category exists in the **Fund Category** (RFRFCAT_FCAT_CODE) field on the Maintain Fund Category Data window of this form. A check in this field indicates that a fund category code exists.

The new **Fund Active** (RFRBASE_ACTIVE_IND) field allows you to inactivate a fund code.

The **Long Description** (RFRBASE_FUND_TITLE_LONG) field has been added to enable you to see the entire fund description at a glance. A script that is run during the install process copies the contents of the RFRBASE_FUND_TITLE field to the RFRBASE_FUND_TITLE_LONG field for all existing rows. You can enter up to 200 characters in this new field.

 **Note**

A new variable (*AWARD_DESC_LONG) has been created for the **Long Description** (RFRBASE_FUND_TITLE_LONG) field. If you plan to use this new variable, you must update existing letters and/or user-defined variables. ■

Field	Description
Detail Code Active	(TBBDETC_DETC_ACTIVE_IND) A check in this field indicates that the detail code associated with a fund is active in Banner Accounts Receivable.
Fund Cross Reference	(RFRBASE_XREF_VALUE) User-defined field that enables you to cross reference IDs used for funds by another office. There is no validation on this field.
Fund Category Exists	Indicates if a fund category exists in the Fund Category (RFRFCAT_FCAT_CODE) field on the Fund Category Data window of this form. A check in this field indicates that a fund category code does exist.
Fund Active	(RFRBASE_ACTIVE_IND) Indicates whether the fund code is active. Uncheck this field to inactivate a fund code.
Long Description	(RFRBASE_FUND_TITLE_LONG) The full description of the fund code for the record that is currently selected by the cursor.

Maintain Fund Category Data Window

When you select the Fund Category button on the Maintain Base Fund Data window of the ROAMGMT Form, the system accesses the Maintain Fund Category Data window where you can add or delete fund categories for the fund. The fund that was selected by the cursor on the main window determines which fund categories display on this window. For example, if the cursor is on the *SMART* fund row and you select Next Block, the fund categories for *SMART* display in this window.

You can only add or delete records on this window. The fund code must also be in an active status.

Field	Description
Fund Code	Displays the fund code selected by your cursor before you selected the Next Block function.
Fund Category	(RFRFCAT_FCAT_CODE) A user-defined category which allows the grouping of fund codes. Select the List function to access the Fund Category Validation (RTVFCAT) window for a list of valid fund categories. If the fund category code is inactive, the Autohint displays a message to indicate that the fund category code is inactive.
Description	Description of the fund category.
Activity Date	(RFRFCAT_ACTIVITY_DATE) The date that information in this record was entered or last updated.

Fund Allocation Window

Fund Allocation - ROAMGMT 8.0 (s10b80)

Fund Source: FDRL Other sources Accounts Receivable Detail: FSMT
 Fund Type: GRNT Scholarship Accounts Receivable Detail Active
 Federal Fund ID: SMRT
 Long Description: National SMART Grant

Aid Year Specific

Prior Balance:	.00
Transferred:	1,000,000.00
Budget Allocated:	1,000,000.00
Total Allocated:	2,000,000.00
Available to Offer:	2,000,000.00
Over-Commitment Percent:	100

Manage Funds

The **Accounts Receivable Detail** (RFRBASE_DETAIL_CODE) and **Active** (TBBDETC_DETC_ACTIVE_IND) display fields have been added to the Base Fund Block to allow you to see if a detail code is associated with a fund and if it is active in Banner Accounts Receivable. A check in the **Active** field indicates that the associated detail code is active.

The **Long Description** (RFRBASE_FUND_TITLE_LONG) field has been added to enable you to see the entire fund description at a glance.

Field	Description
Accounts Receivable Detail	(RFRBASE_DETAIL_CODE) This code is used to link a Financial Aid Fund Code to an Accounts Receivable detail code for crediting funds to student accounts.
Active	(TBBDETC_DETC_ACTIVE_IND) A check in this field indicates that the detail code associated with a fund is active in Banner Accounts Receivable.
Long Description	(RFRBASE_FUND_TITLE_LONG) The full description of the fund code for the record that is currently selected by the cursor.

Packaging Options Window

The column associated with the **Round Award** field has changed from (RFRASPC_ROUND_AWARD_IND) to (RFRASPC_ROUND_AWARD_AMT). The valid values for this field are 1 – 99999.

Field	Description
Round Award	(RFRASPC_ROUND_AWARD_AMT) The Round Award field enables you to specify how you want to round the award. The automatic packaging process (RPEPCKG) is the only process that uses this option. The RPEPCKG process rounds the award down to a multiple of this amount to prevent an overaward. For example, 1 would round to the nearest dollar, 10 would round to the nearest ten dollars, 25 would round to the nearest 25 dollars, 50 would round to the nearest 50 dollars, or 100 would round to the nearest \$100 dollars. Valid values for this field are 1 – 99999.

The **Auto Package** field name was changed to **Automatic Packaging**. The **Auto Schedule** field name was changed to **Automatic Scheduling**. The **Override Need to COA** field name was changed to **Override Need to Cost of Attendance**.

Loan Packaging Rules Window

Rebate Fee Percentage:

Loan Fee Percentage:

Interest Rate:

Direct Loan Indicator:

Electronic Loan Indicator:

Manual Loan Indicator:

LMS Loan Fund:

Alternate Loan Program Type:

Close

The **Rebate Fee Percent** field name was changed to **Rebate Fee Percentage**. The **Loan Fee Percent** field name was changed to **Loan Fee Percentage**.

Tracking Requirements Window

The Tracking Requirements Window was modified to ensure that the tracking requirement is active by checking the (RTVTREQ_ACTIVE_IND) field. If the tracking requirement is inactive, the Autohint displays a message to indicate that the tracking requirement is inactive.

Additional Disbursement Options Window

When the **Memo Credit** (RFRASPC_APPL_MEMO_IND) field is set to *A* (Accepted) or *O* (Offered), the form now verifies that the Accounts Receivable detail code exists and that the **Detail Code Active** (TBBDETC_DETC_ACTIVE_IND) field is checked. A warning message indicates that when the **Memo Credit** value is *A* or *O*, the AR Detail must exist on RFRBASE and be an active detail code.

When the **Disburse** (RFRASPC_DISBURSE_IND) field is set to *M* (Manual) or *S* (System), the form now verifies that the Accounts Receivable detail code exists and that the **Detail Code Active** (TBBDETC_DETC_ACTIVE_IND) field is checked. A warning message indicates that when the **Disburse** value is *S* or *M*, the AR Detail must exist on RFRBASE and be an active detail code.

Fund Award and Disbursement Schedule Rules Form (RFRASCH)

The Fund Award and Disbursement Schedule Rules Form was modified to ensure that the fund code is active. If the fund code is inactive, the Autohint displays a message to indicate that the fund code is inactive. In addition, the List of Values has been updated to include the **Active** (RFRBASE_ACTIVE_IND) indicator.

Institution Financial Aid Options Form (ROAINST)

Options Tab

The form was modified to ensure that the requirements tracking code is active for the **Application Requirement Code** and **SAR Requirement Code** fields. If the requirements tracking code is inactive, the Autohint displays a message to indicate that the requirements tracking code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVTREQ_ACTIVE_IND) indicator.

The form was modified to ensure that the SAP code is active for the **Initial SAP Status** and **Exception SAP Status** fields. If the SAP code is inactive, the Autohint displays a message to indicate that the SAP code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVSAPR_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVSAPR_PRIORITY) field.

The form was modified to ensure that the budget group is active. If the budget group is inactive, the Autohint displays a message to indicate that the budget group is inactive. In addition, the List of Values has been updated to include the **Active** (RTVBGRP_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVBGRP_PRIORITY) field.

The form was modified to ensure that the requirements tracking group is active. If the requirements tracking group is inactive, the Autohint displays a message to indicate that the requirements tracking group is inactive. In addition, the List of Values has been updated to include the **Active** (RTVTGRP_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVTGRP_PRIORITY) field.

The form was modified to ensure that the packaging group is active. If the packaging group is inactive, the Autohint displays a message to indicate that the packaging group is inactive. In addition, the List of Values has been updated to include the **Active** (RTVPGRP_ACTIVE_IND) indicator and to display six digits for the **Group Priority** (RTVPGRP_GROUP_PRIORITY) and **Award Priority** (RTVPGRP_AWARD_PRIORITY) fields.

Loan Options Tab

The tab was modified to ensure that the **Entrance Interview Requirement Code** and **Exist Interview Requirement Code** fields are active. If the requirements tracking code is

The **Group Active** (RTVBGRP_ACTIVE_IND) field has been added to the form to allow you to see if a budgeting group is active or inactive for an aid year. The length of the **Group Priority** (RTVBGRP_PRIORITY) field has been changed from 3 characters to 6 characters.

The **Rules Exist** field is now a checkbox field. A check in this field indicates that budgeting group assignment rules exist.

The **Rules Active** (RORGDAT_ACTIVE_IND) field has been added to the form to enable you to view when budgeting group rules exist and are active on the Financial Aid Selection Rules Form (RORRULE) for a particular aid year.

Field	Description
Group Active	(RTVBGRP_ACTIVE_IND) Indicates whether the budgeting group code is active.
Rules Active	(RORGDAT_ACTIVE_IND) Budget group rules active indicator. Indicates when budgeting group rules exist and are active on the Financial Aid Selection Rules Form (RORRULE) for a particular aid year.

Packaging Group Type

The screenshot shows a software window titled "Group Inquiry ROIGRP1 8.0 (s10b80)". At the top, there are dropdown menus for "Aid Year" (set to 0708, 2007-2008 aid year) and "Group Type" (set to Packaging). Below these is a table with the following columns: Code, Description, Group Active, Group Priority, Award Priority, Rules Exist, Rules Active, Information Access, Student Count, and Activity Date. The first row is highlighted and contains the following data: Code: ONFRSH, Description: On time Freshman, Group Active: , Group Priority: 45, Award Priority: 10, Rules Exist: , Rules Active: , Information Access: , Student Count: 13, Activity Date: 04-APR-2006. Below the table, there is a summary line: "Student Count ==> Total: 60 Query: 13".

The **Group Active** (RTVPGRP_ACTIVE_IND) field has been added to the form to allow you to see if a packaging group is active or inactive for an aid year.

The length of the **Group Priority** (RTVPGRP_GROUP_PRIORITY) field has been changed from 3 characters to 6 characters. The length of the **Award Priority** (RTVPGRP_AWARD_PRIORITY) field has been changed from 3 characters to 6 characters.

The **Rules Exist** field is now a checkbox field. A check in this field indicates that packaging group assignment rules exist.

The **Rules Active** (RORGDAT_ACTIVE_IND) field has been added to the form to enable you to view when packaging group rules exist and are active on the Financial Aid Selection Rules Form (RORRULE) for a particular aid year.

Field	Description
Group Active	(RTVPGRP_ACTIVE_IND) Indicates whether the packaging group code is active.
Rules Active	(RORGDAT_ACTIVE_IND) Packaging group rules active indicator. Indicates when packaging group rules exist and are active on the Financial Aid Selection Rules Form (RORRULE) for a particular aid year.

Tracking Group Type

The screenshot shows a software window titled "Group Inquiry ROIGRP1 8.0 (s10b80)". At the top, there are dropdown menus for "Aid Year" (set to 0708, 2007-2008 aid year) and "Group Type" (set to Tracking). Below these is a table with the following columns: Code, Description, Group Active, Group Priority, Award Priority, Rules Exist, Rules Active, Information Access, Student Count, and Activity Date. The first row of the table is highlighted and contains the following data: Code: INDNVR, Description: Independent No Verify, Group Active: , Group Priority: 10, Award Priority: (empty), Rules Exist: , Rules Active: , Information Access: , Student Count: 0, Activity Date: 04-APR-2006. Below the table, there is a summary line: "Student Count ==> Total: 35 Query: 0".

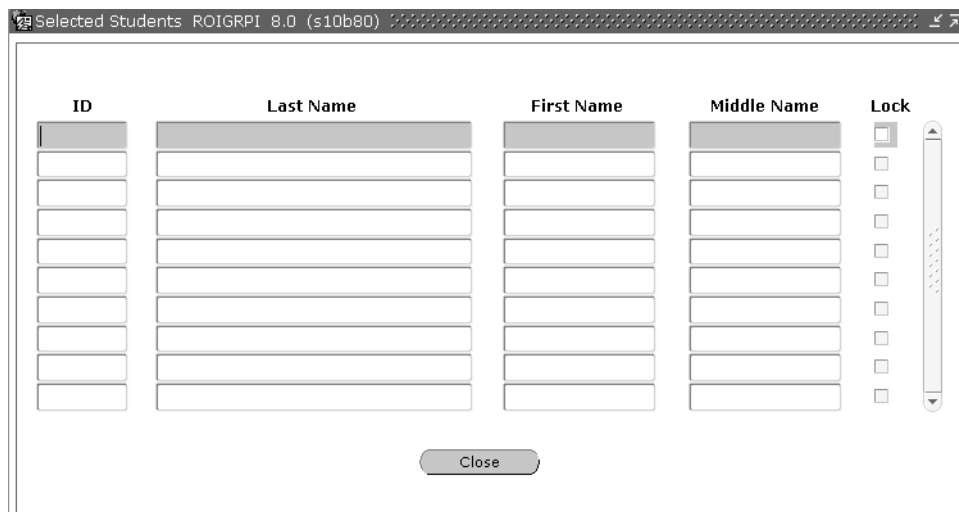
The **Group Active** (RTVTGRP_ACTIVE_IND) field has been added to the form to allow you to see if a requirements tracking group is active or inactive for an aid year.

The length of the **Group Priority** (RTVTGRP_PRIORITY) field has been changed from 3 characters to 6 characters.

The **Rules Exist** field is now a checkbox field. A check in this field indicates that requirements tracking group assignment rules exist.

Field	Description
Status Active	(RTVSAPR_ACTIVE_IND) Indicates whether the satisfactory academic progress code is active.
Rules Active	(RORGDAT_ACTIVE_IND) Satisfactory academic progress status rules active indicator. Indicates when satisfactory academic progress code rules and are active on the Financial Aid Selection Rules Form (RORRULE) for a particular aid year.

Selected Students Window



A new View Students option has been added to the Options Menu. When you select View Students from the Options Menu, the Selected Students Window displays a list of students that have been assigned to the group for the aid year (budgeting, packaging, tracking) or the term (SAP).

Field	Description
ID	(SPRIDEN_ID) Student Identifier.
Last Name	(SPRIDEN_LAST_NAME) Student Last Name.
First Name	(SPRIDEN_FIRST_NAME) Student First Name.
Middle Name	(SPRIDEN_MI) Student Middle Name.
Lock	Indicates if the group code or SAP status is locked for the student.

Student Employment Referral Form (RJASERF)

Satisfactory Academic Progress Window

The form was modified to ensure that the SAP code is active. If the SAP code is inactive, the Autohint displays a message to indicate that the SAP code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVSAPR_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVSAPR_PRIORITY) field.

Applicant Status Form (ROASTAT)

Eligibility Status Tab

Satisfactory Academic Progress Block

The form was modified to ensure that the SAP code is active. If the SAP code is inactive, the Autohint displays a message to indicate that the SAP code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVSAPR_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVSAPR_PRIORITY) field.

Batch Posting Rules Form (RORPOST)

The form was modified to ensure that the SAP code is active for an *S* (Satisfactory Academic Progress) value in the **Type Indicator** field. If the SAP code is inactive, the Autohint displays a message to indicate that the SAP code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVSAPR_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVSAPR_PRIORITY) field.

The form was modified to ensure that the requirement code is active for the **Code to Post** field for an *R* (Requirement Code/Status) or *RF* (Fund Specific Requirements) value in the **Type Indicator** field. If the requirement code is inactive, the Autohint displays a message to indicate that the requirement code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVTREQ_ACTIVE_IND) indicator.

Financial Aid Selection Rules Form (RORRULE)

The screenshot shows the 'Financial Aid Selection Rules - RORRULE 8.0 (s10b80)' window. At the top, there are several fields: 'Rule Type' is set to 'B=Budget Group Assignment', 'Aid Year' is '0708' (2007-2008 aid year), 'Group Code' is 'UGINON' (Undergrad Resident On Campus), and 'Fund Code' is empty. There is a checked 'Active' checkbox. Below these is a 'Selection Criteria' section with a template: '(* Table Name [] Column Name [] Operator [] Value *) AND/OR'. A list of criteria is shown in a scrollable area: 'rcrapp1_inst_hous_cde = '2' and', 'rcrapp1_stat_code_res = 'RT' and', '(rcrapp1_yr_in_coll in ('1','2','3','4','5','6')) or', 'rcrapp1_yr_in_coll is null) and', and 'rcrapp1_curr_rec_ind = 'Y''. At the bottom, there is a 'Copy To' button and a checked 'Rule Active' checkbox.

Key Block

The **Rule Type** field was modified so that when you use the down arrow or up arrow within this field, the cursor remains on the **Rule Type** field so that you can scroll through the list of options.

The List of Values for the fund, budget, packaging, satisfactory academic progress, and requirements tracking groups in the Key Block and Copy To Block were modified to display the **Active** field and to increase the **Priority** field to 6 digits.

Key Block Group Active Field

The following table lists the source of the new Key Block Group **Active** field for the given **Rule Type**.

Rule Type	Active indicator value populated from
A (Fund Awarding)	RFRBASE_ACTIVE_IND
B (Budget Group Assignment)	RTVBGRP_ACTIVE_IND
D (Fund Disbursement)	RFRBASE_ACTIVE_IND
F (Packaging Group Fund Awarding)	RTVPGRP_ACTIVE_IND
P (Packaging Group Assignment)	RTVPGRP_ACTIVE_IND

Rule Type	Active indicator value populated from
S (Satisfactory Academic Progress)	RTVSAPR_ACTIVE_IND
T (Requirements Tracking Group)	RTVTGRP_ACTIVE_IND

Key Block Fund Active Field

The List of Values for the **Fund Code** field in the Key Block and Copy To Block were modified to display the **Active** field. The following table lists the source of the Key Block Fund **Active** indicator for the given **Rule Type**.

Rule Type	Active indicator value populated from
F (Packaging Group Fund Awarding)	RFRBASE_ACTIVE_IND

The Key Block Fund **Active** field is only visible when the F (Packaging Group Fund Awarding) rule type has an associated fund code in the **Fund Code** field.

Field	Description
Active (Group)	Indicates whether the packaging group code is active. Refer to the preceding Key Block Group Active field chart for the source of the Active indicator value.
Active (Fund)	Indicates whether the fund code is active. The Key Block Fund Active field is only visible when the F (Packaging Group Fund Awarding) rule type has an associated fund code in the Fund Code field.

Selection Criteria/Compiled and Expert SQL/Copy To Blocks

The **Rule Active** (RORGDAT_ACTIVE_IND) field has been added to this form to enable you to inactivate budget group assignment rules, packaging group assignment rules, requirements tracking group rules, fund awarding rules, fund disbursement rules, packaging group fund awarding rules, and satisfactory academic progress rules for any aid year.

Note

This is a non-base table item in both the RORGSQL and RORCMPL blocks.

Field	Description
Rule Active	(RORGDAT_ACTIVE_IND) Group rule active indicator. Indicates when budget group assignment rules, packaging group assignment rules, requirements tracking group rules, fund awarding rules, fund disbursement rules, packaging group fund awarding rules, and satisfactory academic progress rules exist and are active on the Financial Aid Selection Rules Form (RORRULE) for a particular aid year.

The form now allows a rule to display - without additions or changes to the rule - under the following conditions:

- The group (RTVBGRP_CODE, RTVPGRP_CODE, RTVSAPR_CODE or RTVTGRP_CODE) is inactive (RTVXXXX_ACTIVE_IND = 'N').
- The rule is for a fund code which is inactive (RFRBASE_ACTIVE_IND = 'N').
- The rule itself has been inactivated (RORGDAT_ACTIVE_IND = 'N').

Copy To Block

You can copy an inactive rule to a new rule. When you copy to a new rule, the new rule status defaults to active.

You cannot copy to a rule that has an inactive budgeting (RTVBGRP_CODE), packaging (RTVPGRP_CODE), satisfactory academic progress (RTVSAPR_CODE) or requirements tracking (RTVTGRP_CODE) group.

SAP Translation Rules Form (RORSTRF)

The form was modified to ensure that the SAP code is active for the **Previous SAP Status**, **Calculated SAP Status**, and **New SAP Status** fields. If the SAP code is inactive, the Autohint displays a message to indicate that the SAP code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVSAPR_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVSAPR_PRIORITY) field.

Package Maintenance Form (RPAAPMT)

Award Maintenance Tab

Amount	Date
Original Offer: 2,000.00	26-OCT-2007
Offered: 2,000.00	26-OCT-2007
Accepted: 2,000.00	26-OCT-2007
Declined:	
Cancelled:	
Memoed:	
Authorized:	
Paid:	

Unmet Need:	Replace EFC:	Tracking Requirement:	Federal Limit:	Fund Limit:	Fund Award Rule:	Year in College:	No Pell:
N=No	N=No	N=No	N=No	N=No	Y=Yes	N=No override	N=No

Budget:	Resource:	Offered:	Group:	Pell EFC:	Aid Period:	EFC:	Gross Need:	Unmet Need:
23,722.00	.00	2,000.00	UGINON	2479	FA/SPR	2,479.00	21,243.00	19,243.00

The new **Fund Award Rule** override (RPROWRD_OVERRIDE_FUND_RULE) field allows you to override a Fund Award Rule, if one exists, for the aid year when manually awarding a fund.

Field	Description
Fund Award Rule	(RPRAWRD_OVERRIDE_FUND_RULE) Indicates whether the fund awarding rule will be overridden when manually awarding a fund to the student. The allowable values for this field are Y (Yes), N (No), or None.

Packaging Group Tab

The tab was modified to ensure that when the packaging group code is selected, it is active. If the packaging group code is inactive, the Autohint displays a message to indicate that the packaging group code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVPGRP_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVPGRP_GROUP_PRIORITY) field.

Fund Awards by Term Tab

The new **Fund Disbursement Rule Override** (RPRATRM_OVERRIDE_DISB_RULE) field allows you to override a Fund Disbursement Rule, if one exists, for the term.

Field	Description
Fund Disbursement Rule Override	(RPRATRM_OVERRIDE_DISB_RULE) Indicates whether the fund disbursement rule will be overridden when disbursing a fund to the student for a term. The allowable values for this field are Y (Yes), N (No), or None.

Award Maintenance Form (RPAAWRD)

Award Maintenance Tab – Override Tab

The new **Fund Award Rule** override (RPAAWRD_OVERRIDE_FUND_RULE) field allows you to override a Fund Award Rule, if one exists, for the aid year when manually awarding a fund.

Field	Description
Fund Award Rule	(RPAAWRD_OVERRIDE_FUND_RULE) Indicates whether the fund awarding rule will be overridden when manually awarding a fund to the student. The allowable values for this field are Y (Yes), N (No), or None.

Packaging Group Tab

The tab was modified to ensure that when the packaging group code is selected, it is active. If the packaging group code is inactive, the Autohint displays a message to indicate that the packaging group code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVPGRP_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVPGRP_GROUP_PRIORITY) field.

Fund Awards by Term Tab – Options Tab

The **CIP Code Override** and **NSLDS Override** fields were moved to the new Overrides tab.

Fund Awards by Term Tab – Overrides Tab

The **CIP Code** and **NSLDS** override fields were moved from the Fund Awards by Term tab – Options tab to this tab.

The new **Fund Disbursement Rule** (RPRATRM_OVERRIDE_DISB_RULE) field allows you to override a Fund Disbursement Rule, if one exists, for the term.

Field	Description
Fund Disbursement Rule	(RPRATRM_OVERRIDE_DISB_RULE) Indicates whether the fund disbursement rule will be overridden when disbursing a fund to the student for a term. The allowable values for this field are <i>Y</i> (Yes), <i>N</i> (No), or <i>None</i> .

Loan Application Form (RPALAPP)

The INSERT_RRRAREQ form trigger that inserts tracking requirements when loan options on the RPRLOPT Form are set up to create a requirement when the loan application is created now checks to ensure that the requirements tracking code you use is an active requirements tracking code. If the requirements tracking code is inactive, an error message displays and the loan application is not created.

Award Offer Mass Entry Form (RPAMOFF)

The new **Fund Award Rule** override (RPPAWRD_OVERRIDE_FUND_RULE) field allows you to override a Fund Award Rule, if one exists, for the aid year.

Field	Description
Fund Award Rule	(RPRAWRD_OVERRIDE_FUND_RULE) Indicates whether the fund awarding rule will be overridden when manually awarding a fund to the student. The allowable values for this field are <i>Y</i> (Yes), <i>N</i> (No), or <i>None</i> .

Default Packaging Rules Form (RPRDEFR)

The screenshot shows the 'Default Packaging Rules' form (RPRDEFR) for the 2007-2008 aid year. It is divided into three main sections:

- Gap Packaging:** Includes fields for Percent of Gross Need, Gap Amount, Algorithmic Rule Code (set to HAL2), and Activity Date (16-NOV-2007).
- Equity Packaging:** Includes fields for Percent of Gross Need, Percent of Budget, Equity Amount, Algorithmic Rule Code (set to MARK2), Maximum Award Amount (1,000.00), and Activity Date (16-NOV-2007).
- Self-Help Packaging:** Includes fields for Percent of Gross Need, Percent of Budget, Self-Help Amount, Algorithmic Rule Code (set to CJS_ACTIVE_ALGO_PKG_RULE), Minimum Award Amount (1,000.00), Maximum Award Amount, and Activity Date (12-NOV-2007).

Gap Packaging Block

The new **Algorithmic Rule Code** (RPRDEFG_ALGR_CODE) field enables you to perform gap packaging based on specific rules, rather than by set amounts. The algorithmic rule code must exist and be active on the Algorithmic Packaging Rule Code Validation Form (RTVALGR). You must ensure that all sequences for the aid year and algorithmic packaging rule code have been validated on the Algorithmic Packaging Rules Form (RPRALGR).

An edit in the Gap Packaging Block ensures you can only enter one of the following items in this block: **Percent of Gross Need**, **Gap Amount**, or **Algorithmic Rule Code**. The three fields are mutually exclusive.

Field	Description
Algorithmic Rule Code	<p>(RPRDEFG_ALGR_CODE) The algorithmic packaging rule that determines the total gap to leave in the student's package during the awarding process.</p> <p>The algorithmic rule code must exist and be active on the Algorithmic Packaging Rule Code Validation Form (RTVALGR). You must ensure that all sequences for the aid year and algorithmic packaging rule code have been validated on the Algorithmic Packaging Rules Form (RPRALGR).</p> <p>An edit in the Gap Packaging Block ensures you can only enter one of the following items in this block: Percent of Gross Need, Gap Amount, or Algorithmic Rule Code. The three fields are mutually exclusive.</p> <p>Select List to see values from the Algorithmic Packaging Rule Code Validation (RTVALGR) window.</p>

Equity Packaging Block

The new **Algorithmic Rule Code** (RPRDEFE_ALGR_CODE) field enables you to perform equity packaging based on specific rules, rather than by set amounts.

The algorithmic rule code must exist and be active on the Algorithmic Packaging Rule Code Validation Form (RTVALGR). You must ensure that all sequences for the aid year and algorithmic packaging rule code have been validated on the Algorithmic Packaging Rules Form (RPRALGR).

An edit in the Equity Packaging Block ensures you can only enter one of the following items in this block: **Percent of Gross Need, Percent of Budget, Equity Amount, or Algorithmic Rule Code**. The four fields are mutually exclusive.

You can enter an amount in the **Maximum Award Amount** field if you've already entered a value in the **Percent of Gross Need, Percent of Budget, or Algorithmic Rule Code** fields. The **Maximum Award Amount** caps the award amount at this amount. If RPRDEFR rules are defaulted into the Packaging Rules Form (RPRPCKR) when the packaging process executes, the **Maximum Award Amount** is applied after the calculation of the amount is complete.

Field	Description
Algorithmic Rule Code	<p>(RPRDEFE_ALGR_CODE) The algorithmic packaging rule that calculates the total of the student's equity awards during packaging.</p> <p>The algorithmic rule code must exist and be active on the Algorithmic Packaging Rule Code Validation Form (RTVALGR). You must ensure that all sequences for the aid year and algorithmic packaging rule code have been validated on the Algorithmic Packaging Rules Form (RPRALGR).</p> <p>An edit in the Equity Packaging Block ensures you can only enter one of the following items in this block: Percent of Gross Need, Percent of Budget, Equity Amount, or Algorithmic Rule Code. The four fields are mutually exclusive.</p> <p>You can enter an amount in the Maximum Award Amount field if you've already entered a value in the Percent of Gross Need, Percent of Budget, or Algorithmic Rule Code fields. The Maximum Award Amount caps the award amount at this amount. If RPRDEFR rules are defaulted into the Packaging Rules Form (RPRPCKR) when the packaging process executes, the Maximum Award Amount is applied after the calculation of the amount is complete.</p> <p>Select List to see values from the Algorithmic Packaging Rule Code Validation (RTVALGR) window.</p>

Self-Help Packaging Block

The new **Algorithmic Rule Code** (RPRDEFS_ALGR_CODE) field enables you to perform self-help packaging based on specific rules, rather than by set amounts.

The algorithmic rule code must exist and be active on the Algorithmic Packaging Rule Code Validation Form (RTVALGR). You must ensure that all sequences for the aid year and algorithmic packaging rule code have been validated on the Algorithmic Packaging Rules Form (RPRALGR).

An edit in the Self-Help Packaging Block ensures you can only enter one of the following items in this block: **Percent of Gross Need, Percent of Budget, Self-Help Amount, or Algorithmic Rule Code**. The four fields are mutually exclusive.

You can enter amounts in the **Minimum Award Amount** and **Maximum Award Amount** fields if you've already entered a value in the **Percent of Gross Need, Percent of Budget, or Algorithmic Rule Code** fields. The **Minimum Award Amount** ensures the award amount reaches at least this minimum (this assumes that the dollar amount of self-help

funds on RPRGFND is enough to support the minimum). The **Maximum Award Amount** caps the award amount at this amount. If RPRDEFR rules are defaulted into the Packaging Rules Form (RPRPCKR) when the packaging process executes, the **Minimum Award Amount** and **Maximum Award Amount** is applied after the calculation of the amount is complete.

Field	Description
Algorithmic Rule Code	<p>(RPRDEFS_ALGR_CODE) The algorithmic packaging rule that determines the amount of the student’s self-help awards during packaging.</p> <p>The algorithmic rule code must exist and be active on the Algorithmic Packaging Rule Code Validation Form (RTVALGR). You must ensure that all sequences for the aid year and algorithmic packaging rule code have been validated on the Algorithmic Packaging Rules Form (RPRALGR).</p> <p>An edit in the Self-Help Packaging Block ensures you can only enter one of the following items in this block: Percent of Gross Need, Percent of Budget, Self-Help Amount, or Algorithmic Rule Code. The four fields are mutually exclusive.</p> <p>You can enter an amount in the Minimum Award Amount and Maximum Award Amount fields if you’ve already entered a value in the Percent of Gross Need, Percent of Budget, or Algorithmic Rule Code fields. The Minimum Award Amount ensures the award amount reaches at least this minimum (this assumes that the dollar amount of self-help funds on RPRGFND is enough to support the minimum). The Maximum Award Amount caps the award amount at this amount. If RPRDEFR rules are defaulted into the Packaging Rules Form (RPRPCKR) when the packaging process executes, the Minimum Award Amount and Maximum Award Amount is applied after the calculation of the amount is complete.</p> <p>Select List to see values from the Algorithmic Packaging Rule Code Validation (RTVALGR) window.</p>

Message Rules Form (RORMESG)

Key Block

An edit on the **Aid Year** code field in the Key Block now ensures that the aid year is active when you add, change, or delete data on the RORMESG Form. You can query data for

inactive aid years. If the aid year is inactive, the Autohint displays a message to indicate that the aid year is inactive.

An edit on the **Type** field in the Key Block now ensures that the requirements tracking and budgeting group codes are active when you add, change, or delete data on the RORMESG Form. You can query data for inactive requirements tracking and budgeting group codes.

The form was modified to ensure that the budgeting group code is active. If the budgeting group code is inactive, the Autohint displays a message to indicate that the budgeting group code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVBGRP_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVBGRP_PRIORITY) field.

The form was modified to ensure that the requirements tracking code is active. If the requirements tracking code is inactive, the Autohint displays a message to indicate that the requirements tracking code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVTREQ_ACTIVE_IND) indicator.

Packaging Group Fund Source Maximums Rules Form (RPRFSRC)

The screenshot shows a web-based form titled "Packaging Group Fund Source Maximums Rules (RPRFSRC)". At the top, there is a dropdown menu for "Aid Year" set to "0809" with the text "2008-2009 aid year" below it. The main part of the form is a table with the following columns: "Packaging Group", "Group Description", "Fund Source", "Source Description", "Maximum Amount", and "Activity Date". The "Activity Date" column has a date "21-MAR-2008" entered in the first row. Below the table is a "Copy To" section with an "Aid Year" dropdown and a "Copy" button.

You can now enter up to 10 fund source codes for the same packaging group and aid year. An error message displays if you enter more than 10 packaging groups within the same aid year.

The form was modified to ensure that the packaging group code is active. If the packaging group code is inactive, the Autohint displays a message to indicate that the packaging group code is inactive. In addition, the List of Values has been updated to include the

Active (RTVPGRP_ACTIVE_IND) indicator and to display six digits for the **Group Priority** (RTVPGRP_GROUP_PRIORITY) and **Award Priority** (RTVPGRP_AWARD_PRIORITY) fields.

The **Group Description** and **Source Description** fields were added to this form to display a packaging group description and a fund source description.

Field	Description
Group Description	Packaging Group description.
Source Description	Fund Source description.

Packaging Group Fund Rules Form (RPRGFND)

The screenshot shows the 'Packaging Group Fund Rules' form. At the top, there are dropdown menus for 'Aid Year' (0708) and 'Packaging Group' (MKFUND), with a note 'MK fund based on another fund'. Below this is a table with the following columns: Fund, Short Description, Priority, Minimum Award Amount, Maximum Award Amount, Percent of Unmet Need, EFC Method, Algorithmic Rule Code, and Activity Date. The table contains several rows of data, including 'MERIT', 'SEOG', 'PERK', 'STFD', and 'UNSTFD'. At the bottom of the form, there is a 'Copy To' section with dropdown menus for 'Aid Year' and 'Packaging Group', and a 'Copy' button.

Fund	Short Description	Priority	Minimum Award Amount	Maximum Award Amount	Percent of Unmet Need	EFC Method	Algorithmic Rule Code	Activity Date
MERIT	Merit Scholarship	10	.00	90,000.00	100.000	F	M_FUNDBASEDONOTHE	07-JAN-2008
SEOG	Federal SEOG	20	.00	4,000.00	100.000	F		25-MAR-2008
PERK	Federal Perkins Loan	30	.00	4,000.00	100.000	F		25-MAR-2008
STFD	Federal Stafford Loan	40	200.00	18,500.00	100.000	F		25-MAR-2008
UNSTFD	Federal Unsub. Staffoi	50	.00	18,500.00	100.000	F		25-MAR-2008

Key Block and Copy To Block

The form was modified to ensure that the packaging group code is active. If the packaging group code is inactive, the Autohint displays a message to indicate that the packaging group code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVPGRP_ACTIVE_IND) indicator and to display six digits for the **Group Priority** (RTVPGRP_GROUP_PRIORITY) and **Award Priority** (RTVPGRP_AWARD_PRIORITY) fields.

Priority Group Fund Rules Block

The form was modified to include the **Active** (RFRBASE_ACTIVE_IND) field in the List of Values for the **Fund** code field.

The **Short Description** (RFRBASE_FUND_TITLE) field was added to the form.

The **Priority Code** field name was changed to **Priority**. This field was increased from 3 to 6 characters.

The **Algorithmic Rule Code** (RPRGFND_ALGR_CODE) was added to the form to allow the use of an algorithmic packaging rule to be used by fund.

Field	Description
Short Description	(RFRBASE_FUND_TITLE) The short description of the fund code.
Priority	(RPRGFND_PRIORITY) Packaging group fund priority. The priority order in which funds are awarded during automatic packaging; lowest priority numbers are awarded first.
Algorithmic Rule Code	(RPRGFND_ALGR_CODE) The algorithmic packaging rule that is used for a fund. The algorithmic rule code must exist and be active on the Algorithmic Packaging Rule Code Validation Form (RTVALGR). You must ensure that all sequences for the aid year and algorithmic packaging rule code have been validated on the Algorithmic Packaging Rules Form (RPRALGR). Select List to see values from the Algorithmic Packaging Rule Code Validation (RTVALGR) window.

Copy To Block

When you execute the Copy function, only active fund codes are inserted into the new aid year and packaging group. The **Algorithmic Rule Code** field is now copied during the Copy process.

Loan Options Form (RPRLOPT)

Key Block

The form was modified to include the **Active** (RFRBASE_ACTIVE_IND) field in the List of Values for the **Fund** field.

Loan Options Block

The form was modified to ensure that tracking requirements code is active for the **Loan Application Requirement Code** field. If the requirements tracking code is inactive, the

Autohint displays a message to indicate that the requirements tracking code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVTREQ_ACTIVE_IND) indicator.

Packaging Rules Form (RPRPCKR)

The screenshot shows the 'Packaging Rules' form (RPRPCKR) for Banner Financial Aid 8.0. At the top, there are dropdown menus for 'Aid Year' (set to 0708) and 'Packaging Group' (set to ONFRSH, On time Freshman). The main form area is divided into three columns: 'GAP Packaging', 'Equity Packaging', and 'Self-Help Packaging'. Each column has input fields for 'Percent of Gross Need', 'Percent of Budget', 'Amount', 'Minimum Award', and 'Maximum Award'. A row of three dropdown menus is labeled 'Algorithmic Rule Code'. Below these fields are two empty text input boxes.

Key Block

The form was modified to ensure that the packaging group code is active. If the packaging group code is inactive, the Autohint displays a message to indicate that the packaging group code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVPGRP_ACTIVE_IND) indicator and to display six digits for the **Group Priority** (RTVPGRP_GROUP_PRIORITY) and **Award Priority** (RTVPGRP_AWARD_PRIORITY) fields.

Gap Packaging

The new **Algorithmic Rule Code** (RPRGGAP_ALGR_CODE) field enables you to perform gap packaging based on specific rules, rather than by set amounts. The algorithmic rule code must exist and be active on the Algorithmic Packaging Rule Code Validation Form (RTVALGR). You must ensure that all sequences for the aid year and algorithmic packaging rule code have been validated on the Algorithmic Packaging Rules Form (RPRALGR).

An edit in the Gap Packaging section ensures you can only enter one of the following items in this section: **Percent of Gross Need**, **Gap Amount**, or **Algorithmic Rule Code**. The three fields are mutually exclusive.

Field	Description
Algorithmic Rule Code	<p>(RPRGGAP_ALGR_CODE) The algorithmic packaging rule that determines the total gap to leave in the student's package during the awarding process.</p> <p>The algorithmic rule code must exist and be active on the Algorithmic Packaging Rule Code Validation Form (RTVALGR). You must ensure that all sequences for the aid year and algorithmic packaging rule code have been validated on the Algorithmic Packaging Rules Form (RPRALGR).</p> <p>An edit in the Gap Packaging section ensures you can only enter one of the following items in this section: Percent of Gross Need, Gap Amount, or Algorithmic Rule Code. The three fields are mutually exclusive.</p> <p>Select List to see values from the Algorithmic Packaging Rule Code Validation (RTVALGR) window.</p>

Equity Packaging Block

The new **Algorithmic Rule Code** (RPRGEQY_ALGR_CODE) field enables you to perform equity packaging based on specific rules, rather than by set amounts.

The algorithmic rule code must exist and be active on the Algorithmic Packaging Rule Code Validation Form (RTVALGR). You must ensure that all sequences for the aid year and algorithmic packaging rule code have been validated on the Algorithmic Packaging Rules Form (RPRALGR).

An edit in the Equity Packaging section ensures you can only enter one of the following items in this section: **Percent of Gross Need, Percent of Budget, Equity Amount, or Algorithmic Rule Code**. The four fields are mutually exclusive.

You can enter an amount in the **Maximum Award Amount** field if you've already entered a value in the **Percent of Gross Need, Percent of Budget, or Algorithmic Rule Code** fields. The **Maximum Award Amount** caps the award amount at this amount. When the packaging process executes, the **Maximum Award Amount** is applied after the calculation of the amount is complete.

Field	Description
Algorithmic Rule Code	<p>(RPRGEQY_ALGR_CODE) The algorithmic packaging rule that calculates the total of the student's equity awards during packaging.</p> <p>The algorithmic rule code must exist and be active on the Algorithmic Packaging Rule Code Validation Form (RTVALGR). You must ensure that all sequences for the aid year and algorithmic packaging rule code have been validated on the Algorithmic Packaging Rules Form (RPRALGR).</p> <p>An edit in the Equity Packaging section ensures you can only enter one of the following items in this section: Percent of Gross Need, Percent of Budget, Equity Amount, or Algorithmic Rule Code. The four fields are mutually exclusive.</p> <p>You can enter an amount in the Maximum Award Amount field if you've already entered a value in the Percent of Gross Need, Percent of Budget, or Algorithmic Rule Code fields. The Maximum Award Amount caps the award amount at this amount. When the packaging process executes, the Maximum Award Amount is applied after the calculation of the amount is complete.</p> <p>Select List to see values from the Algorithmic Packaging Rule Code Validation (RTVALGR) window.</p>

Self-Help Packaging Block

The new **Algorithmic Rule Code** (RPRGSHP_ALGR_CODE) field enables you to perform self-help packaging based on specific rules, rather than by set amounts.

The algorithmic rule code must exist and be active on the Algorithmic Packaging Rule Code Validation Form (RTVALGR). You must ensure that all sequences for the aid year and algorithmic packaging rule code have been validated on the Algorithmic Packaging Rules Form (RPRALGR).

An edit in the Self-Help Packaging section ensures you can only enter one of the following items in this section: **Percent of Gross Need, Percent of Budget, Self-Help Amount, or Algorithmic Rule Code**. The four fields are mutually exclusive.

You can enter amounts in the **Minimum Award Amount** and **Maximum Award Amount** fields if you've already entered a value in the **Percent of Gross Need, Percent of Budget, or Algorithmic Rule Code** fields. The **Minimum Award Amount** ensures the award amount reaches at least this minimum. (This assumes that the dollar amount of self-help funds on RPRGFND is enough to support the minimum.) The **Maximum Award Amount**

caps the award amount at this amount. When the packaging process executes, the **Minimum Award Amount** and **Maximum Award Amount** is applied after the calculation of the amount is complete.

Field	Description
Algorithmic Rule Code	<p>(RPRGSHP_ALGR_CODE) The algorithmic packaging rule that determines the amount of the student's self-help awards during packaging.</p> <p>The algorithmic rule code must exist and be active on the Algorithmic Packaging Rule Code Validation Form (RTVALGR). You must ensure that all sequences for the aid year and algorithmic packaging rule code have been validated on the Algorithmic Packaging Rules Form (RPRALGR).</p> <p>An edit in the Self-Help Packaging section ensures you can only enter one of the following items in this section: Percent of Gross Need, Percent of Budget, Self-Help Amount, or Algorithmic Rule Code. The four fields are mutually exclusive.</p> <p>You can enter an amount in the Minimum Award Amount and Maximum Award Amount fields if you've already entered a value in the Percent of Gross Need, Percent of Budget, or Algorithmic Rule Code fields. The Minimum Award Amount ensures the award amount reaches at least this minimum. (This assumes that the dollar amount of self-help funds on RPRGFND is enough to support the minimum.) The Maximum Award Amount caps the award amount at this amount. When the packaging process executes, the Minimum Award Amount and Maximum Award Amount is applied after the calculation of the amount is complete.</p> <p>Select List to see values from the Algorithmic Packaging Rule Code Validation (RTVALGR) window.</p>

Applicant Requirements Form (RRAAREQ)

Applicant Requirements Tab

The form was modified to ensure that the requirements tracking group code is active. If the requirements tracking group code is inactive, the Autohint displays a message to indicate that the requirements tracking group code is inactive. In addition, the List of

Values has been updated to include the **Active** (RTVTGRP_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVTGRP_PRIORITY) field.

 **Note**

Once you enter a requirements tracking code for a student, the requirements tracking code continues to be active for that student (even if you inactivate the requirements tracking code after that point). If you later remove the requirement from the student's record and then attempt to re-insert the requirement (which is now inactive), the requirements tracking code is treated as inactive and will not be inserted. ■

Applicant Requirements Mass Entry (RRAMASS)

The form was modified to ensure that the requirements tracking code that you enter in the **Requirement Code** field is an active requirements tracking code. If the requirements tracking code is inactive, the Autohint displays a message to indicate that the requirements tracking code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVTREQ_IND) indicator.

The form was modified to include the **Active** (RFRBASE_ACTIVE_IND) field in the List of Values for the **Fund** field.

Requirements Tracking Group/Requirements Rules Form (RRRGREQ)

Key Block

The form was modified to ensure that the requirements tracking group code is active. If the requirements tracking group code is inactive, the Autohint displays a message to indicate that the requirements tracking group code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVTGRP_ACTIVE_IND) indicator and to display six digits for the **Priority** (RTVTGRP_PRIORITY) field.

Tracking Group Requirement Rules Block

The form was modified to ensure the requirements tracking code is active. If the requirements tracking code is inactive, the Autohint displays a message to indicate that the requirements tracking code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVTREQ_IND) indicator.

Copy To Block

The form was modified to prevent you from copying data to a requirements tracking group code that is inactive. The form does permit you to copy data from an inactive group to an active group.

If you attempt to copy a requirements tracking group that has an inactive requirements tracking code, an error message displays and the copy is not performed.

Data Source Code Validation Form (RTVINFC)

Main Window

The form was modified to ensure the requirements tracking code is active for the **Code Requirements** and **Supplemental Requirements** fields. If the requirements tracking code is inactive, the Autohint displays a message to indicate that the requirements tracking code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVTREQ_IND) indicator.

Aid Year Specific Rules Window

The form was modified to ensure the requirements tracking code is active for the **Requirements Code** field. If the requirements tracking code is inactive, the Autohint displays a message to indicate that the requirements tracking code is inactive. In addition, the List of Values has been updated to include the **Active** (RTVTREQ_IND) indicator.

Satisfactory Academic Progress Validation Form (RTVSAPR)

SAP Status	Description	Priority	Code Active	Prevent Packaging	Prevent Disbursement	Which Aid	Letter	Message Number
R	Reviewed Making Good Progress	5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None		
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

The length of the **Priority** (RTVSAPR_PRIORITY) field has been changed from 3 characters to 6 characters. A low/high value range was added to this field to limit the value from 1 – 999999. (If you currently have values outside of this range, processing is not impacted.)

However, if you try to add any new codes, or update the priority value of an existing code, you must use the values within this range).

The **Code Active** (RTVSAPR_ACTIVE_IND) field has been added to the form to allow you to see if a satisfactory academic progress code type is active or inactive for all aid years.

Once an SAP status is saved, you can no longer update the **SAP Status** field.

Field	Description
Code Active	(RTVSAPR_ACTIVE_IND) Indicates whether the satisfactory academic progress code is active.

The following logic was added to this form.

- You cannot delete a satisfactory academic progress code if rules exist for that SAP code on the Financial Aid Selection Rules Form (RORRULE) for any aid year.
- You cannot inactivate an SAP code that is used as the **Initial SAP Status** (ROBINST_SAPR_CODE) on the Options Tab of the Institution Financial Aid Options Form (ROAINST). The logic only checks for aid years that are active.
- You cannot inactivate an SAP code that is used as the **Exception SAP Status** (ROBINST_SAPR_CODE_EXCEPT) on the Options Tab of the Institution Financial Aid Options Form (ROAINST). The logic only checks for aid years that are active.
- You cannot inactivate an SAP code that is used as the **Calculated SAP Status** (RORSTRF_SAPR_CODE_CALC) on the SAP Translation Rules Form (RORSTRF).
- You cannot inactivate an SAP code that is used as the **New SAP Status** (RORSTRF_SAPR_CODE_NEW) on the SAP Translation Rules Form (RORSTRF).
- If you try to inactivate a group/code and the group/code is used as a default value on the ROAINST Form, validation is performed only on active aid years. In other words, if the default value is used for an inactive aid year, an error message does not display when inactivating a group/code. However, the error message does appear if the group/code is used for an active aid year.
- Logic for priority numbers has changed. Negative numbers are no longer permitted. However, if you have used a negative number prior to this release, errors will not occur when entering the form or during processing.

Requirements Tracking Validation Form (RTVTREQ)

The screenshot displays the RTVTREQ 8.0 application window. It contains four distinct requirement tracking entries, each with the following fields and options:

- Entry 1:** Code: ADMIT3, Active (checked), Message Number: 3220. Options: Packaging (checked), Memo (checked), Disbursement (checked), Letter Exclusion (unchecked), Perkins MPN (unchecked), Satisfy All (unchecked), Required Once (unchecked), Update Prior Year (unchecked), Access Indicator (checked), Information Access (checked).
- Entry 2:** Code: ADMIT4, Active (checked), Message Number: 3220. Options: Packaging (checked), Memo (checked), Disbursement (checked), Letter Exclusion (unchecked), Perkins MPN (unchecked), Satisfy All (unchecked), Required Once (unchecked), Update Prior Year (unchecked), Access Indicator (checked), Information Access (checked).
- Entry 3:** Code: ADMIT6, Active (checked), Message Number: 3220. Options: Packaging (checked), Memo (checked), Disbursement (checked), Letter Exclusion (checked), Perkins MPN (unchecked), Satisfy All (unchecked), Required Once (unchecked), Update Prior Year (unchecked), Access Indicator (checked), Information Access (checked).
- Entry 4:** Code: AFDC, Active (checked), Message Number: 1234. Options: Packaging (unchecked), Memo (unchecked), Disbursement (checked), Letter Exclusion (unchecked), Perkins MPN (unchecked), Satisfy All (unchecked), Required Once (unchecked), Update Prior Year (unchecked), Access Indicator (checked), Information Access (checked).

A number of fields were moved to give the form a less complex layout. The **Requirements Code** field name was changed to **Code**.

The **Active** (RTVTREQ_ACTIVE_IND) field has been added to the form to allow you to activate or inactivate a requirements tracking code for all aid years. The **Long** field name was changed to **Long Description**.

The **Once** field name was changed to **Required Once**. The **Access Ind** field name was changed to **Access Indicator**.

Field	Description
Active	(RTVTREQ_ACTIVE_IND) Indicates whether the requirements tracking code is active. Uncheck this field to inactivate a requirements tracking code for all aid years.

RTVTREQ Form and the Inactivation of Tracking Requirement Code Default Values

The RTVTREQ Form now displays an error message if you try to inactivate a tracking requirement code which is used as a default for any active aid year. The form checks all active aid years for the following fields/columns.

Institution Financial Aid Options (ROAINST)

Application Requirement Code (ROBINST_TREQ_CODE_APPL)

SAR Requirement Code (ROBINST_TREQ_CODE_SAR)

Entrance Interview Requirement Code (ROBINST_TREQ_CODE_ENTER_INTV)

Exit Interview Requirement Code (ROBINST_TREQ_CODE_EXIT_INTV)

Web Accept Tracking Rules (RORWEBA_TREQ_CODE)

Data Source Code Validation (RTVINFC) - Not Aid Year Specific

Code Requirements (RTVINFC_TREQ_CODE)

Supplemental Requirements (RTVINFC_TREQ_CODE_SUPP)

Data Source Code Validation (RTVINFC) - Aid Year Specific

Requirements Code (RCRINFC_TREQ_CODE)

Fund Management (RFRMGMT)

Tracking Code (RFRTREQ_TREQ_CODE)

Loan Options (RPRLOPT)

Loan Application Requirement Code (RPBLOPT_TREQ_CODE)

Requirements Tracking Group/Requirements Rules (RRRGREQ)

Tracking Group Requirement Rules (RRRGREQ_TREQ_CODE)

Message Rules (RORMESG)

Message Code (RRRTMSG_MESG_CODE)

Financial Aid System Global Establishment Form (ROOMENU)

A new global value was added for KEYBLCK_ALGR_CODE on the RPRALGR Form.

Form Library (ROQOLIB)

- An LOV and Record Group was created on table RTVALGR.
- An LOV and Record Group was created on table RTVFCAT
- An ALL_TABLES_LOV and ALL_TABLES_RG was created based on the following query:

```
select view_name name from all_views where substr(view_name,9,1) is null UNION select table_name name from all_tables where substr(table_name,9,1) is null
```
- An ALL_TAB_COLUMNS_LOV and ALL_TAB_COLUMNS_RG was created based on the following query:

```
select column_name, data_type, data_length from all_tab_columns where table_name = :global.table_name
```

The following LOVs and Record Groups which are referenced by other forms were modified to include the corresponding column RTVXXXX_ACTIVE_IND: RTVTGRP_PRIORITY, RTVSAPR_PRIORITY, RTVBGRP_PRIORITY, RTVPGRP_AWARD_PRIORITY, RTVPGRP_GROUP_PRIORITY, RTVTGRP_PRIORITY. Also the display of priority codes was expanded from 3 to 6 characters.

Rvtreq_rg
Rvtreq_lov
Rvtgrp_rg
Rvtgrp_lov
Rvsapr_rg
Rvsapr_lov
Rvbgrp_rg
Rvbgrp_lov
Rvpgrp_rg
Rvpgrp_lov
Rfrbase_rg
Rfrbase_lov
Rfrbase_work_rg
Rfrbase_work_lov
Rfrbase_aidy_rg
Rfrbase_aidy_lov

Financial Aid PL/SQL Library (roqrpls.pll)

The `R$_INSERT_RORSAPR` procedure, which is referenced by many Financial Aid forms, was modified to insert a new RORSAPR Satisfactory Academic Progress record for a student and aid year. For the `SAPR_CODE` passed into the procedure, the procedure verifies that the SAP code is active (`RTVSAPR_ACTIVE_IND = 'Y'`).

Changed Menus

Packaging and Disbursement Menu (*RESPACK)

The following new forms were added to this menu.

Award Inquiry (RPIAWRD)

Award Term Inquiry (RPIATRM)

Packaging and Disbursement Control Menu (*RESPACKCM)

The following new forms were added to this menu.

Algorithmic Packaging Rules (RPRALGR)

Packaging Group Fund Category Maximums Rules (RPRFCAT)

Algorithmic Packaging Rule Code Validation Table (RTVALGR)

Fund Category Validation Table (RTVFCAT)

New Reports and Processes

Fund Balance Roll Process (RFPFBRL)

The new Fund Balance Roll Process rolls fund balances forward from one aid year to the next aid year.

Parameter Name	Required?	Description	Values
01 From Aid Year	Yes	Aid year code from which fund balances are rolled.	Aid Year Inquiry (ROIAIDY)
02 To Aid Year	Yes	Aid year code to which fund balances are rolled.	Aid Year Inquiry (ROIAIDY)
03 Fund Code	No	Fund code balance to roll.	Fund Base Data (RFRBASE)
04 Fund Source	No	Fund source balance to roll.	Fund Source Code Validation (RTVFSRC)
05 Fund Type	No	Fund type balance to roll.	Financial Aid Fund Type Validation (RTVFTYP)
06 Federal Fund ID	No	Federal Fund ID balance to roll.	Federal Fund ID Inquiry (RFIFID)
07 Fund Balance Roll Option	Yes	Rolls the prior year amount using the remaining offered, accepted, or paid amount. The default is the offered amount.	<i>O</i> (Offered) <i>A</i> (Accepted) <i>P</i> (Paid)
08 Adjust From Yr Total Allocated	Yes	Adjust the prior year allocation amount by the amount rolled? (<i>Y</i> or <i>N</i>) The default is <i>N</i> .	<i>Y</i> (Adjust prior year allocation amount) <i>N</i> (Do not adjust prior year allocation amount)
09 Print Option	Yes	Print the report? (<i>Y</i> or <i>N</i>) The default is <i>Y</i> .	<i>Y</i> (Yes, print the report.) <i>N</i> (No, do not print the report.)

Fund Balance Roll Option

- If the Fund Balance Roll Option (parameter 07) is set to *O* (Offered), the process rolls the **Total Allocated Amount** (RFRASPC_TOTAL_ALLOC_AMT) minus the **Current Offer** amount (RFRASPC_OFFER_AMT) in the From Aid Year to the **Prior Balance** amount (RFRASPC_PRIOR_BAL_AMT) in the To Aid Year.
- If the Fund Balance Roll Option (parameter 07) is set to *A* (Accepted), the process rolls the **Total Allocated Amount** (RFRASPC_TOTAL_ALLOC_AMT) minus the **Accepted Amount** (RFRASPC_ACCEPT_AMT) in the From Aid Year to the **Prior Balance** amount (RFRASPC_PRIOR_BAL_AMT) in the To Aid Year.

- If the Fund Balance Roll Option (parameter 07) is set to *P* (Paid), the process rolls the **Total Allocated Amount** (RFRASPC_TOTAL_ALLOC_AMT) minus the **Paid Amount** (RFRASPC_PAID_AMT) in the From Aid Year to the **Prior Balance amount** (RFRASPC_PRIOR_BAL_AMT) in the To Aid Year.

If the **Prior Balance** amount is not zero in the To Aid Year, the process does not update the **Prior Balance** amount for that particular fund. An error message is included in the output file. The process continues on to the next fund to process any remaining fund balance rolls.

When the **Prior Balance** amount is updated, the **Total Allocated Amount** is also updated to the total of the **Prior Balance** (RFRASPC_PRIOR_BAL_AMT) plus the **Transferred Amount** (RFRASPC_TRANSFER_AMT) plus the **Budget Allocated** (RFRASPC_BUDG_ALLOC_AMT) amount.

When the **Prior Balance** amount is updated, the **Over-Commitment Percent** (RFRASPC_AVAIL_OFFER_PCT) is also recalculated by dividing the **Available to Offer** amount (RFRASPC_AVAIL_OFFER_AMT) by the new **Total Allocated Amount** (RFRASPC_TOTAL_ALLOC_AMT).

Adjusting the Prior Year Allocation Amount

If the Adjust From Yr Total Allocated option (parameter 08) is set to *Y* (Adjust prior year allocation amount), the prior year **Budget Allocated** amount and **Total Allocated Amount** are reduced by the adjustment amount calculated from the Fund Balance Roll Option for the From Aid Year code and the current fund code being processed. The **Over-Commitment Percent** amount is also recalculated.

Changed Reports and Processes

Packaging Process (RPEPCKG)

Processing Changes

- If a Fund Awarding rule has been inactivated, the process bypasses any rules that are inactive.
- If a Packaging Group Fund Awarding rule has been inactivated, the process bypasses any rules that are inactive.
- If a Packaging Group has been inactivated, the process bypasses any groups that are inactive.
- Anytime RPEPCKG uses an Algorithmic Packaging Rule and a NULL value is returned, a message in the .lis file will indicate such.

- If a NULL value is returned while RPEPCKG is processing the rule on RPRPCKR, RPEPCKG stops processing for the student and continues.
- If a NULL value is returned while RPEPCKG is processing funds for the student, the process continues with the next fund on RPRGFND.
- Changes were made for the expansion of the length of award priority and group priority to 6 digits.
- Changes were made to accommodate the new Fund Award Rule Override. A value of *N* is passed into RPRAWRD_OVERRIDE_FUND_RULE for all calls packaging award validation.
- Variables were expanded for the new updated Round Award column.
- A new temporary RPTNEED table has been created for you to use in creating algorithmic rules. A row is inserted into the table for each student that is processed prior to packaging the student and is deleted after processing the student.
- Fund packaging limits by fund source processing has been corrected. RPEPCKG only allowed you to set a limit for one source code per packaging group on RPRFSRC. You can now set limits for multiple fund sources per packaging group; RPEPCKG has been modified to handle multiple fund source codes. Up to 10 fund source codes per packaging group are permitted. If more than 10 are found, a warning displays in the log file and processing continues.
- Fund packaging limits by fund category are now available. This processing is similar to that for fund source limits. Up to 10 fund category codes per packaging group are permitted. If more than 10 are found, a warning displays in the log file and processing continues.

The RFRFCAT table associates one or more category codes with a fund code on RFRBASE. RPRFCAT allows you to set category limits by aid year, packaging group, and category code. RPEPCKG was modified so that, as each student is processed, if any category limits are set on RPRFCAT for the packaging group and aid year processed, award totals are kept for each category on RPRFCAT and each fund code that is associated with that category on RFRBASE. At any point when the limit is exceeded for a category, an error message indicating a fund category maximum has been reached is printed on the Packaging Award Report.

- The process has been modified to use the new Gap Packaging, Equity Packaging, and Self-Help Packaging **Algorithmic Rule Code** field on the Packaging Rules (RPRPCKR) Form. If this field contains a rule code, the processing for the **Percent of Gross Need**, **Percent of Budget**, and **Amount** fields is ignored: the RPEPCKG Process instead uses the value in the **Algorithmic Rule Code** field. The process returns a calculated value for the Gap, Equity, or Self-Help Packaging award amount. If any errors are encountered, an error message displays in the log file for the student, bypasses any further processing for the student, and continues to the next student to be packaged. If a **Maximum Award** or **Minimum Award** amount exists for the group, it is applied after the rule has been used to calculate an amount.

- The process has been modified to use the new **Algorithmic Rule Code** field on the Packaging Group Fund Rules (RPRGFND) Form. If this field contains a rule code, the RPEPCKG Process uses the value in the **Algorithmic Rule Code** field. The process returns a calculated value for the award amount for a student and fund code. If any errors are encountered, an error message displays in the log file for the student, bypasses any further processing for the student, and continues to the next fund to be packaged for the student. If a **Maximum Award** or **Minimum Award** amount exists for the group, it is applied after the rule has been used to calculate an amount. If the RPRGFND_MAX_AWARD amount is less than the Algorithmic Rule result, the RPRGFND_MAX_AWARD amount is used. If the RPRGFND_MIN_AWARD amount is greater than the Algorithmic Rule result 0 is used.

New Parameters



Note

Review and update your stored/parameter definitions since new parameters have been added. ■

Parameter Name	Required?	Description	Values
12 Ignore Tracking Requirements	Yes	Ignore tracking requirements when you run packaging in simulation mode? (This parameter is only valid if the Action Indicator is set to S (Simulated Packaging).	Y (Yes, ignore tracking requirements.) N (No, do not ignore tracking requirements.)

Parameter Name	Required?	Description	Values
13 Award Exhausted Fund Option	Yes	Provides the option of awarding or not awarding a fund that has been exhausted during simulated packaging. (This parameter is only valid if the Action Indicator is set to <i>S</i> (Simulated Packaging)).	<i>Y</i> (Yes, award the exhausted fund.) <i>N</i> (No, do not award the exhausted fund.)
14 Calculate Pell Award	Yes	Provides the option of calculating a Pell award. Note: If you run RPEPCKG in Actual mode, an actual Pell award is calculated. If you run RPEPCKG in Simulated mode, a simulated Pell award is calculated.	<i>Y</i> (Yes, calculate Pell award.) <i>N</i> (No, do not calculate Pell award.)

Additional Ignore Tracking Requirements Option Parameter Information

Simulated Packaging when executed with the Ignore Tracking Requirements parameter set to *Y*, will evaluate the applicant's eligibility for all funds defined for the packaging group.

When Simulated Packaging is executed with the Ignore Tracking Requirements parameter set to *N*, or when Actual Packaging is executed, the RPEPCKG process requires at least one fund in the packaging group on RPRGFND have the **Override Requirement** set to *Y* on RFRMGMT for eligibility for the funds to be evaluated for the applicant; an error message will be printed in the output that *Applicant Has Outstanding Requirements* as appropriate for the funds evaluated and the **Packaging Complete Date** will not be populated for Actual Packaging in this case. If at least one requirement has the **Override Requirement** set to *Y* on RFRMGMT, the packaging process will only package funds where the override requirement is set to *Y* on RFRMGMT.

Additional Award Exhausted Fund Option Parameter Information

Award Exhausted Fund Option Set to Y (Yes)

In Simulated Packaging with the Award Exhausted Fund Option set to *Y* (Yes), if a fund runs out of available money during packaging, the system:

1. Displays the amount that the system attempted to package on the RPBFUND report under the *INSUFFICIENT* column heading.
2. Reports the amount on the RPBAWRD report as being awarded (validated) and adds it to the awarded totals.
3. Creates the RPTAWRD Temporary Award record with the validated amount.

Award Exhausted Fund Option Set to N (No)

In Simulated Packaging with the Award Exhausted Fund Option set to *N* (No), if a fund runs out of available money during packaging, the system:

1. Displays the amount that the system attempted to package on the RPBFUND report under the *INSUFFICIENT* column heading.
2. Displays a *Money not available for fund* message on the RPBAWRD report.
3. Does not create an RPTAWRD Temporary Award record.
4. Continues on to evaluate the next fund specified in RPRGFND.

Applicant Budget Report (RBRABUD)

The Report Summary at the end of the report was modified to increase the **Priority** field from 3 to 6 digits. The **Active** field has also been added to the summary.

2007-2008 FA Data Load Part 3 (RCRTP08)

The process has been modified to ensure that only active **Application Requirement Codes** (ROBINST_TREQ_CODE_APPL), **Code Requirements** (RTVINFC_TREQ_CODE), **Supplemental Requirements** (RTVINFC_TREQ_CODE_SUPP), and **Aid Year Specific Requirements** (RCRINFC_TREQ_CODE) are used in processing.

Fund Description Report (RFRFUND)

The report output has been modified to add the new **Long Description** field and to use the new RFRASPC_ROUND_AWARD_AMT (NUMBER) column for the **Round Award** field.

The report displays simple rules for awarding and disbursement, selected from the RORGSQ (Simple rules) table. The process now checks that the rule is active for the fund and includes the new Active indicator. If only Expert awarding or disbursement rules exist for a fund (RORCMPL) and the rule is active, the report displays the message: *Expert Award Rules Exist which may be viewed on form RORRULE*. If the rule is inactive (regardless of whether rules are simple or expert), the report displays the following message: *Award Rules inactive; Rules exist and may be viewed on form RORRULE*.

Financial Aid New Year Roll Process (ROPROLL)

The following changes were made to the ROPROLL process.

- Logic was updated so that if a row already exists in a table for the aid year to which you roll data, an error message indicates that rows currently exist for the table; only non-existing rows are rolled. (Previously, if any rows existed for the aid year, no rows were rolled.)
- The roll of the RFRASPC table was modified to use the roll of the new RFRASPC_ROUND_AWARD_AMT column and to remove the roll of the RFRASPC_ROUND_AWARD_IND column.
- The new RPRALGR table was added to the roll process. The rule code must have an active status.
- The new RPRFCAT table was added to the roll process.
- The RPRFSRC table was added to the roll process.
- The roll of the RORGDAT table was modified to roll the new RORGDAT_ACTIVE_IND column. Only active RORGDAT rules and their associated RORGSQ and RORCMPL rows are rolled.
- The roll of the Default Equity Packaging Rules Table (RPRDEFE) was modified to include the new RPRDEFE_ALGR_CODE column - provided the code is in an active status.
- The roll of the Default Gap Packaging Rules Table (RPRDEFG) was modified to include the new RPRDEFG_ALGR_CODE column - provided the code is in an active status.
- The roll of the Default Self-Help Packaging Rules Table (RPRDEFS) was modified to include the new RPRDEFS_ALGR_CODE column - provided the code is in an active status.
- The roll of the Packaging Group Equity Packaging Rules Table (RPRGEQY) was modified to include the new RPRGEQY_ALGR_CODE column - provided the code is in an active status. The roll of this table was also modified to exclude inactive packaging group records.
- The roll of the Packaging Group Gap Packaging Rules Table (RPRGGAP) was modified to include the new RPRGGAP_ALGR_CODE column - provided the code is in

an active status. The roll of this table was also modified to exclude inactive packaging group records.

- The roll of the Packaging Group Self-Help Packaging Rules Table (RPRGSHP) was modified to include the new RPRGSHP_ALGR_CODE column - provided the code is in an active status. The roll of this table was also modified to exclude inactive packaging group records.
- The roll of the Packaging Group Fund Rules Table (RPRGFND) was modified to include the new RPRGFND_ALGR_CODE column - provided the code is in an active status. The roll of this table was also modified to exclude records with inactive packaging group records or inactive fund code records.
- The roll of the Budget Group Components Table (RBRCOMP) was modified to only roll data if the budget group is active.
- The roll of the Budget Group Message Table (RBRGMSG) was modified to only roll data if the budget group is active.
- The roll of the Requirements Tracking/Requirements Rule Table (RRRGREQ) was modified to only roll data if the requirements tracking group and tracking requirements are active.
- Data for the following columns is not rolled if the fund code is inactive.
RFRASPC_FUND_CODE
RFRCOMM_FUND_CODE
RFRBCMP_FUND_CODE
RFRDETC_FUND_CODE
RFRTRREQ_FUND_CODE
RFRMMSG_FUND_CODE
RPBLOPT_FUND_CODE
- The roll of the Campus Defaults Table (RORCAMP) was modified to only roll the campus Pell code if it is active. If the campus Pell code is inactive, the RORCAMP_PELL_FUND_CODE is set to null. All other RORCAMP data is rolled.
- Data for the following columns is not rolled if the requirements tracking code is inactive. The report lists the inactive requirements tracking codes.
RFRTRREQ_TREQ_CODE
RRRTMSG_TREQ_CODE
RRRGREQ_TREQ_CODE
RCRINFC_TREQ_CODE
- The roll of the Loan Options Table (RPBLOPT) was modified to only roll the Loan Application Requirement code if the requirements tracking code is active. If the requirements tracking code is inactive, the RPBLOPT_TREQ_CODE is set to null. All other RPBLOPT data is rolled.

SAP Assignment Process (ROPSAPR)

If a Satisfactory Academic Progress code has been inactivated, the process bypasses any codes that are inactive.

Batch Posting Process (RORBPST)

The RORBPST process now uses the new **Active** indicator on the RTVSAPR Form.

- The process ensures that the default SAP code is active.
- The process also checks that the SAP code is active when posting codes with an *S* (Satisfactory Academic Progress) posting type.

Automatic Group Assignment (RORGRPS)

- If a Budgeting, Packaging, or Requirements Tracking group assignment rule has been inactivated, the process bypasses any rules that are inactive.
- If a Budgeting, Packaging, or Requirements Tracking group has been inactivated, that group code is bypassed during processing.
- Group codes which had no rules created for the code for the aid year displayed a message in the assigned students report **WARNING* group not defined for the aid year. Ignored*. These warning messages made this report difficult to read and were removed from the assigned students report (.lis file). The same messages already display in the .log file created by the process.
- The requirements tracking group, budgeting group, and packaging group priority fields have been expanded from 3 to 6 digits.

Packaging Print Process Award Report (RPBAWRD)

The length of the award priority and group priority has been modified so that the report displays the full 6 digit priority.

Packaging Sort Process (RPBSORT)

The length of fields that sort the award priority and group priority have been expanded from 28 to 34 characters.

Disbursement Process (RPEDISB)

If a fund disbursement rule has been inactivated, the process bypasses any rules that are inactive.

The process was updated to use the new **Fund Disbursement Rule Override** option. If RPRATRM_OVERRIDE_DISB_RULE = Y and a Fund Disbursement rule exists and is active, the fund for that student will be disbursed.

Pell Calculation Process (RPEPELL)

The RPEPELL process now allows you to simulate the Pell award packaging. RPEPCKG was modified to allow the calculation of Pell awards during packaging. When the RPEPCKG process calls the RPEPELL process, RPEPCKG passes 2 new process parameters to RPEPELL. These parameters are internal processing parameters and are not used by job submission during batch processing of RPEPCKG or RPEPELL.

- The first new parameter identifies the process that is calling RPEPELL.
- The second parameter identifies whether you are performing A (Actual) or S (Simulated) packaging.

If RPEPELL is called by RPEPCKG (param_calling_process = 'RPEPCKG') and simulated packaging is performed (param_award_type = 'S', simulated Pell awards are calculated and the RPTAWRD table is updated. Otherwise, standard Pell processing occurs and actual Pell awards are created.

Award Roll Process (RPRAROL)

The RPRAROL process was updated to use the new RFRASPC_ROUND_AWARD_AMT column for the **Round Award** field when rounding amounts during the calculation of the new award amount.

Note

If you need to roll a 0 award, the RPRAROL process will roll an offered/accepted amount of 0 from one aid year to the next aid year. If your institution does not want to roll a fund with a 0 value, cancel the fund instead of leaving the offered/accepted amount as 0. ■

Award Validation Report (RPRVAWD)

The RPRVAWD process was updated to use the new **Fund Award Rule** override field (on RPAAWRD and RPAAPMT) when validating an award.

Disbursement Validation Report (RPRVDIS)

The RPRVDIS process was updated to use the new **Fund Disbursement Rule Override** (on RPAAWRD and RPAAPMT) when validating a disbursement.

Exit Interview Requirements (RRREXIT)

The RRREXIT process creates tracking requirements for exit interviews. RRREXIT was updated to validate that the Exit Requirement Code parameter is an active requirements tracking code.

Financial Aid Transcript Requests (RSRPCOL)

The RSRPCOL process creates tracking requirements for Banner Financial Aid transcript requests. RSRPCOL was updated to validate that the Requirements Tracking Code parameter is an active requirements tracking code.



3 Internationalization - Functional



The Banner system is used by higher education institutions worldwide. As Banner is enhanced and modernized, one major initiative is to make the system more adaptable for use in different countries and with different languages. This ongoing effort is called internationalization (and often abbreviated I18N). Internationalization reduces the amount of custom modifications required to make Banner usable for clients in various countries.

For this release, several major changes were made to support internationalization.

Unicode Support

With this release, Banner supports the Unicode international character set through the character standard UTF8. As a part of the installation process for Release 8.0, Banner's Oracle database is converted to the UTF8 standard.

UTF8 is a flavor of the Unicode Standard. Unicode is an industry standard designed to allow text and symbols of all writing systems of the world to be consistently represented and manipulated by computers. Unicode provides a unique number for every character no matter what the platform, program or language.

SunGard Higher Education's decision to adopt the use of UTF8 for data storage is based upon its ability to represent any universal character in the Unicode standard, yet the initial encoding of byte codes and character assignments is consistent with ASCII - requiring little or no change for products that handle ASCII, but preserve other values. It is also becoming the preferred encoding for e-mail, web pages, and other areas where characters are stored or streamed.

The UTF8 Oracle setting is enabled to allow the Banner database to support all character sets. The semantics of the database were changed from `BYTE` to `CHAR`.

Additional IDs

A new table, the Additional Identification Table (GORADID), allows you to store any number of extra IDs for a person. Each Additional ID must be assigned an ID Type. You can set up Additional ID Types using the new Additional Identification Type Validation Form (GTVADID).

A new **Additional ID** tab on the SPAIDEN, PPAIDEN, APAIDEN, and FOAIDEN forms displays the new Additional ID information. See the *Banner General 8.0 Release Guide* for more information.

Enhanced Fields

For this release, many fields have been expanded on Banner tables and forms. These fields can now accommodate longer data values that might be needed. The types of fields that have been expanded include the following:

- Name
- Address
- Telephone number
- E-mail address
- ID
- Currency amount
- Currency rate

For complete information about I18N, including detailed information about changes to many Banner General objects, refer to the *Banner General 8.0 Release Guide*.

Banner Financial Aid

As noted earlier, the Banner system is used by higher education institutions worldwide. As Banner is enhanced and modernized, one major initiative is to make the system more adaptable for use in different countries and with different languages. However, the use of some Banner Financial Aid forms requires that field lengths for U.S. financial aid programs follow specific standards. This section outlines the changes made to Banner Financial Aid to accommodate the U.S. standards and to allow the forms to be used internationally.

U.S. field length requirements for data transmission use established standards such as those determined by the EDE, COD, NSLDS, and CommonLine. In order to follow the standards for U.S. based programs and to still enable international schools to use the same forms for their purposes, the Banner Financial Aid product now uses a new International Translation Rules Table (RTVINTL). This validation table holds both U.S. and international data lengths. A new checkbox on the ROAINST Form allows you to set the Banner Financial Aid System to utilize pre-existing data lengths (the default) or to use the new expanded field lengths.

Field Lengths on Forms Used Principally by United States (U.S.) Schools

The Financial Aid and International data length values in the RTVINTL table determine if data entered in a form for a particular column in this table is at the correct data length. If the **International Indicator** checkbox on the ROAINST Form is not checked, the data entered will conform to U.S. properties.

Note

If you are a U.S.-based client, do not check the **International Indicator** as it will interfere with U.S.-specific processing. When this field is unchecked (the default value), the forms in the list below will ensure that you are using the same traditional lengths required for U.S. financial aid programs. ■

Forms that Enforce Standardized Field Lengths for U.S. Financial Aid Processing

If you do not check the **International Indicator** checkbox, the following forms will ensure that the necessary field lengths are used for U.S. financial aid processing.

Note

If you try to exceed the maximum length designated as the financial aid data length (RTVINTL_FA_LENGTH) in the RTVINTL table, you will receive a warning message and the extra characters in the field will be truncated (the extra characters over the maximum number of characters will be removed from the field) after you tab to the next field. ■

Financial Aid Suspended Records Maintenance (RCRSUSP)
ISIR Correction/Request (REACORR)
Grant Origination/Acknowledgement (REAORxx)
Need Analysis (RNANAxX)
Need Analysis Processing (RNAPRxx)
Supplemental Need Analysis (RNASUxx)
Institution Financial Aid Options (ROAINST)
Applicant Pell Grant (ROAPELL)
Electronic Loan Application (RPAELAP)
Direct Loan Origination (RPALORG)



Note

A listing of the affected fields and their U.S. versus. International lengths is included in the Algorithmic Packaging - Technical section under New and Modified Requirements. ■

Expanded Field Lengths on Forms Used Internationally

The Financial Aid and International data length values in the RTVINTL table determine if data entered in a form for a particular column in this table is at the correct data length. If the **International Indicator** checkbox on the ROAINST Form is checked, you may enter information on Banner Financial Aid forms using the expanded field lengths.



Note

A check in the **International Indicator** field indicates that you want to use extended international field lengths on Banner Financial Aid Forms. ■

The NSLDS Transfer Monitoring Application (RNATMNT) and Data Request Record (RERRDRQ) forms are used specifically for U.S.-specific processes. If the **International Indicator** is checked, you will receive a message indicating that the form is not accessible for international processing.



Warning

Do not check the **International Indicator** field if you are a U.S. based school. Refer to the previous section for more details. ■

Expanded Fields to Support Global Name and Address Standards

In support of Banner internationalization, the existing data elements that store name, address, telephone number, e-mail address, and social security numbers were expanded.

Field	Length
First Name	60
Middle Initial	60
Legal Name	500
Street Line 1	75
Street Line 2	75
Street Line 3	75
City	50
Zip	30
Phone Area	6
Phone Number	12
Phone Extension	10
E-mail address	128
Social Security Number	15

New Fields Added to Banner Financial Aid Tables

New data elements were added to certain Financial Aid tables that store additional name, address and telephone data. These new data elements were only added to tables and not displayed on corresponding forms, self-service pages, or channels. This update provides the foundation for future international enhancements. The new data elements are as follows:

Field	Length
House Number	10
Street Line 4	75
Country Code (Telephone)	4
Surname Prefix	60

Changed Forms

Institution Financial Aid Options (ROAINST)

Options Tab

The **International Indicator** field was added to the Options tab.

Institution Financial Aid Options: ROAINST 8.0 (s10b80)

Aid Year: 0809

Options | Loan Options | Credit Hours | Exclude Course Levels | Defaults | Campus/EDE Defaults | Web Processing Rules

Aid Year Definition

Active Pivot: 01-MAR-2008

Description: 2008-2009 aid year

Start Date: 01-JUL-2008 Year: 2008

End Date: 30-JUN-2009 Year: 2009

Logging

Budgeting Packaging

Need Analysis EDE Correction

Rescheduled Disbursement Date

Use EFC Proration

INAS Short Calculation

International Indicator

Primary Application Source: EDE

Application Received Date Indicator: C=Date Created

Application Requirement Code:

Tracking Established Status: E

Source for Application Received Date:

Default Aid Period: FA/SPR

Initial SAP Status: X

Update Transaction Number and EFC: A=Always update

Current Term Code: 200910

Message Expiration Days:

Methodology Indicator: Federal
 Institutional

Non-Custodial Parent Contribution Option:

Budgeting Group: UGINON

Tracking Group: DEPVER

Packaging Group: ONFRSH

Exception SAP Status: D

SAR Requirement Code: MSAR

SAR Requirement Status: N

Field	Description
International Indicator	<p>(ROBINST_INTL_IND) Specifies the usage of international data lengths for Financial Aid processing. This field is related to the International Translation Rules (RTVINTL) validation table which holds both traditional United States data lengths and international data lengths.</p> <p>A check in this field indicates that you want to use the extended international field lengths. If the International Indicator field is not checked (the default), the data conforms to the U.S. properties.</p> <p>Note: If you are a U.S.-based client, do not check the International Indicator as it will interfere with U.S.-specific processing. When this field is unchecked (the default value), the forms will ensure that you are using the same traditional lengths required for U.S. financial aid programs.</p> <p>The NSLDS Transfer Monitoring Application (RNATMNT) and Data Request Record (RERRDRQ) forms are used specifically for U.S.-specific processes. If the International Indicator is checked, you will receive a message indicating that the form is not accessible for international processing.</p> <p>The setting for this indicator must be considered as a one-time setting. Review the value set in the prior year and re-establish the same value for the new aid year.</p>

SAR ID Inquiry (ROISARI)

The name of the **SAR ID** field was renamed to **SAR SSN** to accurately describe the contents of this field.

Electronic Loan Application (RPAELAP)

This enhancement increased the length of the **City** field. The city columns in the corresponding RPRLAPP table were increased to 50 characters. This resolves RPE CMS-RPE411760.

Placement Base Data (RJAPLBD)

An **E-mail** address field was added to the RJAPLBD form. The addition of the **E-mail** field (RJBPLBD_EMAIL_ADDRESS) resolves a request noted in RPE 1-67BFH.

The screenshot shows a window titled "Placement Base Data RJAPLBD 8.0 (s10b80)". It contains two forms. The first form has the following fields: Placement (LIBR Library), Supervisor (Jan Smith), Address (215 Orchard Way, Smith Building), City (Malvern), State/Province (PA), ZIP/Postal Code (19355), Nation (157 United States of America), Telephone (610 2342343), E-mail (redacted), and Activity Date (13-SEP-2007). The second form has: Placement (MAINT Maintenance Department), Supervisor (John Jacobs), Address (215 Orchard Way, Smith Building), City (Malvern), State/Province (PA), ZIP/Postal Code (19355), Nation (157 United States of America), Telephone (601 2346789 5555), E-mail (redacted), and Activity Date (31-AUG-2007).

Field	Description
E-mail	(RJBPLBD_EMAIL_ADDRESS) Supervisor's E-mail Address.

NSLDS Transfer Monitoring Application (RNATMNT)

The NSLDS Transfer Monitoring Application Form (RNATMNT) is used specifically for U.S.-specific processing. If the **International Indicator** checkbox on the ROAINST Form is checked, you will receive a message indicating that the form is not accessible for international processing.

Data Request Record (RERRDRQ)

The Data Request Record Form (RERRDRQ) is used specifically for U.S.-specific processing. If the **International Indicator** checkbox on the ROAINST Form is checked, you will receive a message indicating that the form is not accessible for international processing.

Applicant Data Log Inquiry (ROIALOG)

The ROBALOG_FROM and ROBALOG_TO columns were updated to 500 characters to allow for the logging of international data.

Data Log Inquiry (ROILOG)

The ROBALOG_FROM and ROBALOG_TO columns were updated to 500 characters to allow for the logging of international data.

Logging Activity Inquiry (ROILOGA)

The ROBALOG_FROM and ROBALOG_TO columns were updated to 500 characters to allow for the logging of international data.

Loan Application (RPALAPP)

This form does not use the RTVINTL translation rules. The loan application form will allow for the data entry of bio-demographic fields up to the maximum data length.

ROQMENU - Financial Aid Global Establishment Form

A new global variable SOURCE_TYPE was initialized on ROQMENU.

ROQOLIB – Financial Aid Object Library

New subclasses were created for the bio-demographic column types that were expanded.

Class	Max Length
R\$_FIRST_NAME_CLASS	60
R\$_LAST_NAME_CLASS	60
R\$_MIDDLE_NAME_CLASS	60
R\$_LEGAL_NAME_CLASS	500
R\$_ADDRESS_LINE_CLASS	75
R\$_CITY_CLASS	50
R\$_ZIP_CLASS	30
R\$_PHONE_AREA_CLASS	6
R\$_PHONE_NUMBER_CLASS	12
R\$_PHONE_EXT_CLASS	10
R\$_PHONE_CLASS	18

Class	Max Length
R\$_EMAIL_CLASS	128
R\$_SSN_CLASS	15
R\$_HOUSE_NUMBER_CLASS	10
R\$_PHONE_COUNTRY_CODE_CLASS	4
R\$_SURNAME_CLASS	60

ROQRPLS – Financial Aid PL/SQL Library

A new procedure was created to determine the data length for internationalized columns. The allowable data length is determined by the setting of the **International Indicator** (ROBINST_INTL_IND). If the **International Indicator** is checked, the length of data for the expanded fields will allow for the maximum length. If the **International Indicator** is unchecked, the data length will revert to the Financial Aid length.

Obsolete Forms

Financial Aid Transcript Request Form (RHARQST)

The Financial Aid Transcript Request Form (RHARQST) is now obsolete.

Changed Reports and Processes

All C program were converted to comply with the deployment of UTF-8.

FINAID Temporary SPRADDR Copybook (INSADDR2)

This copybook was updated to support a street address of 35-characters. It was originally set to 30-characters. The EDE record layout has always defined the street address as 35-characters.

Need Analysis Logging Report (RLRLOGG)

The process was updated to allow for the logging of data up to the new maximum column length.

FA New Year Roll Process (ROPROLL)

The new RTVINTL table was added to the process to allow the required data to roll forward to a new processing aid year.

Grant Origination Creation (RERORxx)

If the **International Indicator** checkbox is checked on the ROAINST Form, you will receive a message indicating the process is not accessible for international processing.

Obsolete Reports and Processes

Financial Aid Transcript Process (RHRTRAN)

The Financial Aid Transcript Process (RHRTRAN) is now obsolete.



4 Supplemental User ID/ Activity Date and Logging - Functional



Introduction

Banner Financial Aid user-defined table logging functionality was first introduced with the Early Decision Release in 2003. This logging support allows you to choose which Banner Financial Aid tables and columns to log, and which actions to log through the Logging Control Form (ROALOGC).

You can activate logging on a table by clicking the **Active?** checkbox to the right of the table description on the ROALOGC Form. You can log inserts, log updates, log deletions, and activate or inactivate all columns of the desired table. You may choose any combination of these options.

Table Name	Table Description	Active?	Log Inserts	Log Updates	Log Deletes	Activate All Columns	Inactivate All Columns	Activity Date
RBBABUD	Applicant Budget Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-DEC-2007
RBRACMP	Applicant Budget Component Table	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	06-SEP-2007
RBRCOMP	Budget Component Rules Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	08-NOV-2007
RBRGMSG	Budget Group Message Rules Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	08-NOV-2007
RBRGTYP	Budget Group/Budget Type Rules Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-DEC-2007
RBRMIXD	Applicant Mixed Enrollment Table	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-DEC-2007
RFRFCAT	Fund Category Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-DEC-2007
RBJOBT	Job Title Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-DEC-2007
RJBPLBD	Placement Base Data Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-DEC-2007
RJBSEDR	Student Employment Default Rules Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-DEC-2007
RJRPAYL	Payroll Load Rules Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-DEC-2007
RJRPLRL	Placement Rules Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-DEC-2007
RJRSEAR	Student Employment Authorization Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24-OCT-2007
RJRSERF	Student Employment Referral Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24-OCT-2007
RJRSEWH	Student Employment Work History Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-DEC-2007
ROBNYUD	Applicant Non Year User-Defined Data Table	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20-JUL-2007
ROBUSDF	Applicant User-Defined Data Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-DEC-2007
RORNYVD	Non Year User-Defined Variables Description Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-DEC-2007
RORSTAT	Applicant Status Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21-DEC-2007
RORUSER	User-Defined Variables Description Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	08-NOV-2007
RPBSTAB	Short-Term Credit Account Base Table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-DEC-2007
RPRADSB	Applicant Award Disbursement Table	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11-FEB-2008
RPRALGR	Algorithmic Packaging Rules Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30-JAN-2008

If you prefer to log specific columns, rather than all columns, navigate to the second window of this form. Here, you can place a check mark next to the columns you want to log under the **Log?** heading. You may choose any combination of columns to log.

The second window displays the detail for the logging record including the exact column name that was changed, the value prior to the change, and the new value. (This includes inserts and deletions - assuming you've set up this functionality on the ROALOGC Form).

Column Name	From	To
RORSTAT_ACG_DISB_LOCK_IND		N
RORSTAT_AIDY_CODE		0809
RORSTAT_ALTERNATEPELL_IND		N
RORSTAT_APRD_CODE		FA/SPR
RORSTAT_AWD_LTR_IND		N
RORSTAT_BGRP_CODE_LOCK_IND		N
RORSTAT_BGRP_PROC_IND		N
RORSTAT_CM_PC_LOCK_IND		N
RORSTAT_CM_SC_LOCK_IND		N
RORSTAT_CM_TFC_LOCK_IND		N
RORSTAT_DATA_ORIGIN		Banner
RORSTAT_FM_BATCH_LOCK		N
RORSTAT_FORMER_HEAL_IND		N
RORSTAT_IM_BATCH_LOCK		N
RORSTAT_IM_LOCK		N
RORSTAT_INST_PC_LOCK_IND		N
RORSTAT_INST_SC_LOCK_IND		N
RORSTAT_LOCK_IND		N
RORSTAT_PKG_FUND_PROC_IND		N

Tables with User-Defined Logging

Tables with user-defined logging prior to this release are:

- RBBABUD
- RBRACMP
- RORSTAT
- RPRADSB
- RPRATRM
- RPRAWRD
- RRRAREQ
- ROBUSDF,
- ROBNYUD,
- RORUSER
- RORNYVD
- RPRDEGR

User-Defined Logging Added to the Following Tables

This enhancement adds user-defined table logging functionality to the Banner Financial Aid Budget, Student Employment, and Short Term Credit modules. The additional tables are:

Budgeting Tables

- RBRMIXD
- RBRCOMP
- RBRGTYP
- RBRGMSG
- RTVBGRP
- RTVBTyp
- RTVCOMP

Short Term Credit Tables

- RPBSTAB
- RPRASTC
- RPRASTD
- RPRSTAC
- RTVCINT
- RTVRPSR

Student Employment Tables

- RBJOBT
- RJBPLBD
- RJBSEDR
- RJRPAYL
- RJRPLRL
- RJRSEAR
- RJRSERF
- RJRSEWH
- RTVAUST
- RTVRFST

Activity Date and User IDs Added to Banner Financial Aid Tables

In order to implement the addition of user-defined logging to the budgeting, short term credit, and student employment tables, the user ID and activity date were added, or modified, to utilize database triggers for the update of these values.

Existing Activity Date and/or User ID Columns are Now Nullable

In order to delete an activity date from a block level in an application form, the activity date must be defined as nullable.

Prior Logging Method Discontinued

This release includes install scripts that delete logging-only entries from the Data Dictionary Table (RORDATA) and the Supplemental Log Data Table (RORDSUP). This removes the prior logging method by preventing logging entries from being added to the Audit Log Table (ROBALOG) and Audit Log Supplemental Data Table (RORSLOG). The Data Dictionary Table (RORDATA) entries that control corrections were not deleted.

Additional scripts have deleted logging-only entries from the Audit Log Form/Data Code Table (RORDVAL). Entries that control corrections were not deleted.

For all new tables with user-defined logging:

- A database table entry was added to the Logging Control Base Table (ROBLOGC).
- An entry for each column of the database table was added to the Logging Control Repeating Table (RORLOGC).



5 Algorithmic Packaging - Technical



New Tables

Algorithmic Packaging Rules Table (RPRALGR)

The Algorithmic Packaging Rules Table is a new table with the following characteristics.

The Primary Key (PK_RPRALGR) uses the following columns:

RPRALGR_AIDY_CODE
RPRALGR_ALGR_CODE
RPRALGR_SEQ_NO

The Foreign Key Constraints are as follows.

FK1_RPRALGR_INV_ROBINST_CODE on column RPRALGR_AIDY_CODE references ROBINST_AIDY_CODE.

FK1_RPRALGR_INV_RTVALGR_CODE on column RPRALGR_ALGR_CODE references RTVALGR_CODE.

Column Name	Null?	Type	Data Values	Comment
RPRALGR_AIDY_CODE	NO	VARCHAR2(4)	ROBINST_EQ UAL_AIDY_A CTIVE	AID YEAR CODE: The aid year code in which the algorithmic packaging rule will be used.
RPRALGR_ALGR_CODE	NO	VARCHAR2(30)	VARCHAR2	RULE CODE: The rule code associated with the algorithmic packaging rule.

Column Name	Null?	Type	Data Values	Comment
RPRALGR_SEQ_NO	NO	NUMBER(5)	1 - 99999	SEQUENCE NUMBER: A number designating multiple occurrences of the rule.
RPRALGR_MIN_AWARD_AMT	YES	NUMBER(11,2)	0 - 999999999.99	MINIMUM AWARD AMOUNT: The minimum award amount allowable for this rule.
RPRALGR_MAX_AWARD_AMT	YES	NUMBER(11,2)	0 - 999999999.99	MAXIMUM AWARD AMOUNT: The maximum award amount allowable for this rule.
RPRALGR_ACTIVE_IND	NO	VARCHAR2(1)	Y or N Default: Y	ACTIVE INDICATOR: Indicates whether the algorithmic packaging rule sequence number is active.
RPRALGR_VALIDATED_IND	NO	VARCHAR2(1)	Y or N Default: N	VALIDATED INDICATOR: Indicates whether the rule has been validated and is ready for use in packaging.
RPRALGR_SQL_STATEMENT	NO	CLOB		SQL STATEMENT: The user written SQL statement defining the algorithmic packaging rule.
RPRALGR_USER_ID	YES	VARCHAR2(30)	VARCHAR2	USER ID: The user ID of the person who inserted or last updated this record.
RPRALGR_ACTIVITY_DATE	YES	DATE	System Date	ACTIVITY DATE: The date that information in this record was entered or last updated.
RPRALGR_DATA_ORIGIN	YES	VARCHAR2(30)	VARCHAR2	DATA ORIGIN: Source system that created or updated the row.

Algorithmic Packaging Rule Code Validation Table (RTVALGR)

The RTVALGR Table is a new table with the following characteristics.

The Primary Key (PK_RTVALGR) uses the following column:

RTVALGR_CODE

Column Name	Null?	Type	Data Values	Comment
RTVALGR_CODE	NO	VARCHAR2(30)	VARCHAR2	RULE CODE: The rule code that will be associated with the algorithmic packaging rule.
RTVALGR_DESC	NO	VARCHAR2(200)	VARCHAR2	RULE CODE DESCRIPTION: The description for the algorithmic packaging rule code.
RTVALGR_ACTIVE_IND	NO	VARCHAR2(1)	Y or N Default: Y	ACTIVE INDICATOR: Indicates whether the algorithmic packaging rule code is active.
RTVALGR_USER_ID	YES	VARCHAR2(30)	VARCHAR2	USER ID: The user ID of the person who inserted or last updated this record.
RTVALGR_ACTIVITY_DATE	YES	DATE	System Date	ACTIVITY DATE: The date that information in this record was entered or last updated.
RTVALGR_DATA_ORIGIN	YES	VARCHAR2(30)	VARCHAR2	DATA ORIGIN: Source system that created or updated the row.

Temporary Packaging Need Table (RPTNEED)

The columns in this table are used in algorithmic packaging rules. Any row created on this table will be inserted for a student, used, and then deleted.

The Temporary Packaging Need Table is a new table with the following characteristics.

The Primary Key (PK_RPTNEED) uses the following columns:

RPTNEED_AIDY_CODE

RPTNEED_PIDM

Column Name	Null?	Type	Data Values	Comment
RPTNEED_AIDY_CODE	NO	VARCHAR2(4)	VARCHAR2	AID YEAR CODE: The aid year associated with the need data.
RPTNEED_PIDM	NO	NUMBER(8)	00000000 - 99999999	PIDM: The internal system generated student identification number.
RPTNEED_SIMULATE_SW	NO	VARCHAR2(1)	Y, N	SIMULATE SWITCH: Indicates whether or not this row was created during simulated packaging.
RPTNEED_BUDGET_AMOUNT	YES	NUMBER(11,2)	0 - 999999999.99	BUDGET AMOUNT: The amount of the student's cost of attendance.
RPTNEED_RESOURCE_AMOUNT	YES	NUMBER(11,2)	0 - 999999999.99	RESOURCE AMOUNT: The total amount of outside resources used in the applicant's need calculation.
RPTNEED_REPLACE_EFC_AMT	YES	NUMBER(11,2)	0 - 999999999.99	REPLACE EFC AMOUNT: The total amount of the student's awards used to replace the expected family contribution.
RPTNEED_REDUCE_NEED_AMT	YES	NUMBER(11,2)	0 - 999999999.99	REDUCE NEED AMOUNT: The total amount of the student's awards used towards gross need.
RPTNEED_EFC_IND	YES	VARCHAR2(1)	F, I	EFC INDICATOR: The expected family contribution (EFC) to be used in the calculation of need. An "F" indicates FM EFC will be used. An "I" indicates IM EFC will be used.

Column Name	Null?	Type	Data Values	Comment
RPTNEED_EFC_AMT	YES	NUMBER(11,2)	0 - 999999999. 99	EXPECTED FAMILY CONTRIBUTION: The student's most recently calculated expected family contribution (EFC).
RPTNEED_FM_EFC_AMT	YES	NUMBER(11,2)	0 - 999999999. 99	FM EXPECTED FAMILY CONTRIBUTION: The student's most recently calculated expected family contribution (EFC) using federal methodology (FM).
RPTNEED_GROSS_NEED_AMT	YES	NUMBER(11,2)	0 - 999999999. 99	GROSS NEED: The gross need of the applicant defined as budget minus expected family contribution (EFC), minus resources.
RPTNEED_EXCESS_EFC_AMT	YES	NUMBER(11,2)	0 - 999999999. 99	EXCESS EFC: The total amount of the student's awards which are designated as replacing EFC but instead are used to reduce need.
RPTNEED_UNMET_NEED_AMT	YES	NUMBER(11,2)	0 - 999999999. 99	UNMET NEED: The student's unmet need which is the gross need minus any awards.
RPTNEED_IM_EFC_AMT	YES	NUMBER(11,2)	0 - 999999999. 99	IM EXPECTED FAMILY CONTRIBUTION: The student's most recently calculated expected family contribution (EFC) using institutional methodology (IM).
RPTNEED_IM_GROSS_NEED_AMT	YES	NUMBER(11,2)	0 - 999999999. 99	IM GROSS NEED: The gross need of the applicant defined as budget minus IM expected family contribution (EFC), minus resources.

Column Name	Null?	Type	Data Values	Comment
RPTNEED_IM_UNMET_NEED_AMT	YES	NUMBER(11,2)	0 - 999999999.99	IMUNMET NEED: The student's unmet need which is the IM gross need minus any awards.
RPTNEED_BEG_UNMET_NEED_AMT	YES	NUMBER(11,2)	0 - 999999999.99	UNMET NEED: The beginning value of the student's FM unmet need when the packaging process is run.
RPTNEED_BEG_IM_UNMET_NEED_AMT	YES	NUMBER(11,2)	0 - 999999999.99	IMUNMET NEED: The beginning value of the student's IM unmet need when the packaging process is run.

Fund Category Table (RFRFCAT)

The Fund Category Table is a new table with the following characteristics.

The Primary Key (PK_RFRFCAT) uses the following columns:

RFRFCAT_FUND_CODE

RFRFCAT_FCAT_CODE

The Foreign Key Constraints are as follows.

FK1_RFRFCAT_INV_RFRBASE_KEY on column RFRFCAT_FUND_CODE references RFRBASE_FUND_CODE.

FK1_RFRFCAT_INV_RTVFCAT_CODE on column RFRFCAT_FCAT_CODE references RTVFCAT_CODE.

Column Name	Null?	Type	Data Values	Comment
RFRFCAT_FUND_CODE	NO	VARCHAR(6)	VARCHAR2	FUND CODE: The fund code associated with the fund category.
RFRFCAT_FCAT_CODE	NO	VARCHAR2(6)	VARCHAR2	FUND CATEGORY: A user defined category which allows the grouping of fund codes.
RFRFCAT_ACTIVITY_DATE	YES	DATE	System Date	ACTIVITY DATE: The date that information in this record was entered or last updated.

Column Name	Null?	Type	Data Values	Comment
RFRFCAT_USER_ID	YES	VARCHAR2(30)	VARCHAR2	USER ID: The user ID of the person who inserted or last updated this record.
RFRFCAT_DATA_ORIGIN	YES	VARCHAR2(30)	VARCHAR2	DATA ORIGIN: Source system that created or updated the row.

Packaging Group Fund Category Maximums Rules Table (RPRFCAT)

The Packaging Group Fund Category Maximum Rules Table is a new table with the following characteristics.

The Primary Key (PK_RPRFCAT) uses the following columns:

RPRFCAT_AIDY_CODE
RPRFCAT_PGRP_CODE
RPRFCAT_FCAT_CODE

The Foreign Key Constraints are as follows.

FK1_RPRFCAT_INV_ROBINST_CODE on column RPRFCAT_AIDY_CODE references ROBINST_AIDY_CODE.

FK1_RPRFCAT_INV_RTVPGRP_CODE on column RPRFCAT_PGRP_CODE references RTVPGRP_CODE.

FK1_RPRFCAT_INV_RTVFCAT_CODE on column RPRFCAT_FCAT_CODE references RTVFCAT_CODE.

Column Name	Null?	Type	Data Values	Comment
RPRFCAT_AIDY_CODE	NO	VARCHAR2(4)	ROBINST_EQUAL_AIDY_ACTIVE	AID YEAR CODE: The aid year in which the packaging group fund category maximums rules will be used.
RPRFCAT_PGRP_CODE	NO	VARCHAR2(6)	VARCHAR2 or Null Default: Null	PACKAGING GROUP CODE: The packaging group code to which the fund category maximum will apply.

Column Name	Null?	Type	Data Values	Comment
RPRFCAT_FCAT_CODE	NO	VARCHAR2(6)	VARCHAR2	FUND CATEGORY: The category a fund has been assigned.
RPRFCAT_CAT_MAX_AMT	NO	NUMBER(11,2)	0 - 999999999.99	FUND CATEGORY MAXIMUM AMOUNT: The maximum amount for a fund category.
RPRFCAT_ACTIVITY_DATE	YES	DATE	System Date	ACTIVITY DATE: The date that information in this record was entered or last updated.
RPRFCAT_USER_ID	YES	VARCHAR2(30)	VARCHAR2	USER ID: The user ID of the person who inserted or last updated this record.
RPRFCAT_DATA_ORIGIN	YES	VARCHAR2(30)	VARCHAR2	DATA ORIGIN: Source system that created or updated the row.

Fund Category Validation Table (RTVFCAT)

The Fund Category Validation Table is a new table with the following characteristics.

The Primary Key (PK_RTVFCAT) uses the following columns:

RTVFCAT_CODE

Column Name	Null?	Type	Data Values	Comment
RTVFCAT_CODE	NO	VARCHAR2(6)	VARCHAR2	FUND CATEGORY: A user defined field which allows the user to create codes to categorize funds.
RTVFCAT_DESC	NO	VARCHAR2(200)	VARCHAR2	FUND CATEGORY DESCRIPTION: The description of the fund category.
RTVFCAT_ACTIVE_IND	NO	VARCHAR2(1)	Y or N Default: Y	ACTIVE INDICATOR: Indicates whether the fund category code is active.

Column Name	Null?	Type	Data Values	Comment
RTVFCAT_ACTIVITY_DATE	YES	DATE	System Date	ACTIVITY DATE: The date that information in this record was entered or last updated.
RTVFCAT_USER_ID	YES	VARCHAR2(30)	VARCHAR2	USER ID: The user ID of the person who inserted or last updated this record.
RTVFCAT_DATA_ORIGIN	YES	VARCHAR2(30)	VARCHAR2	DATA ORIGIN: Source system that created or updated the row.

Changed Tables

Fund Aid Year Specific Data (RFRASPC)

The RFRASPC_ROUND_AWARD_IND column is no longer used. The values were converted during the install to a new item (RFRASPC_ROUND_AWARD_AMT). An install script converts values from RFRASPC_ROUND_AWARD_IND to the appropriate numerical value for RFRASPC_ROUND_AWARD_AMT.

Column Name	Null?	Type	Data Values	Comment
RFRASPC_ROUND_AWARD_AMT	NO	NUMBER(5)	1 - 99999 Default: 1	ROUND AWARD: Specifies the nearest dollar amount to round down to during automatic packaging.

Fund Base Table (RFRBASE)

New columns were added to allow you to cross reference funds, to inactivate fund codes, and to provide a fund title up to 200 characters. The RFRBASE_FUND_TITLE Comment was modified.

A script which is run with the install copies the contents of RFRBASE_FUND_TITLE to RFRBASE_FUND_TITLE_LONG for all existing rows.

Note

A new variable (*AWARD_DESC_LONG) has been created for the **Long Description** (RFRBASE_FUND_TITLE_LONG) field. If you plan to use this new variable, you must update existing letters and/or user-defined variables.

Column Name	Null?	Type	Data Values	Comment
RFRBASE_ACTIVE_IND	NO	VARCHAR2(1)	Y or N Default: Y	ACTIVE INDICATOR: Indicates whether the fund code is active.
RFRBASE_XREF_VALUE	YES	VARCHAR(10)	VARCHAR2 or Null Default: Null	FUND CROSS REFERENCE: A user defined cross reference value.
RFRBASE_FUND_TITLE_ LONG	NO	VARCHAR2(200)	VARCHAR2 Default value: If null, copy from RFRBASE_FU ND_TITLE.	FUND LONG TITLE: The full description of the fund code.
RFRBASE_FUND_TITLE	NO	VARCHAR2(30)		FUND SHORT TITLE: The short description of the fund code.

Temporary Fund Aid Year Specific Data (RFTASPC)

The RFTASPC_ROUND_AWARD_IND column was obsoleted. The values were converted during the install to a new item (RFTASPC_ROUND_AWARD_AMT).

Column Name	Null?	Type	Data Values	Comment
RFTASPC_ROUND_AWARD_ AMT	NO	NUMBER(5)	1 - 99999 Default: 1	ROUND AWARD: Specifies the nearest dollar amount to round down to during automatic packaging.

Group Selection Rules Base Table (RORGDAT)

A new column was added to allow you to inactivate a fund awarding, budget group assignment, fund disbursement, packaging group fund awarding, packaging group assignment, satisfactory academic progress, or requirements tracking group rules by aid year.

Column Name	Null?	Type	Data Values	Comment
RORGDAT_ACTIVE_IND	NO	VARCHAR2(1)	Y or N Default: Y	ACTIVE INDICATOR: Indicates whether the rules are active for the aid year.

Applicant Award By Term Table (RPRATRM)

The RPRATRM_KEY_INDEX2 index was added on the following columns:

RPRATRM_FUND_CODE

RPRATRM_AIDY_CODE

A new column was added to allow you to override a fund disbursement rule for a student by term.

Column Name	Null?	Type	Data Values	Comment
RPRATRM_OVERRIDE_DISB_RULE	NO	VARCHAR2(1)	Y or N Default: N	OVERVERRIDE FUND DISBURSEMENT RULE: Indicates whether the fund disbursement rule will be overridden when disbursing a fund to the student for a term.

Award Maintenance Table (RPRAWRD)

A new column was added to allow you to override a fund awarding rule for a student when manually awarding a fund.

Column Name	Null?	Type	Data Values	Comment
RPAWRD_OVERRIDE_FUND_RULE	NO	VARCHAR2(1)	Y or N Default: N	OVERVERRIDE FUND AWARD RULE: Indicates whether the fund awarding rule will be overridden when manually awarding a fund to the student.

Backout Award Table (RPRBAKO)

New columns were added to allow you to exclude a fund awarding rule for a student when manually awarding a fund and to override a fund disbursement rule for a student by term.

Column Name	Null?	Type	Data Values	Comment
RPRBAKO_OVERRIDE_FUND_RULE	YES	VARCHAR2(1)	Y or N, null	OVERVERRIDE FUND AWARD RULE: Indicates whether the fund awarding rule will be overridden when manually awarding a fund to the student.
RPRBAKO_OVERRIDE_DISB_RULE	YES	VARCHAR2(1)	Y or N, null	OVERVERRIDE FUND DISBURSEMENT RULE: Indicates whether the fund disbursement rule will be overridden when disbursing a fund to the student for a term.

Default Equity Packaging Rules Table (RPRDEFE)

The following Foreign Key Constraint was added.

FK1_RPRDEFE_INV_RTVALGR_CODE on column RPRDEFE_ALGR_CODE references RTVALGR_CODE.

A new column was added to allow the use of algorithmic packaging rules for equity packaging limits.

Column Name	Null?	Type	Data Values	Comment
RPRDEFE_ALGR_CODE	YES	VARCHAR2(30)		RULE CODE: The algorithmic packaging rule to be used to calculate the total of the student's equity awards during packaging.

Default Gap Packaging Rules Table (RPRDEFG)

The following Foreign Key Constraint was added.

FK1_RPRDEFG_INV_RTVALGR_CODE on column RPRDEFG_ALGR_CODE references RTVALGR_CODE.

A new column was added to allow the use of algorithmic packaging rules for gap packaging limits.

Column Name	Null?	Type	Data Values	Comment
RPRDEFG_ALGR_CODE	YES	VARCHAR2(30)		RULE CODE: The algorithmic packaging rule to be used to determine the total gap to be left in the student's package during the awarding process.

Default Self-Help Packaging Rules Table (RPRDEFS)

The following Foreign Key Constraint was added.

FK1_RPRDEFS_INV_RTVALGR_CODE on column RPRDEFS_ALGR_CODE references RTVALGR_CODE.

A new column was added to allow the use of algorithmic packaging rules for self-help packaging limits.

Column Name	Null?	Type	Data Values	Comment
RPRDEFS_ALGR_CODE	YES	VARCHAR2(30)		RULE CODE: The algorithmic packaging rule to be used to determine the amount of the student's self-help awards during packaging.

Packaging Group Fund Rules Table (RPRGFND)

The following Foreign Key Constraint was added.

FK1_RPRGFND_INV_RTVALGR_CODE on column RPRGFND_ALGR_CODE references RTVALGR_CODE.

A new column was added to allow the use of algorithmic packaging rules by fund. The item length and Comment was modified for the RPRGFND_PRIORITY column.

Column Name	Null?	Type	Data Values	Comment
RPRGFND_ALGR_CODE	YES	VARCHAR2(30)		PACKAGING GROUP FUND RULE CODE: The algorithmic packaging rule to be used for a fund.
RPRGFND_PRIORITY	NO	NUMBER(6)		PACKAGING GROUP FUND PRIORITY: The priority order in which funds will be awarded during automatic packaging; lowest priority numbers are awarded first.

Packaging Group Equity Packaging Rules Table (RPRGEQY)

The following Foreign Key Constraint was added.

FK1_RPRGEQY_INV_RTVALGR_CODE on column RPRGEQY_ALGR_CODE references RTVALGR_CODE.

A new column was added to allow you to include algorithmic packaging rules for equity packaging rather than just limit them to set figures.

Column Name	Null?	Type	Data Values	Comment
RPRGEQY_ALGR_CODE	YES	VARCHAR2(30)		RULE CODE: The algorithmic packaging rule to be used to calculate the total of the student's equity awards during packaging.

Packaging Group Gap Packaging Rules Table (RPRGGAP)

The following Foreign Key Constraint was added.

FK1_RPRGGAP_INV_RTVALGR_CODE on column RPRGGAP_ALGR_CODE references RTVALGR_CODE.

A new column was added to allow you to include algorithmic packaging rules for gap packaging rather than just limit them to set figures.

Column Name	Null?	Type	Data Values	Comment
RPRGGAP_ALGR_CODE	YES	VARCHAR2(30)		RULE CODE: The algorithmic packaging rule to be used to determine the total gap to be left in the student's package during the awarding process.

Packaging Group Self-Help Packaging Rules Table (RPRGSHP)

The following Foreign Key Constraint was added.

FK1_RPRGSHP_INV_RTVALGR_CODE on column RPRGSHP_ALGR_CODE references RTVALGR_CODE.

A new column was added to allow you to include algorithmic packaging rules for self-help packaging rather than just limit them to set figures.

Column Name	Null?	Type	Data Values	Comment
RPRGSH_P_ALGR_CODE	YES	VARCHAR2(30)		RULE CODE: The algorithmic packaging rule to be used to determine the amount of the student's self-help awards during packaging.

Temporary Applicant Award Table (RPTAWRD)

A new column was added to allow you to exclude a fund awarding rule for a student when manually awarding a fund.

Column Name	Null?	Type	Data Values	Comment
RPTAWRD_OVERRIDE_FUND_RULE	NO	VARCHAR2(1)	Y or N Default: N	OVERVERRIDE FUND AWARD RULE: Indicates whether the fund awarding rule will be overridden when manually awarding a fund to the student.

Budgeting Group Validation Table (RTVBGRP)

A new column was added to allow you to inactivate a budgeting group. The RTVBGRP_PRIORITY item length and Comment was modified.

Column Name	Null?	Type	Data Values	Comment
RTVBGRP_ACTIVE_IND	NO	VARCHAR2(1)	Y or N Default: Y	ACTIVE INDICATOR: Indicates whether the budgeting group code is active.
RTVBGRP_PRIORITY	NO	NUMBER(6)		BUDGET GROUP PRIORITY: The priority order in which budget group codes are assigned to students; lowest priority numbers are assigned first.

Packaging Group Validation Table (RTVPGRP)

A new column was added to allow you to inactivate a packaging group. The RTVPGRP_GROUP_PRIORITY and RTVPGRP_AWARD_PRIORITY item lengths and Comments were modified.

Column Name	Null?	Type	Data Values	Comment
RTVPGRP_ACTIVE_IND	NO	VARCHAR2(1)	Y or N Default: Y	ACTIVE INDICATOR: Indicates whether the packaging group code is active.
RTVPGRP_GROUP_PRIORITY	NO	NUMBER(6)		PACKAGING GROUP PRIORITY: The priority order in which packaging group codes are assigned to students; lowest priority numbers are assigned first.
RTVPGRP_AWARD_PRIORITY	NO	NUMBER(6)		PACKAGING GROUP AWARD PRIORITY: The priority order in which the packaging process awards funds to students; packaging groups with the lowest award priority are packaged first.

Satisfactory Academic Progress Validation Table (RTVSAPR)

A new column was added to allow you to inactivate a satisfactory academic progress group. The RTVSAPR_PRIORITY item length and Comment was modified.

Column Name	Null?	Type	Data Values	Comment
RTVSAPR_ACTIVE_IND	NO	VARCHAR2(1)	Y or N Default: Y	ACTIVE INDICATOR: Indicates whether the satisfactory academic progress code is active.
RTVSAPR_PRIORITY	NO	NUMBER(6)		SAP CODE PRIORITY: The priority order in which SAP codes are assigned to students; lowest priority numbers are assigned first.

Requirements Tracking Group Validation Table (RTVTGRP)

A new column was added to allow you to inactivate a requirements tracking group. The RTVTGRP_PRIORITY item length and Comment was modified.

Column Name	Null?	Type	Data Values	Comment
RTVTGRP_ACTIVE_IND	NO	VARCHAR2(1)	Y or N Default: Y	ACTIVE INDICATOR: Indicates whether the requirements tracking group code is active.
RTVTGRP_PRIORITY	NO	NUMBER(6)		TRACKING GROUP PRIORITY: The priority order in which tracking group codes are assigned to students; lowest priority numbers are assigned first.

Requirements Tracking Validation Table (RTVTREQ)

A new column was added to allow you to inactivate a requirements tracking code.

Column Name	Null?	Type	Data Values	Comment
RTVTREQ_ACTIVE_IND	NO	VARCHAR2(1)	Y or N Default: Y	ACTIVE INDICATOR: Indicates whether the requirements tracking code is active.

New and Modified Required Data

Logging Control Base Table (ROBLOGC)

The following scripts insert the following rows into ROBLOGC:

Driver script: `rdrroblogc_080000.sql`

Data insert script: `roblogci_080000.sql`

ROBLOGC_TABLE_NAME	ROBLOGC_TABLE_DESC
RFRFCAT	Fund Category Table
RPRALGR	Algorithmic Packaging Rules Table
RPRFCAT	Packaging Group Fund Category Maximums Rules Table
RTVALGR	Algorithmic Packaging Rule Code Validation Table
RTVFCAT	Fund Category Validation Table

Values common to all rows:

ROBLOGC_ACTIVITY_DATE	SYSDATE
ROBLOGC_USER_ID	USER
ROBLOGC_ACTIVE_IND	'N'
ROBLOGC_LOG_INSERT_IND	'N'
ROBLOGC_LOG_UPDATE_IND	'N'
ROBLOGC_LOG_DELETE_IND	'N'

Logging Control Repeating Table (RORLOGC)

The following scripts insert the following into RORLOGC:

Driver script: `rdrrorlogc_080000.sql`

Data insert script: `rorlogci_080000.sql`

RORLOGC_TABLE_NAME	ROBLOGC_COLUMN_NAME	ROBLOGC_COLUMN_DESC
RPRAWRD	RPRAWRD_OVERRIDE_FUND_RULE	FUND AWARDING RULE OVERRIDE
RPRATRM	RPRATRM_OVERRIDE_DISB_RULE	FUND DISBURSEMENT RULE OVERRIDE

RORLOGC_ TABLE_NAME	ROBLOGC_COLUMN_ NAME	ROBLOGC_COLUMN_DESC
RFRFCAT	RFRFCAT_FUND_CODE	FUND CODE
RFRFCAT	RFRFCAT_FCAT_CODE	FUND CATEGORY CODE
RFRFCAT	RFRFCAT_ACTIVITY_ DATE	ACTIVITY DATE
RFRFCAT	RFRFCAT_USER_ID	USER ID
RFRFCAT	RFRFCAT_DATA_ORIGIN	DATA ORIGIN
RPRALGR	RPRALGR_AIDY_CODE	AID YEAR CODE
RPRALGR	RPRALGR_ALGR_CODE	ALGORITHMIC RULE CODE
RPRALGR	RPRALGR_SEQ_NO	SEQUENCE NUMBER
RPRALGR	RPRALGR_MIN_AWARD_ AMT	MINIMUM AWARD AMOUNT
RPRALGR	RPRALGR_MAX_AWARD_ AMT	MAXIMUM AWARD AMOUNT
RPRALGR	RPRALGR_ACTIVE_IND	ACTIVE INDICATOR
RPRALGR	RPRALGR_VALIDATED_ IND	VALIDATED INDICATOR
RPRALGR	RPRALGR_SQL_ STATEMENT	SQL STATEMENT
RPRALGR	RPRALGR_USER_ID	USER ID
RPRALGR	RPRALGR_ACTIVITY_ DATE	ACTIVITY DATE
RPRALGR	RPRALGR_DATA_ORIGIN	DATA ORIGIN
RPRFCAT	RPRFCAT_AIDY_CODE	AID YEAR CODE
RPRFCAT	RPRFCAT_PGRP_CODE	PACKAGING GROUP CODE
RPRFCAT	RPRFCAT_FCAT_CODE	FUND CATEGORY CODE
RPRFCAT	RPRFCAT_CAT_MAX_ AMT	CATEGORY MAXIMUM AMOUNT
RPRFCAT	RPRFCAT_ACTIVITY_ DATE	ACTIVITY DATE
RPRFCAT	RPRFCAT_USER_ID	USER ID
RPRFCAT	RPRFCAT_DATA_ORIGIN	DATA ORIGIN
RTVALGR	RTVALGR_CODE	ALGORITHMIC RULE CODE
RTVALGR	RTVALGR_DESC	ALGORITHMIC RULE DESCRIPTION
RTVALGR	RTVALGR_ACTIVE_IND	ACTIVE INDICATOR
RTVALGR	RTVALGR_USER_ID	USER ID
RTVALGR	RTVALGR_ACTIVITY_ DATE	ACTIVITY DATE
RTVALGR	RTVALGR_DATA_ORIGIN	DATA ORIGIN
RTVFCAT	RTVFCAT_CODE	FUND CATEGORY CODE
RTVFCAT	RTVFCAT_DESC	FUND CATEGORY DESCRIPTION
RTVFCAT	RTVFCAT_ACTIVE_IND	ACTIVE INDICATOR

RORLOGC_ TABLE_NAME	ROBLOGC_COLUMN_ NAME	ROBLOGC_COLUMN_DESC
RTVFCAT	RTVFCAT_USER_ID	USER ID
RTVFCAT	RTVFCAT_ACTIVITY_ DATE	ACTIVITY DATE
RTVFCAT	RTVFCAT_DATA_ORIGIN	DATA ORIGIN

Values common to all rows:

RORLOGC_ACTIVITY_DATE	SYSDATE
RORLOGC_USER_ID	USER
RORLOGC_LOG_IND	'N'

Letter Generation Variable Base Table (GLBVRBL)

The following scripts insert the following into GLBVRBL:

Driver script: rdrglbvrbl_080000.sql

Data insert script: nglbvrbli_080000.sql

GLBVRBL_APPLICATION	'FINAID'
GLBVRBL_VARIABLE	'*AWARD_DESC_LONG'
GLBVRBL_DESC	'Long Description For Each Award'
GLBVRBL_ACTIVITY_DATE	SYSDATE
GLBVRBL_TYPE_IND	'R'

Letter Generation Variable Select Table (GLRVFRM)

The following scripts insert the following into GLRVFRM:

Driver script: rdrglrvfrm_080000.sql

Data insert script: nglrvfrmi_080000.sql

GLRVFRM_APPLICATION	'FINAID'
GLRVFRM_VARIABLE	'*AWARD_DESC_LONG'
GLRVFRM_SEQ_NO	1
GLRVFRM_ACTIVITY_DATE	SYSDATE
GLRVFRM_SELECT_CLAUSE	RFRBASE_FUND_TITLE_LONG
GLRVFRM_FROM_CLAUSE	RFRBASE,RPVATRM
GLRVFRM_ORDER_BY	RFRBASE_PRINT_SEQ_NO

GLRVFRM_GROUP_BY RFRBASE_FUND_TITLE_LONG, RFRBASE_PRINT_SEQ_NO
 GLRVFRM_DESC Long Description For Each Award

Letter Generation Variable Rules Table (GLRVRBL)

The following scripts insert the following into GLRVRBL:

Driver script: rdrglrvrbl_080000.sql

Data insert script: rglrvrbli_080000.sql

GLRVRBL_APPLICATION 'FINAID'
 GLRVRBL_VARIABLE '*AWARD_DESC_LONG'
 GLRVRBL_SEQ_NO 1
 GLRVRBL_ACTIVITY_DATE SYSDATE

GLRVRBL _KEY _NO	GLRVRBL _LINE_NO	GLRVRBL_ DATA_ ELEMENT	GLRVRBL_ OPERATOR	GLBVRBL _VALUE	GLRVRBL _OPEN _PAREN	GLRVRBL _CLOSE _PAREN	GLRVRBL_ SEPARATOR
1	1	RPVATRM_ TERM_ CODE	=	&First_ Term	(		OR
2	2	RPVATRM_ TERM_ CODE	=	&Second Term			OR
3	3	RPVATRM_ TERM_ CODE	=	&Third Term		)	AND
4	4	RPVATRM_ AIDY_ CODE	=	&aid_year _code			AND
5	5	RPVATRM_ FUND_ CODE	=	RFRBASE _FUND_ CODE			

Table to Contain Banner Business Objects (GURMESG)

The following script insert the following into GURMESG:

Data insert script: rgurmesgi_080000.sql

GURMESG_SOURCE_IND 'B'
 GURMESG_ENABLED_IND 'N'
 GURMESG_USER_ID USER

GURMESG_ACTIVITY_DATE SYSDATE
 GURMESG_VPD_IND 'N'

GURMESG_ENTITY_NAME	GURMESG_BASE_TABLE	GURMESG_PACKAGE_NAME
FUND_CATEGORY	RFRFCAT	RB_FUND_CATEGORY
ALGORITHMIC_RULES	RPRALGR	RB_ALGORITHMIC_RULES
PGRP_CATEGORY	RPRFCAT	RB_PGRP_CATEGORY_RULES

Miscellaneous Validation Rules Table (RORMVAL)

The `normval_i_080000.sql` script inserts the validation codes noted in the tables below.

This script is executed as part of the 8.0 install in order to ensure the correct values exist in the table prior to any processing.

Note

These new rows for the RORMVAL Table contain the following common values for the `RORMVAL_SYSTEM_REQ_IND`, `RORMVAL_DATA_ORIGIN`, `RORMVAL_USER_ID`, and `RORMVAL_ACTIVITY_DATE` fields. In other words, these same values apply for all rows in this section. The other columns—`RORMVAL_COLUMN`, `RORMVAL_KEY_1`, `RORMVAL_KEY_2`, `RORMVAL_CODE`, `RORMVAL_DESC`, `RORMVAL_TRANS_CODE`, `RORMVAL_TRANS_COMMENT`—vary for each required data row. ■

System Required Indicator	Data Origin	User ID	Activity Date
Y	Banner	USER	SYSDATE

RPRAWRD_OVERRIDE_FUND_RULE

Column	Key 1	Key 2	Code	Description	Translation Code	Translation Comment
RPRAWRD_OVERRIDE_FUND_RULE			Y	Yes		
RPRAWRD_OVERRIDE_FUND_RULE			N	No		

RPRATRM_OVERRIDE_DISB_RULE

Column	Key 1	Key 2	Code	Description	Translation Code	Translation Comment
RPRATRM_OVERRIDE_DISB_RULE			Y	Yes		
RPRATRM_OVERRIDE_DISB_RULE			N	No		

New Views

Fund Award View (RPVFAWD)

The new RPVFAWD view joins the Applicant Award Table (RPAWRD) with the Person Identification/Name Repeating Table (SPRIDEN). The RPVFAWD view was developed for use by the new Fund Award Inquiry Form (RPIFAWD). The script name for this view is `rpvfawd.sql`.

Column Name	Comment
RPVFAWD_AIDY_CODE	AID YEAR CODE: The aid year associated with the award.
RPVFAWD_FUND_CODE	FUND CODE: The fund code associated with the award.
RPVFAWD_ID	ID: The identification number used to access the student on-line.
RPVFAWD_NAME	NAME: The concatenated last name, first name and middle initial of the student.
RPVFAWD_OFFER_AMT	OFFERED AMOUNT: The offered dollar amount of the award.
RPVFAWD_ACCEPT_AMT	ACCEPTED AMOUNT: The accepted dollar amount of the award.
RPVFAWD_CANCEL_AMT	CANCELLED AMOUNT: The cancelled dollar amount of the award.
RPVFAWD_DECLINE_AMT	DECLINED AMOUNT: The declined dollar amount of the award.
RPVFAWD_MEMO_AMT	MEMOED AMOUNT: The memo dollar amount of the award.

Column Name	Comment
RPVFAWD_AUTHORIZE_AMT	AUTHORIZED AMOUNT: The authorized dollar amount of the award.
RPVFAWD_PAID_AMT	PAID AMOUNT: The paid dollar amount of the award.

Fund Award Term View (RPVFTRM)

The new RPVFTRM view joins the Applicant Award by Term Table (RPRATRM) with the Person Identification/Name Repeating Table (SPRIDEN). The RPVFTRM view was developed for use by the new Fund Award Term Inquiry Form (RPIFTRM). The script name for this view is `rpvftrm.sql`.

Column Name	Comment
RPVFTRM_AIDY_CODE	AID YEAR CODE: The aid year associated with the award schedule.
RPVFTRM_FUND_CODE	FUND CODE: The fund code associated with the award schedule.
RPVFTRM_TERM_CODE	TERM CODE: The term code associated with the award schedule.
RPVFTRM_ID	ID: The identification number used to access the student on-line.
RPVFTRM_NAME	NAME: The concatenated last name, first name and middle initial of the student.
RPVFTRM_OFFER_AMT	OFFERED AMOUNT: The offered dollar amount of the award for this term.
RPVFTRM_ACCEPT_AMT	ACCEPTED AMOUNT: The accepted dollar amount of the award for this term.
RPVFTRM_CANCEL_AMT	CANCELLED AMOUNT: The cancelled dollar amount of the award for this term.
RPVFTRM_DECLINE_AMT	DECLINED AMOUNT: The declined dollar amount of the award for this term.
RPVFTRM_MEMO_AMT	MEMOED AMOUNT: The memo dollar amount of the award for this term.
RPVFTRM_AUTHORIZE_AMT	AUTHORIZED AMOUNT: The authorized dollar amount of the award for this term.
RPVFTRM_PAID_AMT	PAID AMOUNT: The paid dollar amount of the award for this term.

New Packages

Algorithmic Packaging Support Package (RPKALGR)

- Package specification: rpkalgr0.sql
- Package body: rpkalgr1.sql

Functions

f_validate_sql_rule (sql_stmt IN)

Validates the sql statement passed in. Returns *TRUE* if statement is valid and returns a numeric value when executed. Returns *FALSE* if statement is not valid or will return a non-numeric value when executed.

```
f_calc_algorithmic_amount(p_aidy_code  
    p_algr_code  
    p_pidm  
    p_fund_code          DEFAULT NULL,  
    p_fed_fund_id       DEFAULT NULL,  
    p_ftyp_code          DEFAULT NULL  
    p_fsrc_code          DEFAULT NULL,  
    p_alternate_aidy_code DEFAULT NULL)
```

- Returns the calculated amount for the rule.
- Each row from RPRALGR where RPRALGR_AIDY_CODE equals p_aidy_code and RPRALGR_ALGR_CODE equals p_algr_code are executed. If the execution of one row returns a null value rather than an amount, the next row (RPRALGR_SEQ_NO) will be executed. The first row returning a valid amount for the rule will be the amount returned from the function.
- The amount is calculated based on the RPRALGR_SQL_STATEMENT.
- Any substitution variables used in the rule will be substituted as follows:

:AIDY – If p_alternate_aidy_code is not null, replace each occurrence of :AIDY with the value of p_alternate_aidy_code; otherwise, use p_aidy_code.

:PIDM - p_pidm

:FUND - p_fund_code

:FFID - p_fed_fund_id

:FTYP - p_ftyp_code

:FSRC - p_fsrc_code

- After an amount is calculated from executing the SQL statement, the RPRALGR_MIN_AWARD_AMT and RPRALGR_MAX_AWARD_AMT will be applied. If RPRALGR_MAX_AWARD_AMT is less than the calculated amount, return the

RPRALGR_MAX_AWARD_AMT. If RPRALGR_MIN_AWARD_AMT is greater than the calculated amount, return zero.

```
f_get_fund_offer(p_aidy_code,  
                p_pidm,  
                p_fund_code  
                p_simulate_sw)
```

Calculates and returns the total offered amount for an aid year, student (pidm) and fund code. If p_simulate_sw = 'Y', the amount is calculated from RPTAWRD_OFFER_AMT. Otherwise, the amount is calculated from RPRAWRD_OFFER_AMT.

```
f_get_ffid_offer (p_aidy_code,  
                 p_pidm,  
                 p_fed_fund_id  
                 p_simulate_sw)
```

Calculates and returns the total offered amount for an aid year, student (pidm) and federal fund id. If p_simulate_sw = 'Y', the amount is calculated from RPTAWRD_OFFER_AMT. Otherwise, the amount is calculated from RPRAWRD_OFFER_AMT.

```
f_get_prior_year_fund_offer (p_aidy_code,  
                             p_pidm,  
                             p_fund_code)
```

Calculates and returns the total offered amount for the year prior to the aid year specified in the parameter, student pidm and fund code.

```
f_get_prior_year_ffid_offer(p_aidy_code,  
                            p_pidm,  
                            p_fed_fund_id)
```

Calculates and returns the total offered amount for the year prior to the aid year specified in the parameter, student pidm and federal fund id.

Packaging Support Processes (RPKPKG)

- Package specification: rpkpkg0.sql
- Package body: pkpkg1.sql

Functions

F_FUND_IN_CATEGORY

Function to check if fund is part of the category.

F_GET_FCAT_EXISTING_AMT

Function to find total of existing awards for fund category.

F_GET_FSRC_EXISTING_AMT

Function to find total of existing awards for fund source.

Procedures

P_CREATE_FUND_TOTAL_TABLE

Procedure to create the Packaging Fund Total Table.

P_CREATE_TEMP_FUND_TABLE

Procedure to create the Temporary Fund Aid Year Specific Data.

P_INSERT_TEMP_APP_STATUS_TABLE

Procedure to insert an entry into the Packaging Simulation Applicant Status Table.

P_INSERT_GUBPRUN

Procedure to insert gubprun entries for pell processing.

P_OPEN_AWARDS_CV

Procedure to open the award cursor.

P_UPDATE_RFTASPC

Procedure to update the insufficient number and amount for simulated awards.

Fund Category Entity API (RB_FUND_CATEGORY)

An entity API was created on the new RFRFCAT table. The generated scripts are listed below.

Note

This API is designed to support Banner internal processing and is not recommended or supported for use with external or third party systems. The recommendation for external applications is to use message level integration to integrate with this entity in Banner. ■

RB_FUND_CATEGORY

- Package specification: rfbk_fund_category0.sql
- Package body: rfbk_fund_category1.sql

RB_FUND_CATEGORY_RULES

- Rules package specification: rfbk_fund_category_r0.sql
- Rules package body: rfbk_fund_category_r1.sql

RB_FUND_CATEGORY_STRINGS

- Strings package specification: rfbk_fund_category_s0.sql
- Strings package body: rfbk_fund_category_s1.sql

DML_RFRFCAT

- DML package specification: rfkd_rfrfc0.sql
- DML package body: rfkd_rfrfc1.sql

Algorithmic Packaging Rules Entity API (RB_ALGORITHMIC_RULES)

The Algorithmic Packaging Rules Entity API (`rb_algorithmic_rules`) is based on the Algorithmic Packaging Rules Table (RPRALGR). The API defines the columns which exist in the table and the edits which exist on each of the columns.

An entity API was created on the new RPRALGR table. The generated scripts are listed below.

Note

This API is designed to support Banner internal processing and is not recommended or supported for use with external or third party systems. The recommendation for external applications is to use message level integration to integrate with this entity in Banner. ■

RB_ALGORITHMIC_RULES

- Package specification: rpkb_algr_rules0.sql
- Package body: rpkb_algr_rules1.sql

RB_ALGORITHMIC_RULES_RULES

- Rules package specification: rpkb_algr_rules_r0.sql
- Rules package body: rpkb_algr_rules_r1.sql

RB_ALGORITHMIC_RULES_STRINGS

- Strings package specification: rpkb_algr_rules_s0.sql

- Strings package body: rpkb_algr_rules_s1.sql

DML_RPRALGR

- DML package specification: rpkd_rpralgr0.sql
- DML package body: rpkd_rpralgr1.sql

Packaging Group Fund Category Rules Entity API (RB_PGRP_CATEGORY)

The Packaging Group Fund Category Entity API (`rb_pgrp_category`) is based on the Packaging Group Fund Category Maximums Rules Table (RPRFCAT). The API defines the columns which exist in the table and the edits which exist on each of the columns.

An entity API was created on the new RPRFCAT table. The generated scripts are listed below.

Note

This API is designed to support Banner internal processing and is not recommended or supported for use with external or third party systems. The recommendation for external applications is to use message level integration to integrate with this entity in Banner. ■

RB_PGRP_CATEGORY

- Package specification: rpkb_pgrp_category0.sql
- Package body: rpkb_pgrp_category1.sql

RB_PGRP_CATEGORY_RULES

- Rules package specification: rpkb_pgrp_category_r0.sql
- Rules package body: rpkb_pgrp_category_r1.sql

RB_PGRP_CATEGORY_STRINGS

- Strings package specification: rpkb_pgrp_category_s0.sql
- Strings package body: rpkb_pgrp_category_s1.sql

DML_RPRFCAT

- DML package specification: rpkd_rprfcatt0.sql
- DML package body: rpkd_rprfcatt1.sql

Algorithmic Packaging Rule Code Validation Package (RB_RTVALGR)

A validation package was created on the RTVALGR table. The generated scripts are listed below.

RB_RTVALGR

- Package specification: rvkb_rtvalgr0.sql
- Package body: rvkb_rtvalgr1.sql

Fund Category Validation Package (RB_RTVFCAT)

A validation package was created on the RTVFCAT table. The generated scripts are listed below.

RB_RTVFCAT

- Package specification: rvkb_rtvfc0.sql
- Package body: rvkb_rtvfc1.sql

Changed Packages

Satisfactory Academic Progress Calculation Package (ROKSAPR)

The logic in the package body has been updated so if a Satisfactory Academic Progress code has been inactivated, or if the SAP rule associated with the SAP code has been inactivated, the process will bypass the code.

Awarding Form support package (RPKAFRM)

The `p_override_fund_rule` parameter has been added to the `p_insert_rprbako` procedure to support the new `RPRAWRD_OVERRIDE_FUND_RULE` awarding override.

The `p_override_disb_rule` parameter has been added to the `p_insert_rprbako` procedure to support the new `RPRATRM_OVERRIDE_DISB_RULE` disbursement override.

This affects scripts:

- rpkafm0.sql (package specification)

- rpkafm1.sql (package body)

Awarding support package (RPKAWRD)

The `p_add_app_status` procedure was modified to verify that `RTVSAPR_ACTIVE_IND` is 'Y' if the package is used to insert a `RORSAPR` record for the student using `ROBINST_RORSAPR_CODE`.

This affects scripts:

- Rpkawrd0.sql (package specification)
- rpkawrd1.sql (package body)

Loan application support package (RPKLOAN)

The `p_add_award_rec` procedure was modified to add the `p_err_ind_out` parameter to the call to procedure `rpkawrd1.p_add_app_status`.

This affects scripts:

rpkloan1.sql (package body)

Award Validation Package (RPK_AWARD_VALIDATION)

The new `p_override_fund_rule` parameter was added to the `p_validate_award` and `p_validate_package_award` procedures to support the new `RPAWRD_OVERRIDE_FUND_RULE` awarding override.

This affects scripts:

Rpk_award_val0.sql (package specification)

Rpk_award_val1.sql (package body)

Disbursement Validation Package (RPK_DISB_VALIDATION)

The `p_override_disb_rule` parameter was added to the `p_validate_disbursement` procedure to support the new `RPRATRM_OVERRIDE_DISB_RULE` disbursement override.

This affects scripts:

- Rpk_disb_val0.sql (package specification)

- Rpk_disb_val1.sql (package body)

Common Validation Package (RPK_COMMON_VALIDATION)

The `rpk_common_validation.f_val_rules` function validates rules for awarding, packaging and disbursement during processing of `p_validate_award` and `p_validate_package_award`, and `p_validate_disbursement`. Rules are selected from the `RORGDAT` table. The function was modified so that if the new `RORGDAT_ACTIVE_IND` column is not 'Y', the rule is bypassed. Processing is the same as if no rule existed for the group and code that is being validated.

This affects the `rpk_common_val1.sql` script.

Award Business Entity API (RB_AWARD)

The `p_override_fund_rule` parameter was added to the `p_create` and `p_update` procedures to support the new `RPRAWRD_OVERRIDE_FUND_RULE` awarding override.

This affects scripts:

- Rpkb_award0.sql (main package specification)
- Rpkb_award1.sql (main package body)
- Rpkb_award_r0.sql (rules package specification)
- Rpkb_award_r1.sql (rules package body)
- Rpkb_award_s0.sql (strings package specification)
- Rpkb_award_s1.sql (strings package body)
- Rpkd_rprawrd0.sql (dml package specification)
- Rpkd_rprawrd1.sql (dml package body)

Award Disbursement Business Entity API (RB_AWARD_DISBURSEMENT)

The `RFRASPC_ROUND_AWARD_IND` (VARCHAR) column was replaced with the `RFRASPC_ROUND_AWARD_AMT` (NUMBER) column.

Award Schedule Business Entity API (RB_AWARD_SCHEDULE)

The `p_override_disb_rule` parameter was added to the `p_create` and `p_update` procedures to support the new `RPRATRM_OVERRIDE_DISB_RULE` awarding override.

This affects scripts:

`Rpkb_award_sched0.sql` (main package specification)
`Rpkb_award_sched1.sql` (main package body)
`Rpkb_award_sched_r0.sql` (rules package specification)
`Rpkb_award_sched_r1.sql` (rules package body)
`Rpkb_award_sched_s0.sql` (strings package specification)
`Rpkb_award_sched_s1.sql` (strings package body)
`Rpkd_rpratrm0.sql` (dml package specification)
`Rpkd_rpratrm1.sql` (dml package body)

The `RFRASPC_ROUND_AWARD_IND` (VARCHAR) column was replaced with the `RFRASPC_ROUND_AWARD_AMT` (NUMBER) column.

Requirement Entity API (RB_REQUIREMENT)

The API was updated to ensure that tracking requirements records are not created with inactive requirement codes.

RTVTREQ Validation API (RB_RTVTREQ)

`Rvkb_rtvreq0.sql` Package Specification
`Rvkb_rtvreq1.sql` Package Body

The Requirement API ensures that tracking requirements records are not created with inactive requirement codes, so this validation package has also been modified to support this requirement.

Temporary Award API (RB_TEMP_AWARD)

The `p_override_fund_rule` parameter was added to the `p_create` and `p_update` procedures to support the new `RPAWRD_OVERRIDE_FUND_RULE` awarding override. Valid values for the `RPAWRD_OVERRIDE_FUND_RULE` are 'Y' and 'N'; the default value is 'N'.

The RFRASPC_ROUND_AWARD_IND (VARCHAR) column was replaced with the RFRASPC_ROUND_AWARD_AMT (NUMBER) column. The RFTASPC_ROUND_AWARD_IND column was replaced with the RFTASPC_ROUND_AWARD_AMT column.

This affects the following scripts:

Rpkb_temp_award0.sql (package specification)
Rpkb_temp_award1.sql (package body)

Award Business Process API (RP_AWARD)

The p_override_fund_rule parameter was added to the p_create and p_update business process procedures to support the new RPRAWRD_OVERRIDE_FUND_RULE awarding override. The same parameters were added to calls to the business entity API rb_award.p_create and rb_award.p_update.

This affects the following scripts:

Rpkp_award0.sql (main package specification)
Rpkp_award1.sql (main package body)
Rpkp_award_s1.sql (strings package body)

Award Schedule Business Process API (RP_AWARD_SCHEDULE)

The p_override_disb_rule parameter was added to the p_create and p_update business process procedures to support the new RPRATRM_OVERRIDE_DISB_RULE disbursement override. The same parameters were added to calls to the business entity API rb_award_sched.p_create and rb_award_sched.p_update.

This affects the following scripts:

Rpkp_award_sched0.sql (main package specification)
Rpkp_award_sched1.sql (main package body)
Rpkb_award_sched1.sql (award schedule strings package body)

Requirements Business Process API (RP_REQUIREMENT)

The procedure inserted the RORSTAT record for a student if one did not exist, then inserted RORSAPR and GURMAIL records, if appropriate. This logic was identical to the logic found in the rpkawrd.p_add_app_status procedure. The logic for RORSTAT,

RORSAPR, and GURMAIL was removed from `rp_requirement.p_create` and replaced with a call to `rpkawrd.p_add_app_status`.

This affects the following scripts:

`rrkp_requirement1.sql` (main package body)

`rrkb_requirement_s1.sql` (strings package body)

Simulated Packaging Support Package (rpksawd)

The `p_override_fund_rule` parameter was added to the `f_get_sim_award` function and the `p_populate_rptawrd` procedure to support the new `RPAWRD_OVERRIDE_FUND_RULE` awarding override.

This affects the following scripts:

`Rpksawd0.sql` (package specification)

`Rpksawd1.sql` (package body)

Tracking Requirement Support Package (RRKAREQ)

`rrkareq.sql` (Package specification)

`rrkareq1.sql` (Package body)

The `rrkareq.p_add_fund_requirements` procedure calls the `rb_requirement.p_create` to insert fund specific requirements. The `select_rfrftreq_c`, cursor now bypasses all requirement codes where `rtvtreq_active_ind = 'N'`.

The `rrkareq.p_add_new_group` procedure calls `rb_requirement.p_create` to insert requirements when a new requirements tracking group is added for a student. The `select_rrrgreq_c` cursor now bypasses all requirement codes where `rtvtreq_active_ind = 'N'`.

New Triggers

RT_RFRFCAT_USERACTIVIT_INSUPD (rftfcat0.sql)

A new trigger was created to maintain the user ID and activity date for the Fund Category Table (RFRFCAT).

RT_RPRALGR_USERACTIVIT_INSUPD (rptalgr0.sql)

A new trigger was created to maintain the user ID and activity date for the Algorithmic Packaging Rules Table (RPRALGR).

RT_RPRFCAT_USERACTIVIT_INSUPD (rptfcatt0.sql)

A new trigger was created to maintain the user ID and activity date for the Packaging Group Fund Category Maximums Rules Table (RPRFCAT).

RT_RTVALGR_USERACTIVIT_INSUPD (rttalgr0.sql)

A new trigger was created to maintain the user ID and activity date for the Algorithmic Packaging Rule Code Validation Table (RTVALGR).

RT_RTVFCAT_USERACTIVIT_INSUPD (rttfcatt0.sql)

A new trigger was created to maintain the user ID and activity date for the Fund Category Validation Table (RTVFCAT).

Logging Triggers

Triggers were created to perform logging for the RFRFCAT, RPRALGR, RPRFCAT, RTVALGR and RTVFCAT tables.

```
RT_RFRFCAT_INSUPDDL (rttfcatt9.sql)
```

```
RT_RPRALGR_INSUPDDL (rptalgr9.sql)
```

```
RT_RPRFCAT_INSUPDDL (rptfcatt9.sql)
```

```
RT_RTVALGR_INSUPDDL (rttalgr9.sql)
```

```
RT_RTVFCAT_INSUPDDL (rttfcatt9.sql)
```

Changed Triggers

Award Schedule Logging Trigger (rptatrm9.sql)

Logging for the new RPRATRM_OVERRIDE_DISB_RULE column was added to this trigger.

Award Logging Trigger (rptawrd9.sql)

Logging for the new RPAWRD_OVERRIDE_FUND_RULE column was added to this trigger.



6 Internationalization - Technical



New Tables

International Translation Rules (RTVINTL)

This RTVINTL validation table holds United States (US) and international data lengths. The Financial Aid and International data length values in this table determine if data entered in a form for a particular column noted in this table is at the correct data length. If the **International Indicator** checkbox on the ROAINST Form is not checked, the data entered will conform to US properties. If the **International Indicator** checkbox is checked, the data entered will conform to International properties.

Column Name	Null?	Type	Comment
RTVINTL_COLUMN	NO	VARCHAR2(30)	COLUMN: Database column name associated with elements for Internationalization.
RTVINTL_AIDY_CODE	NO	VARCHAR2(4)	AID YEAR: Aid year associated with the data lengths.
RTVINTL_SOURCE_TYPE	NO	VARCHAR2(4)	SOURCE TYPE: Source associated with the data lengths.
RTVINTL_FA_LENGTH	NO	NUMBER(4)	FINANCIAL AID LENGTH: Financial Aid data length.
RTVINTL_INTERNATIONAL_LENGTH	NO	NUMBER(4)	INTERNATIONAL LENGTH: International data length.

Column Name	Null?	Type	Comment
RTVINTL_USER_ID	NO	VARCHAR2(30)	USER ID: Logon ID of the user who entered or last updated the record.
RTVINTL_ACTIVITY_DATE	NO	DATE	ACTIVITY DATE: Date of last activity.

New and Modified Required Data

International Translation Rules (RTVINTL)

The `rtvintl_i_80000.sql` script inserts data into RTVINTL and populates standard financial aid data lengths and international data lengths for database elements required to support internationalization.

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPREFTD_FIRST_NAME	0607	CL	12	60	USER	SYSDATE
RPREFTD_LAST_NAME	0607	CL	35	60	USER	SYSDATE
RPREFTD_MI	0607	CL	1	60	USER	SYSDATE
RPREFTD_PAR_FIRST_NAME	0607	CL	12	60	USER	SYSDATE
RPREFTD_PAR_LAST_NAME	0607	CL	35	60	USER	SYSDATE
RPREFTD_PAR_MI	0607	CL	1	60	USER	SYSDATE
RPREFTD_PAR_SSN	0607	CL	9	15	USER	SYSDATE
RPREFTD_SSN	0607	CL	9	15	USER	SYSDATE
RPRLAPP_ADDR_LINE2	0607	CL	30	75	USER	SYSDATE
RPRLAPP_ADDRESS	0607	CL	35	75	USER	SYSDATE
RPRLAPP_BORROWER_EMAIL	0607	CL	128	128	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLAPP_CITY	0607	CL	24	50	USER	SYSDATE
RPRLAPP_COSIGN1_AD DR_LINE1	0607	CL	30	75	USER	SYSDATE
RPRLAPP_COSIGN1_AD DR_LINE2	0607	CL	30	75	USER	SYSDATE
RPRLAPP_COSIGN1_CIT Y	0607	CL	24	50	USER	SYSDATE
RPRLAPP_COSIGN1_FI RST_NAME	0607	CL	12	60	USER	SYSDATE
RPRLAPP_COSIGN1_LA ST_NAME	0607	CL	35	60	USER	SYSDATE
RPRLAPP_COSIGN1_MI	0607	CL	1	60	USER	SYSDATE
RPRLAPP_COSIGN1_PH ONE_NO	0607	CL	10	18	USER	SYSDATE
RPRLAPP_COSIGN1_SS N	0607	CL	9	15	USER	SYSDATE
RPRLAPP_COSIGN1_ZI P	0607	CL	9	30	USER	SYSDATE
RPRLAPP_COSIGN2_AD DR_LINE1	0607	CL	30	75	USER	SYSDATE
RPRLAPP_COSIGN2_AD DR_LINE2	0607	CL	30	75	USER	SYSDATE
RPRLAPP_COSIGN2_CIT Y	0607	CL	24	50	USER	SYSDATE
RPRLAPP_COSIGN2_FI RST_NAME	0607	CL	12	60	USER	SYSDATE
RPRLAPP_COSIGN2_LA ST_NAME	0607	CL	35	60	USER	SYSDATE
RPRLAPP_COSIGN2_MI	0607	CL	1	60	USER	SYSDATE
RPRLAPP_COSIGN2_PH ONE_NO	0607	CL	10	18	USER	SYSDATE
RPRLAPP_COSIGN2_SS N	0607	CL	9	15	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLAPP_COSIGN2_ZIP_CODE	0607	CL	9	30	USER	SYSDATE
RPRLAPP_FIRST_NAME	0607	CL	12	60	USER	SYSDATE
RPRLAPP_LAST_NAME	0607	CL	35	60	USER	SYSDATE
RPRLAPP_LOCAL_ADDR_LINE2	0607	CL	30	75	USER	SYSDATE
RPRLAPP_LOCAL_ADDRESS	0607	CL	35	75	USER	SYSDATE
RPRLAPP_LOCAL_CITY	0607	CL	24	50	USER	SYSDATE
RPRLAPP_LOCAL_PHONE_NO	0607	CL	10	18	USER	SYSDATE
RPRLAPP_LOCAL_ZIP	0607	CL	9	30	USER	SYSDATE
RPRLAPP_MI	0607	CL	1	60	USER	SYSDATE
RPRLAPP_PAR_ADDR_LINE2	0607	CL	30	75	USER	SYSDATE
RPRLAPP_PAR_ADDRESS	0607	CL	35	75	USER	SYSDATE
RPRLAPP_PAR_CITY	0607	CL	24	50	USER	SYSDATE
RPRLAPP_PAR_FIRST_NAME	0607	CL	12	60	USER	SYSDATE
RPRLAPP_PAR_LAST_NAME	0607	CL	35	60	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ADDR_LINE2	0607	CL	30	75	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ADDRESS	0607	CL	35	75	USER	SYSDATE
RPRLAPP_PAR_LOCAL_CITY	0607	CL	16	50	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ZIP	0607	CL	9	30	USER	SYSDATE
RPRLAPP_PAR_MI	0607	CL	1	60	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLAPP_PAR_PHONE_NO	0607	CL	10	18	USER	SYSDATE
RPRLAPP_PAR_SSN	0607	CL	9	15	USER	SYSDATE
RPRLAPP_PAR_ZIP	0607	CL	9	30	USER	SYSDATE
RPRLAPP_PHONE_NO	0607	CL	10	18	USER	SYSDATE
RPRLAPP_SSN	0607	CL	9	15	USER	SYSDATE
RPRLAPP_STU_EMAIL	0607	CL	128	128	USER	SYSDATE
RPRLAPP_ZIP	0607	CL	9	30	USER	SYSDATE
RPRLAPP_ADDRESS	0607	COD	40	75	USER	SYSDATE
RPRLAPP_BORROWER_EMAIL	0607	COD	128	128	USER	SYSDATE
RPRLAPP_CITY	0607	COD	24	50	USER	SYSDATE
RPRLAPP_FIRST_NAME	0607	COD	12	60	USER	SYSDATE
RPRLAPP_LAST_NAME	0607	COD	35	60	USER	SYSDATE
RPRLAPP_LOCAL_ADDRESS	0607	COD	40	75	USER	SYSDATE
RPRLAPP_LOCAL_CITY	0607	COD	24	50	USER	SYSDATE
RPRLAPP_LOCAL_ZIP	0607	COD	13	30	USER	SYSDATE
RPRLAPP_MI	0607	COD	1	60	USER	SYSDATE
RPRLAPP_PAR_ADDR_LINE2	0607	COD	40	75	USER	SYSDATE
RPRLAPP_PAR_ADDRESSES	0607	COD	40	75	USER	SYSDATE
RPRLAPP_PAR_CITY	0607	COD	24	50	USER	SYSDATE
RPRLAPP_PAR_FIRST_NAME	0607	COD	12	60	USER	SYSDATE
RPRLAPP_PAR_LAST_NAME	0607	COD	35	60	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLAPP_PAR_LOCAL_ADDR_LINE2	0607	COD	40	75	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ADDRESS	0607	COD	40	75	USER	SYSDATE
RPRLAPP_PAR_LOCAL_CITY	0607	COD	24	50	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ZIP	0607	COD	13	30	USER	SYSDATE
RPRLAPP_PAR_MI	0607	COD	1	60	USER	SYSDATE
RPRLAPP_PAR_PHONE_NO	0607	COD	17	18	USER	SYSDATE
RPRLAPP_PAR_SSN	0607	COD	9	15	USER	SYSDATE
RPRLAPP_PAR_ZIP	0607	COD	13	30	USER	SYSDATE
RPRLAPP_PHONE_NO	0607	COD	17	18	USER	SYSDATE
RPRLAPP_SSN	0607	COD	9	15	USER	SYSDATE
RPRLAPP_STU_EMAIL	0607	COD	128	128	USER	SYSDATE
RPRLAPP_ZIP	0607	COD	13	30	USER	SYSDATE
RPRLECS_CURR_ADDR_LINE1	0607	COD	25	75	USER	SYSDATE
RPRLECS_CURR_ADDR_LINE2	0607	COD	25	75	USER	SYSDATE
RPRLECS_CURR_CITY	0607	COD	16	50	USER	SYSDATE
RPRLECS_CURR_PHONE_NO	0607	COD	10	18	USER	SYSDATE
RPRLECS_CURR_ZIP	0607	COD	9	30	USER	SYSDATE
RPRLECS_EMP_ADDR_LINE1	0607	COD	25	75	USER	SYSDATE
RPRLECS_EMP_ADDR_LINE2	0607	COD	25	75	USER	SYSDATE
RPRLECS_EMP_CITY	0607	COD	16	50	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLECS_EMP_NAME	0607	COD	25	500	USER	SYSDATE
RPRLECS_EMP_PHONE_NO	0607	COD	10	18	USER	SYSDATE
RPRLECS_EMP_ZIP	0607	COD	9	30	USER	SYSDATE
RPRLECS_FIRST_NAME	0607	COD	12	60	USER	SYSDATE
RPRLECS_LAST_NAME	0607	COD	16	60	USER	SYSDATE
RPRLECS_MI	0607	COD	1	60	USER	SYSDATE
RPRLECS_NOK_ADDR_LINE1	0607	COD	25	75	USER	SYSDATE
RPRLECS_NOK_ADDR_LINE2	0607	COD	25	75	USER	SYSDATE
RPRLECS_NOK_CITY	0607	COD	16	50	USER	SYSDATE
RPRLECS_NOK_NAME	0607	COD	25	500	USER	SYSDATE
RPRLECS_NOK_PHONE_NO	0607	COD	10	18	USER	SYSDATE
RPRLECS_NOK_ZIP	0607	COD	9	30	USER	SYSDATE
RPRLECS_PERM_ADDR_LINE1	0607	COD	25	75	USER	SYSDATE
RPRLECS_PERM_ADDR_LINE2	0607	COD	25	75	USER	SYSDATE
RPRLECS_PERM_CITY	0607	COD	16	50	USER	SYSDATE
RPRLECS_PERM_PHONE_NO	0607	COD	10	18	USER	SYSDATE
RPRLECS_PERM_ZIP	0607	COD	9	30	USER	SYSDATE
RPRLECS_REF1_ADDR_LINE1	0607	COD	25	75	USER	SYSDATE
RPRLECS_REF1_ADDR_LINE2	0607	COD	25	75	USER	SYSDATE
RPRLECS_REF1_CITY	0607	COD	16	50	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLECS_REF1_NAME	0607	COD	25	500	USER	SYSDATE
RPRLECS_REF1_PHONE_NO	0607	COD	10	18	USER	SYSDATE
RPRLECS_REF1_ZIP	0607	COD	9	30	USER	SYSDATE
RPRLECS_REF2_ADDR_LINE1	0607	COD	25	75	USER	SYSDATE
RPRLECS_REF2_ADDR_LINE2	0607	COD	25	75	USER	SYSDATE
RPRLECS_REF2_CITY	0607	COD	16	50	USER	SYSDATE
RPRLECS_REF2_NAME	0607	COD	25	500	USER	SYSDATE
RPRLECS_REF2_PHONE_NO	0607	COD	10	18	USER	SYSDATE
RPRLECS_REF2_ZIP	0607	COD	9	30	USER	SYSDATE
RPRLECS_SSN	0607	COD	9	15	USER	SYSDATE
RCRAPP1_ADDR	0607	US	35	75	USER	SYSDATE
RCRAPP1_CITY	0607	US	21	50	USER	SYSDATE
RCRAPP1_FIRST_NAME	0607	US	12	60	USER	SYSDATE
RCRAPP1_LAST_NAME	0607	US	16	60	USER	SYSDATE
RCRAPP1_MI	0607	US	1	60	USER	SYSDATE
RCRAPP1_PHONE_AREA	0607	US	3	6	USER	SYSDATE
RCRAPP1_PHONE_NO	0607	US	7	12	USER	SYSDATE
RCRAPP1_SSN	0607	US	9	15	USER	SYSDATE
RCRAPP1_ZIP	0607	US	10	30	USER	SYSDATE
RCRAPP3_PREPARER_SSN	0607	US	9	15	USER	SYSDATE
RCRAPP4_EMAIL_ADDRESS	0607	US	50	128	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RCRAPP4_FATH_LAST_NAME	0607	US	16	60	USER	SYSDATE
RCRAPP4_FATH_SSN	0607	US	9	15	USER	SYSDATE
RCRAPP4_MOTH_LAST_NAME	0607	US	16	60	USER	SYSDATE
RCRAPP4_MOTH_SSN	0607	US	9	15	USER	SYSDATE
RCRAPP4_P_EMAIL_ADDRESS	0607	US	50	128	USER	SYSDATE
ROBINST_FINAID_DIR_NAME	0607	US	30	500	USER	SYSDATE
ROBINST_FINAID_DIR_PHONE_AREA	0607	US	3	6	USER	SYSDATE
ROBINST_FINAID_DIR_PHONE_NO	0607	US	7	12	USER	SYSDATE
RORCAMP_FAA_ADMIN_NAME	0607	US	30	500	USER	SYSDATE
RORCAMP_FAA_EMAIL	0607	US	50	128	USER	SYSDATE
RORCAMP_FAA_PHONE_AREA	0607	US	3	6	USER	SYSDATE
RORCAMP_FAA_PHONE_EXT	0607	US	4	10	USER	SYSDATE
RORCAMP_FAA_PHONE_NO	0607	US	7	12	USER	SYSDATE
RORCAMP_MAIL_CITY_INST_FAA	0607	US	25	50	USER	SYSDATE
RORCAMP_MAIL_LINE1_INST_FAA	0607	US	35	75	USER	SYSDATE
RORCAMP_MAIL_LINE2_INST_FAA	0607	US	35	75	USER	SYSDATE
RORCAMP_ZIP_INST_FAA	0607	US	9	30	USER	SYSDATE
RORSTAT_SAR_SSN	0607	US	9	15	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
ROTADDR_STREET_LINE1	0607	US	30	75	USER	SYSDATE
ROTADDR_STREET_LINE2	0607	US	30	75	USER	SYSDATE
ROTADDR_STREET_LINE3	0607	US	30	75	USER	SYSDATE
ROTADDR_CITY	0607	US	20	50	USER	SYSDATE
ROTADDR_ZIP	0607	US	10	30	USER	SYSDATE
ROTADDR_PHONE_AREA	0607	US	3	6	USER	SYSDATE
ROTADDR_PHONE_NUMBER	0607	US	7	12	USER	SYSDATE
ROTADDR_PHONE_EXT	0607	US	4	10	USER	SYSDATE
ROTEMAIL_EMAIL_ADDRESS	0607	US	90	128	USER	SYSDATE
ROTIDEN_FIRST_NAME	0607	US	15	60	USER	SYSDATE
ROTIDEN_MI	0607	US	15	60	USER	SYSDATE
ROTPERS_SSN	0607	US	9	15	USER	SYSDATE
RPREFTD_FIRST_NAME	0708	CL	12	60	USER	SYSDATE
RPREFTD_LAST_NAME	0708	CL	35	60	USER	SYSDATE
RPREFTD_MI	0708	CL	1	60	USER	SYSDATE
RPREFTD_PAR_FIRST_NAME	0708	CL	12	60	USER	SYSDATE
RPREFTD_PAR_LAST_NAME	0708	CL	35	60	USER	SYSDATE
RPREFTD_PAR_MI	0708	CL	1	60	USER	SYSDATE
RPREFTD_PAR_SSN	0708	CL	9	15	USER	SYSDATE
RPREFTD_SSN	0708	CL	9	15	USER	SYSDATE
RPRLAPP_ADDR_LINE2	0708	CL	30	75	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLAPP_ADDRESS	0708	CL	35	75	USER	SYSDATE
RPRLAPP_BORROWER_E MAIL	0708	CL	128	128	USER	SYSDATE
RPRLAPP_CITY	0708	CL	24	50	USER	SYSDATE
RPRLAPP_COSIGN1_AD DR_LINE1	0708	CL	30	75	USER	SYSDATE
RPRLAPP_COSIGN1_AD DR_LINE2	0708	CL	30	75	USER	SYSDATE
RPRLAPP_COSIGN1_CI TY	0708	CL	24	50	USER	SYSDATE
RPRLAPP_COSIGN1_FI RST_NAME	0708	CL	12	60	USER	SYSDATE
RPRLAPP_COSIGN1_LA ST_NAME	0708	CL	35	60	USER	SYSDATE
RPRLAPP_COSIGN1_MI	0708	CL	1	60	USER	SYSDATE
RPRLAPP_COSIGN1_PH ONE_NO	0708	CL	10	18	USER	SYSDATE
RPRLAPP_COSIGN1_SS N	0708	CL	9	15	USER	SYSDATE
RPRLAPP_COSIGN1_ZI P	0708	CL	9	30	USER	SYSDATE
RPRLAPP_COSIGN2_AD DR_LINE1	0708	CL	30	75	USER	SYSDATE
RPRLAPP_COSIGN2_AD DR_LINE2	0708	CL	30	75	USER	SYSDATE
RPRLAPP_COSIGN2_CI TY	0708	CL	24	50	USER	SYSDATE
RPRLAPP_COSIGN2_FI RST_NAME	0708	CL	12	60	USER	SYSDATE
RPRLAPP_COSIGN2_LA ST_NAME	0708	CL	35	60	USER	SYSDATE
RPRLAPP_COSIGN2_MI	0708	CL	1	60	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLAPP_COSIGN2_PHONE_NO	0708	CL	10	18	USER	SYSDATE
RPRLAPP_COSIGN2_SSN	0708	CL	9	15	USER	SYSDATE
RPRLAPP_COSIGN2_ZIP_CODE	0708	CL	9	30	USER	SYSDATE
RPRLAPP_FIRST_NAME	0708	CL	12	60	USER	SYSDATE
RPRLAPP_LAST_NAME	0708	CL	35	60	USER	SYSDATE
RPRLAPP_LOCAL_ADDR_LINE2	0708	CL	30	75	USER	SYSDATE
RPRLAPP_LOCAL_ADDRESS	0708	CL	35	75	USER	SYSDATE
RPRLAPP_LOCAL_CITY	0708	CL	24	50	USER	SYSDATE
RPRLAPP_LOCAL_PHONE_NO	0708	CL	10	18	USER	SYSDATE
RPRLAPP_LOCAL_ZIP	0708	CL	9	30	USER	SYSDATE
RPRLAPP_MI	0708	CL	1	60	USER	SYSDATE
RPRLAPP_PAR_ADDR_LINE2	0708	CL	30	75	USER	SYSDATE
RPRLAPP_PAR_ADDRESSES	0708	CL	35	75	USER	SYSDATE
RPRLAPP_PAR_CITY	0708	CL	24	50	USER	SYSDATE
RPRLAPP_PAR_FIRST_NAME	0708	CL	12	60	USER	SYSDATE
RPRLAPP_PAR_LAST_NAME	0708	CL	35	60	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ADDR_LINE2	0708	CL	30	75	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ADDRESS	0708	CL	35	75	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLAPP_PAR_LOCAL_CITY	0708	CL	16	50	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ZIP	0708	CL	9	30	USER	SYSDATE
RPRLAPP_PAR_MI	0708	CL	1	60	USER	SYSDATE
RPRLAPP_PAR_PHONE_NO	0708	CL	10	18	USER	SYSDATE
RPRLAPP_PAR_SSN	0708	CL	9	15	USER	SYSDATE
RPRLAPP_PAR_ZIP	0708	CL	9	30	USER	SYSDATE
RPRLAPP_PHONE_NO	0708	CL	10	18	USER	SYSDATE
RPRLAPP_SSN	0708	CL	9	15	USER	SYSDATE
RPRLAPP_STU_EMAIL	0708	CL	128	128	USER	SYSDATE
RPRLAPP_ZIP	0708	CL	9	30	USER	SYSDATE
RPRLAPP_ADDRESS	0708	COD	40	75	USER	SYSDATE
RPRLAPP_BORROWER_EMAIL	0708	COD	128	128	USER	SYSDATE
RPRLAPP_CITY	0708	COD	24	50	USER	SYSDATE
RPRLAPP_FIRST_NAME	0708	COD	12	60	USER	SYSDATE
RPRLAPP_LAST_NAME	0708	COD	35	60	USER	SYSDATE
RPRLAPP_LOCAL_ADDRESS	0708	COD	40	75	USER	SYSDATE
RPRLAPP_LOCAL_CITY	0708	COD	24	50	USER	SYSDATE
RPRLAPP_LOCAL_ZIP	0708	COD	13	30	USER	SYSDATE
RPRLAPP_MI	0708	COD	1	60	USER	SYSDATE
RPRLAPP_PAR_ADDRESS_LINE2	0708	COD	40	75	USER	SYSDATE
RPRLAPP_PAR_ADDRESSES	0708	COD	40	75	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLAPP_PAR_CITY	0708	COD	24	50	USER	SYSDATE
RPRLAPP_PAR_FIRST_NAME	0708	COD	12	60	USER	SYSDATE
RPRLAPP_PAR_LAST_NAME	0708	COD	35	60	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ADDR_LINE2	0708	COD	40	75	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ADDRESS	0708	COD	40	75	USER	SYSDATE
RPRLAPP_PAR_LOCAL_CITY	0708	COD	24	50	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ZIP	0708	COD	13	30	USER	SYSDATE
RPRLAPP_PAR_MI	0708	COD	1	60	USER	SYSDATE
RPRLAPP_PAR_PHONE_NO	0708	COD	17	18	USER	SYSDATE
RPRLAPP_PAR_SSN	0708	COD	9	15	USER	SYSDATE
RPRLAPP_PAR_ZIP	0708	COD	13	30	USER	SYSDATE
RPRLAPP_PHONE_NO	0708	COD	17	18	USER	SYSDATE
RPRLAPP_SSN	0708	COD	9	15	USER	SYSDATE
RPRLAPP_STU_EMAIL	0708	COD	128	128	USER	SYSDATE
RPRLAPP_ZIP	0708	COD	13	30	USER	SYSDATE
RPRLECS_CURR_ADDR_LINE1	0708	COD	25	75	USER	SYSDATE
RPRLECS_CURR_ADDR_LINE2	0708	COD	25	75	USER	SYSDATE
RPRLECS_CURR_CITY	0708	COD	16	50	USER	SYSDATE
RPRLECS_CURR_PHONE_NO	0708	COD	10	18	USER	SYSDATE
RPRLECS_CURR_ZIP	0708	COD	9	30	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLECS_EMP_ADDR_L INE1	0708	COD	25	75	USER	SYSDATE
RPRLECS_EMP_ADDR_L INE2	0708	COD	25	75	USER	SYSDATE
RPRLECS_EMP_CITY	0708	COD	16	50	USER	SYSDATE
RPRLECS_EMP_NAME	0708	COD	25	500	USER	SYSDATE
RPRLECS_EMP_PHONE_ NO	0708	COD	10	18	USER	SYSDATE
RPRLECS_EMP_ZIP	0708	COD	9	30	USER	SYSDATE
RPRLECS_FIRST_NAME	0708	COD	12	60	USER	SYSDATE
RPRLECS_LAST_NAME	0708	COD	16	60	USER	SYSDATE
RPRLECS_MI	0708	COD	1	60	USER	SYSDATE
RPRLECS_NOK_ADDR_L INE1	0708	COD	25	75	USER	SYSDATE
RPRLECS_NOK_ADDR_L INE2	0708	COD	25	75	USER	SYSDATE
RPRLECS_NOK_CITY	0708	COD	16	50	USER	SYSDATE
RPRLECS_NOK_NAME	0708	COD	25	500	USER	SYSDATE
RPRLECS_NOK_PHONE_ NO	0708	COD	10	18	USER	SYSDATE
RPRLECS_NOK_ZIP	0708	COD	9	30	USER	SYSDATE
RPRLECS_PERM_ADDR_ LINE1	0708	COD	25	75	USER	SYSDATE
RPRLECS_PERM_ADDR_ LINE2	0708	COD	25	75	USER	SYSDATE
RPRLECS_PERM_CITY	0708	COD	16	50	USER	SYSDATE
RPRLECS_PERM_PHONE_ _NO	0708	COD	10	18	USER	SYSDATE
RPRLECS_PERM_ZIP	0708	COD	9	30	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA_TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLECS_REF1_ADDR_LINE1	0708	COD	25	75	USER	SYSDATE
RPRLECS_REF1_ADDR_LINE2	0708	COD	25	75	USER	SYSDATE
RPRLECS_REF1_CITY	0708	COD	16	50	USER	SYSDATE
RPRLECS_REF1_NAME	0708	COD	25	500	USER	SYSDATE
RPRLECS_REF1_PHONE_NO	0708	COD	10	18	USER	SYSDATE
RPRLECS_REF1_ZIP	0708	COD	9	30	USER	SYSDATE
RPRLECS_REF2_ADDR_LINE1	0708	COD	25	75	USER	SYSDATE
RPRLECS_REF2_ADDR_LINE2	0708	COD	25	75	USER	SYSDATE
RPRLECS_REF2_CITY	0708	COD	16	50	USER	SYSDATE
RPRLECS_REF2_NAME	0708	COD	25	500	USER	SYSDATE
RPRLECS_REF2_PHONE_NO	0708	COD	10	18	USER	SYSDATE
RPRLECS_REF2_ZIP	0708	COD	9	30	USER	SYSDATE
RPRLECS_SSN	0708	COD	9	15	USER	SYSDATE
RCRAPP1_ADDR	0708	US	35	75	USER	SYSDATE
RCRAPP1_CITY	0708	US	21	50	USER	SYSDATE
RCRAPP1_FIRST_NAME	0708	US	12	60	USER	SYSDATE
RCRAPP1_LAST_NAME	0708	US	16	60	USER	SYSDATE
RCRAPP1_MI	0708	US	1	60	USER	SYSDATE
RCRAPP1_PHONE_AREA	0708	US	3	6	USER	SYSDATE
RCRAPP1_PHONE_NO	0708	US	7	12	USER	SYSDATE
RCRAPP1_SSN	0708	US	9	15	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RCRAPP1_ZIP	0708	US	10	30	USER	SYSDATE
RCRAPP3_PREPARER_S SN	0708	US	9	15	USER	SYSDATE
RCRAPP4_EMAIL_ADDR ESS	0708	US	50	128	USER	SYSDATE
RCRAPP4_FATH_LAST_ NAME	0708	US	16	60	USER	SYSDATE
RCRAPP4_FATH_SSN	0708	US	9	15	USER	SYSDATE
RCRAPP4_MOTH_LAST_ NAME	0708	US	16	60	USER	SYSDATE
RCRAPP4_MOTH_SSN	0708	US	9	15	USER	SYSDATE
RCRAPP4_P_EMAIL_AD DRESS	0708	US	50	128	USER	SYSDATE
ROBINST_FINAID_DIR _NAME	0708	US	30	500	USER	SYSDATE
ROBINST_FINAID_DIR _PHONE_AREA	0708	US	3	6	USER	SYSDATE
ROBINST_FINAID_DIR _PHONE_NO	0708	US	7	12	USER	SYSDATE
RORCAMP_FAA_ADMIN_ NAME	0708	US	30	500	USER	SYSDATE
RORCAMP_FAA_EMAIL	0708	US	50	128	USER	SYSDATE
RORCAMP_FAA_PHONE_ AREA	0708	US	3	6	USER	SYSDATE
RORCAMP_FAA_PHONE_ EXT	0708	US	4	10	USER	SYSDATE
RORCAMP_FAA_PHONE_ NO	0708	US	7	12	USER	SYSDATE
RORCAMP_MAIL_CITY_ INST_FAA	0708	US	25	50	USER	SYSDATE
RORCAMP_MAIL_LINE1 _INST_FAA	0708	US	35	75	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RORCAMP_MAIL_LINE2_INST_FAA	0708	US	35	75	USER	SYSDATE
RORCAMP_ZIP_INST_FAA	0708	US	9	30	USER	SYSDATE
RORSTAT_SAR_SSN	0708	US	9	15	USER	SYSDATE
ROTADDR_STREET_LINE1	0708	US	30	75	USER	SYSDATE
ROTADDR_STREET_LINE2	0708	US	30	75	USER	SYSDATE
ROTADDR_STREET_LINE3	0708	US	30	75	USER	SYSDATE
ROTADDR_CITY	0708	US	20	50	USER	SYSDATE
ROTADDR_ZIP	0708	US	10	30	USER	SYSDATE
ROTADDR_PHONE_AREA	0708	US	3	6	USER	SYSDATE
ROTADDR_PHONE_NUMBER	0708	US	7	12	USER	SYSDATE
ROTADDR_PHONE_EXT	0708	US	4	10	USER	SYSDATE
ROTEMAIL_EMAIL_ADDRESS	0708	US	90	128	USER	SYSDATE
ROTIDEN_FIRST_NAME	0708	US	15	60	USER	SYSDATE
ROTIDEN_MI	0708	US	15	60	USER	SYSDATE
ROTPERS_SSN	0708	US	9	15	USER	SYSDATE
RPREFTD_FIRST_NAME	0809	CL	12	60	USER	SYSDATE
RPREFTD_LAST_NAME	0809	CL	35	60	USER	SYSDATE
RPREFTD_MI	0809	CL	1	60	USER	SYSDATE
RPREFTD_PAR_FIRST_NAME	0809	CL	12	60	USER	SYSDATE
RPREFTD_PAR_LAST_NAME	0809	CL	35	60	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPREFTD_PAR_MI	0809	CL	1	60	USER	SYSDATE
RPREFTD_PAR_SSN	0809	CL	9	15	USER	SYSDATE
RPREFTD_SSN	0809	CL	9	15	USER	SYSDATE
RPRLAPP_ADDR_LINE2	0809	CL	30	75	USER	SYSDATE
RPRLAPP_ADDRESS	0809	CL	35	75	USER	SYSDATE
RPRLAPP_BORROWER_E MAIL	0809	CL	128	128	USER	SYSDATE
RPRLAPP_CITY	0809	CL	24	50	USER	SYSDATE
RPRLAPP_COSIGN1_AD DR_LINE1	0809	CL	30	75	USER	SYSDATE
RPRLAPP_COSIGN1_AD DR_LINE2	0809	CL	30	75	USER	SYSDATE
RPRLAPP_COSIGN1_CI TY	0809	CL	24	50	USER	SYSDATE
RPRLAPP_COSIGN1_FI RST_NAME	0809	CL	12	60	USER	SYSDATE
RPRLAPP_COSIGN1_LA ST_NAME	0809	CL	35	60	USER	SYSDATE
RPRLAPP_COSIGN1_MI	0809	CL	1	60	USER	SYSDATE
RPRLAPP_COSIGN1_PH ONE_NO	0809	CL	10	18	USER	SYSDATE
RPRLAPP_COSIGN1_SS N	0809	CL	9	15	USER	SYSDATE
RPRLAPP_COSIGN1_ZI P	0809	CL	9	30	USER	SYSDATE
RPRLAPP_COSIGN2_AD DR_LINE1	0809	CL	30	75	USER	SYSDATE
RPRLAPP_COSIGN2_AD DR_LINE2	0809	CL	30	75	USER	SYSDATE
RPRLAPP_COSIGN2_CI TY	0809	CL	24	50	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLAPP_COSIGN2_FIR ST_NAME	0809	CL	12	60	USER	SYSDATE
RPRLAPP_COSIGN2_LA ST_NAME	0809	CL	35	60	USER	SYSDATE
RPRLAPP_COSIGN2_MI	0809	CL	1	60	USER	SYSDATE
RPRLAPP_COSIGN2_PH ONE_NO	0809	CL	10	18	USER	SYSDATE
RPRLAPP_COSIGN2_SS N	0809	CL	9	15	USER	SYSDATE
RPRLAPP_COSIGN2_ZI P_CODE	0809	CL	9	30	USER	SYSDATE
RPRLAPP_FIRST_NAME	0809	CL	12	60	USER	SYSDATE
RPRLAPP_LAST_NAME	0809	CL	35	60	USER	SYSDATE
RPRLAPP_LOCAL_ADDR _LINE2	0809	CL	30	75	USER	SYSDATE
RPRLAPP_LOCAL_ADDR ESS	0809	CL	35	75	USER	SYSDATE
RPRLAPP_LOCAL_CITY	0809	CL	24	50	USER	SYSDATE
RPRLAPP_LOCAL_PHON E_NO	0809	CL	10	18	USER	SYSDATE
RPRLAPP_LOCAL_ZIP	0809	CL	9	30	USER	SYSDATE
RPRLAPP_MI	0809	CL	1	60	USER	SYSDATE
RPRLAPP_PAR_ADDR_L INE2	0809	CL	30	75	USER	SYSDATE
RPRLAPP_PAR_ADDRES S	0809	CL	35	75	USER	SYSDATE
RPRLAPP_PAR_CITY	0809	CL	24	50	USER	SYSDATE
RPRLAPP_PAR_FIRST_ NAME	0809	CL	12	60	USER	SYSDATE
RPRLAPP_PAR_LAST_N AME	0809	CL	35	60	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLAPP_PAR_LOCAL_ADDR_LINE2	0809	CL	30	75	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ADDRESS	0809	CL	35	75	USER	SYSDATE
RPRLAPP_PAR_LOCAL_CITY	0809	CL	16	50	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ZIP	0809	CL	9	30	USER	SYSDATE
RPRLAPP_PAR_MI	0809	CL	1	60	USER	SYSDATE
RPRLAPP_PAR_PHONE_NO	0809	CL	10	18	USER	SYSDATE
RPRLAPP_PAR_SSN	0809	CL	9	15	USER	SYSDATE
RPRLAPP_PAR_ZIP	0809	CL	9	30	USER	SYSDATE
RPRLAPP_PHONE_NO	0809	CL	10	18	USER	SYSDATE
RPRLAPP_SSN	0809	CL	9	15	USER	SYSDATE
RPRLAPP_STU_EMAIL	0809	CL	128	128	USER	SYSDATE
RPRLAPP_ZIP	0809	CL	9	30	USER	SYSDATE
RPRLAPP_ADDRESS	0809	COD	40	75	USER	SYSDATE
RPRLAPP_BORROWER_EMAIL	0809	COD	128	128	USER	SYSDATE
RPRLAPP_CITY	0809	COD	24	50	USER	SYSDATE
RPRLAPP_FIRST_NAME	0809	COD	12	60	USER	SYSDATE
RPRLAPP_LAST_NAME	0809	COD	35	60	USER	SYSDATE
RPRLAPP_LOCAL_ADDRESS	0809	COD	40	75	USER	SYSDATE
RPRLAPP_LOCAL_CITY	0809	COD	24	50	USER	SYSDATE
RPRLAPP_LOCAL_ZIP	0809	COD	13	30	USER	SYSDATE
RPRLAPP_MI	0809	COD	1	60	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLAPP_PAR_ADDR_L INE2	0809	COD	40	75	USER	SYSDATE
RPRLAPP_PAR_ADDRES S	0809	COD	40	75	USER	SYSDATE
RPRLAPP_PAR_CITY	0809	COD	24	50	USER	SYSDATE
RPRLAPP_PAR_FIRST_ NAME	0809	COD	12	60	USER	SYSDATE
RPRLAPP_PAR_LAST_N AME	0809	COD	35	60	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ ADDR_LINE2	0809	COD	40	75	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ ADDRESS	0809	COD	40	75	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ CITY	0809	COD	24	50	USER	SYSDATE
RPRLAPP_PAR_LOCAL_ ZIP	0809	COD	13	30	USER	SYSDATE
RPRLAPP_PAR_MI	0809	COD	1	60	USER	SYSDATE
RPRLAPP_PAR_PHONE_ NO	0809	COD	17	18	USER	SYSDATE
RPRLAPP_PAR_SSN	0809	COD	9	15	USER	SYSDATE
RPRLAPP_PAR_ZIP	0809	COD	13	30	USER	SYSDATE
RPRLAPP_PHONE_NO	0809	COD	17	18	USER	SYSDATE
RPRLAPP_SSN	0809	COD	9	15	USER	SYSDATE
RPRLAPP_STU_EMAIL	0809	COD	128	128	USER	SYSDATE
RPRLAPP_ZIP	0809	COD	13	30	USER	SYSDATE
RPRLLECS_CURR_ADDR_ LINE1	0809	COD	25	75	USER	SYSDATE
RPRLLECS_CURR_ADDR_ LINE2	0809	COD	25	75	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLECS_CURR_CITY	0809	COD	16	50	USER	SYSDATE
RPRLECS_CURR_PHONE_NO	0809	COD	10	18	USER	SYSDATE
RPRLECS_CURR_ZIP	0809	COD	9	30	USER	SYSDATE
RPRLECS_EMP_ADDR_LINE1	0809	COD	25	75	USER	SYSDATE
RPRLECS_EMP_ADDR_LINE2	0809	COD	25	75	USER	SYSDATE
RPRLECS_EMP_CITY	0809	COD	16	50	USER	SYSDATE
RPRLECS_EMP_NAME	0809	COD	25	500	USER	SYSDATE
RPRLECS_EMP_PHONE_NO	0809	COD	10	18	USER	SYSDATE
RPRLECS_EMP_ZIP	0809	COD	9	30	USER	SYSDATE
RPRLECS_FIRST_NAME	0809	COD	12	60	USER	SYSDATE
RPRLECS_LAST_NAME	0809	COD	16	60	USER	SYSDATE
RPRLECS_MI	0809	COD	1	60	USER	SYSDATE
RPRLECS_NOK_ADDR_LINE1	0809	COD	25	75	USER	SYSDATE
RPRLECS_NOK_ADDR_LINE2	0809	COD	25	75	USER	SYSDATE
RPRLECS_NOK_CITY	0809	COD	16	50	USER	SYSDATE
RPRLECS_NOK_NAME	0809	COD	25	500	USER	SYSDATE
RPRLECS_NOK_PHONE_NO	0809	COD	10	18	USER	SYSDATE
RPRLECS_NOK_ZIP	0809	COD	9	30	USER	SYSDATE
RPRLECS_PERM_ADDR_LINE1	0809	COD	25	75	USER	SYSDATE
RPRLECS_PERM_ADDR_LINE2	0809	COD	25	75	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RPRLECS_PERM_CITY	0809	COD	16	50	USER	SYSDATE
RPRLECS_PERM_PHONE_NO	0809	COD	10	18	USER	SYSDATE
RPRLECS_PERM_ZIP	0809	COD	9	30	USER	SYSDATE
RPRLECS_REF1_ADDR_LINE1	0809	COD	25	75	USER	SYSDATE
RPRLECS_REF1_ADDR_LINE2	0809	COD	25	75	USER	SYSDATE
RPRLECS_REF1_CITY	0809	COD	16	50	USER	SYSDATE
RPRLECS_REF1_NAME	0809	COD	25	500	USER	SYSDATE
RPRLECS_REF1_PHONE_NO	0809	COD	10	18	USER	SYSDATE
RPRLECS_REF1_ZIP	0809	COD	9	30	USER	SYSDATE
RPRLECS_REF2_ADDR_LINE1	0809	COD	25	75	USER	SYSDATE
RPRLECS_REF2_ADDR_LINE2	0809	COD	25	75	USER	SYSDATE
RPRLECS_REF2_CITY	0809	COD	16	50	USER	SYSDATE
RPRLECS_REF2_NAME	0809	COD	25	500	USER	SYSDATE
RPRLECS_REF2_PHONE_NO	0809	COD	10	18	USER	SYSDATE
RPRLECS_REF2_ZIP	0809	COD	9	30	USER	SYSDATE
RPRLECS_SSN	0809	COD	9	15	USER	SYSDATE
RCRAPP1_ADDR	0809	US	35	75	USER	SYSDATE
RCRAPP1_CITY	0809	US	21	50	USER	SYSDATE
RCRAPP1_FIRST_NAME	0809	US	12	60	USER	SYSDATE
RCRAPP1_LAST_NAME	0809	US	16	60	USER	SYSDATE
RCRAPP1_MI	0809	US	1	60	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RCRAPP1_PHONE_AREA	0809	US	3	6	USER	SYSDATE
RCRAPP1_PHONE_NO	0809	US	7	12	USER	SYSDATE
RCRAPP1_SSN	0809	US	9	15	USER	SYSDATE
RCRAPP1_ZIP	0809	US	10	30	USER	SYSDATE
RCRAPP3_PREPARER_S SN	0809	US	9	15	USER	SYSDATE
RCRAPP4_EMAIL_ADDR ESS	0809	US	50	128	USER	SYSDATE
RCRAPP4_FATH_LAST_ NAME	0809	US	16	60	USER	SYSDATE
RCRAPP4_FATH_SSN	0809	US	9	15	USER	SYSDATE
RCRAPP4_MOTH_LAST_ NAME	0809	US	16	60	USER	SYSDATE
RCRAPP4_MOTH_SSN	0809	US	9	15	USER	SYSDATE
RCRAPP4_P_EMAIL_AD DRESS	0809	US	50	128	USER	SYSDATE
ROBINST_FINAID_DIR _NAME	0809	US	30	500	USER	SYSDATE
ROBINST_FINAID_DIR _PHONE_AREA	0809	US	3	6	USER	SYSDATE
ROBINST_FINAID_DIR _PHONE_NO	0809	US	7	12	USER	SYSDATE
RORCAMP_FAA_ADMIN_ NAME	0809	US	30	500	USER	SYSDATE
RORCAMP_FAA_EMAIL	0809	US	50	128	USER	SYSDATE
RORCAMP_FAA_PHONE_ AREA	0809	US	3	6	USER	SYSDATE
RORCAMP_FAA_PHONE_ EXT	0809	US	4	10	USER	SYSDATE
RORCAMP_FAA_PHONE_ NO	0809	US	7	12	USER	SYSDATE

RTVINTL_COLUMN	RTVINTL_AIDY_CODE	RTVINTL_SOURCE_TYPE	RTVINTL_FA_LENGTH	RTVINTL_INTERNA TIONAL_LENGTH	RTVINTL_USER_ID	RTVINTL_ACTIVITY_DATE
RORCAMP_MAIL_CITY_INST_FAA	0809	US	25	50	USER	SYSDATE
RORCAMP_MAIL_LINE1_INST_FAA	0809	US	35	75	USER	SYSDATE
RORCAMP_MAIL_LINE2_INST_FAA	0809	US	35	75	USER	SYSDATE
RORCAMP_ZIP_INST_FAA	0809	US	9	30	USER	SYSDATE
RORSTAT_SAR_SSN	0809	US	9	15	USER	SYSDATE
ROTADDR_STREET_LINE1	0809	US	30	75	USER	SYSDATE
ROTADDR_STREET_LINE2	0809	US	30	75	USER	SYSDATE
ROTADDR_STREET_LINE3	0809	US	30	75	USER	SYSDATE
ROTADDR_CITY	0809	US	20	50	USER	SYSDATE
ROTADDR_ZIP	0809	US	10	30	USER	SYSDATE
ROTADDR_PHONE_AREA	0809	US	3	6	USER	SYSDATE
ROTADDR_PHONE_NUMBER	0809	US	7	12	USER	SYSDATE
ROTADDR_PHONE_EXT	0809	US	4	10	USER	SYSDATE
ROTEMAIL_EMAIL_ADDRESS	0809	US	90	128	USER	SYSDATE
ROTIDEN_FIRST_NAME	0809	US	15	60	USER	SYSDATE
ROTIDEN_MI	0809	US	15	60	USER	SYSDATE
ROTPERS_SSN	0809	US	9	15	USER	SYSDATE

New and Modified Database Elements

Financial Aid Application Table – Part 1 (RCRAPP1)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RCRAPP1_LAST_NAME	VARCHAR2(16)	VARCHAR2(60)
RCRAPP1_FIRST_NAME	VARCHAR2(12)	VARCHAR2(60)
RCRAPP1_MI	VARCHAR2(1)	VARCHAR2(60)
RCRAPP1_SSN	VARCHAR2(9)	VARCHAR2(15)
RCRAPP1_ADDR	VARCHAR2(35)	VARCHAR2(75)
RCRAPP1_CITY	VARCHAR2(21)	VARCHAR2(50)
RCRAPP1_ZIP	VARCHAR2(10)	VARCHAR2(30)
RCRAPP1_PHONE_AREA	VARCHAR2(3)	VARCHAR2(6)
RCRAPP1_PHONE_NO	VARCHAR2(7)	VARCHAR2(12)

New Bio-Demographic Database Elements

The following new data elements were added to the RCRAPP1 table, but not displayed on forms, self-service, or channels.

Column Name	Null?	Type	Comment
RCRAPP1_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Name tag preceding the last name or surname. (Van, Von, Mac. etc.)
RCRAPP1_CTRY_CODE_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Telephone code designating the region or country.
RCRAPP1_ADDR2	YES	VARCHAR2(75)	ADDRESS2: Financial aid applicant's number and street name for address line 2.

Column Name	Null?	Type	Comment
RCRAPP1_ADDR3	YES	VARCHAR2(75)	ADDRESS3: Financial aid applicant's number and street name for address line 3.
RCRAPP1_ADDR4	YES	VARCHAR2(75)	ADDRESS4: Financial aid applicant's number and street name for address line 4.
RCRAPP1_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Student's building or lot number on a street or in an area.

Financial Aid Application Table – Part 3 (RCRAPP3)

The field length has been expanded for the following bio-demographic field to support internationalization.

Column Name	Previous Length	New Length
RCRAPP3_PREPARER_SSN	VARCHAR2(9)	VARCHAR2(15)

Financial Aid Application Table – Part 4 (RCRAPP4)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RCRAPP4_EMAIL_ADDRESS	VARCHAR2(50)	VARCHAR2(128)
RCRAPP4_FATH_LAST_NAME	VARCHAR2(16)	VARCHAR2(60)
RCRAPP4_FATH_SSN	VARCHAR2(9)	VARCHAR2(15)
RCRAPP4_MOTH_LAST_NAME	VARCHAR2(16)	VARCHAR2(60)
RCRAPP4_MOTH_SSN	VARCHAR2(9)	VARCHAR2(15)
RCRAPP4_P_EMAIL_ADDRESS	VARCHAR2(50)	VARCHAR2(128)

Financial Aid Temp. Appl. Table – Part 1 (RCRTMP1)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RCRTMP1_LAST_NAME	VARCHAR2(16)	VARCHAR2(60)
RCRTMP1_FIRST_NAME	VARCHAR2(12)	VARCHAR2(60)
RCRTMP1_MI	VARCHAR2(1)	VARCHAR2(60)
RCRTMP1_ADDR	VARCHAR2(35)	VARCHAR2(75)
RCRTMP1_SSN	VARCHAR2(9)	VARCHAR2(15)
RCRTMP1_CITY	VARCHAR2(21)	VARCHAR2(50)
RCRTMP1_ZIP	VARCHAR2(10)	VARCHAR2(30)
RCRTMP1_PHONE_AREA	VARCHAR2(3)	VARCHAR2(6)
RCRTMP1_PHONE_NO	VARCHAR2(7)	VARCHAR2(12)

New Bio-Demographic Database Elements

The following new data elements were added to the RCRTMP1 table, but not displayed on forms, self-service, or channels.

Column Name	Null?	Type	Comment
RCRTMP1_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Name tag preceding the last name or surname. (Van, Von, Mac. etc.)
RCRTMP1_CTRY_CODE_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Telephone code designating the region or country.
RCRTMP1_ADDR2	YES	VARCHAR2(75)	ADDRESS2: Financial aid applicant's number and street name for address line 2.
RCRTMP1_ADDR3	YES	VARCHAR2(75)	ADDRESS3: Financial aid applicant's number and street name for address line 3.

Column Name	Null?	Type	Comment
RCRTMP1_ADDR4	YES	VARCHAR2(75)	ADDRESS4: Financial aid applicant's number and street name for address line 4.
RCRTMP1_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Student's building or lot number on a street or in an area.

Financial Aid Temp. Appl. Table – Part 3 (RCRTMP3)

This table stores data associated with FAFSA data, which is primarily a US specific process. The file layouts for the ISIR do not incorporate global naming and address standards

The field length has been expanded for the following bio-demographic field.

Column Name	Previous Length	New Length
RCRTMP3_PREPARER_SSN	VARCHAR2(9)	VARCHAR2(15)

Financial Aid Temp. Appl. Table – Part 4 (RCRTMP4)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RCRTMP4_EMAIL_ADDRESS	VARCHAR2(50)	VARCHAR2(128)
RCRTMP4_FATH_LAST_NAME	VARCHAR2(16)	VARCHAR2(60)
RCRTMP4_FATH_SSN	VARCHAR2(9)	VARCHAR2(15)
RCRTMP4_MOTH_LAST_NAME	VARCHAR2(16)	VARCHAR2(60)
RCRTMP4_MOTH_SSN	VARCHAR2(9)	VARCHAR2(15)
RCRTMP4_P_EMAIL_ADDRESS	VARCHAR2(50)	VARCHAR2(128)

Placement Base Data Table (RJBPLBD)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RJBPLBD_STREET_LINE1	VARCHAR2(30)	VARCHAR2(75)
RJBPLBD_STREET_LINE2	VARCHAR2(30)	VARCHAR2(75)
RJBPLBD_STREET_LINE3	VARCHAR2(30)	VARCHAR2(75)
RJBPLBD_CITY	VARCHAR2(20)	VARCHAR2(50)
RJBPLBD_ZIP	VARCHAR2(10)	VARCHAR2(30)
RJBPLBD_PHONE_AREA	VARCHAR2(3)	VARCHAR2(6)
RJBPLBD_PHONE_NUMBER	VARCHAR2(7)	VARCHAR2(12)
RJBPLBD_PHONE_EXT	VARCHAR2(4)	VARCHAR2(10)

New Bio-Demographic Database Elements

With the exception of the email address, the following new data elements were added to the RJBPLBD table, but not displayed on forms, self-service, or channels.

The addition of the email address (RJBPLBD_EMAIL_ADDRESS) resolves a request noted in RPE 1-67BFH.

Column Name	Null?	Type	Comment
RJBPLBD_STREET_LINE4	YES	VARCHAR2(75)	STREET LINE4: Employment site number and street name for address line 4.
RJBPLBD_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Employment site building or lot number on a street or in an area.

Column Name	Null?	Type	Comment
RJBPLBD_CTRY_CODE_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Employment site telephone code designating the region or country.
RJBPLBD_EMAIL_ADDRESS	YES	VARCHAR2(128)	EMAIL ADDRESS: Supervisor's E-mail Address.

Financial Aid Application Log Table – Part 1 (RLRAPP1)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RLRAPP1_LAST_NAME	VARCHAR2(16)	VARCHAR2(60)
RLRAPP1_FIRST_NAME	VARCHAR2(12)	VARCHAR2(60)
RLRAPP1_MI	VARCHAR2(1)	VARCHAR2(60)
RLRAPP1_ADDR	VARCHAR2(35)	VARCHAR2(75)
RLRAPP1_SSN	VARCHAR2(9)	VARCHAR2(15)
RLRAPP1_CITY	VARCHAR2(21)	VARCHAR2(50)
RLRAPP1_ZIP	VARCHAR2(10)	VARCHAR2(30)
RLRAPP1_PHONE_AREA	VARCHAR2(3)	VARCHAR2(6)
RLRAPP1_PHONE_NO	VARCHAR2(7)	VARCHAR2(12)

New Bio-Demographic Database Elements

The following new data elements were added to the RLRAPP1 table, but not displayed on forms, self-service, or channels.

Column Name	Null?	Type	Comment
RLRAPP1_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Name tag preceding the last name or surname. (Van, Von, Mac. etc.)
RLRAPP1_CTRY_CODE_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Telephone code designating the region or country.
RLRAPP1_ADDR2	YES	VARCHAR2(75)	ADDRESS2: Financial aid applicant's number and street name for address line 2.
RLRAPP1_ADDR3	YES	VARCHAR2(75)	ADDRESS3: Financial aid applicant's number and street name for address line 3.
RLRAPP1_ADDR4	YES	VARCHAR2(75)	ADDRESS4: Financial aid applicant's number and street name for address line 4.
RLRAPP1_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Student's building or lot number on a street or in an area.

Financial Aid Application Log Table – Part 3 (RLRAPP3)

The field length has been expanded for the following bio-demographic field to support internationalization.

Column Name	Previous Length	New Length
RLRAPP3_PREPARER_SSN	VARCHAR2(9)	VARCHAR2(15)

Financial Aid Application Table – Part 4 (RLRAPP4)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RLRAPP4_EMAIL_ADDRESS	VARCHAR2(50)	VARCHAR2(128)
RLRAPP4_FATH_LAST_NAME	VARCHAR2(16)	VARCHAR2(60)
RLRAPP4_FATH_SSN	VARCHAR2(9)	VARCHAR2(15)
RLRAPP4_MOTH_LAST_NAME	VARCHAR2(16)	VARCHAR2(60)
RLRAPP4_MOTH_SSN	VARCHAR2(9)	VARCHAR2(15)
RLRAPP4_P_EMAIL_ADDRESS	VARCHAR2(50)	VARCHAR2(128)

Application Status Log Table (RLRSTAT)

The field length has been expanded for the following bio-demographic field to support internationalization.

Column Name	Previous Length	New Length
RLRSTAT_SAR_SSN	VARCHAR2(9)	VARCHAR2(15)

Archive Data Log Activity Detail Table (ROALOGD)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
ROALOGD_FROM	VARCHAR2(128)	VARCHAR2(500)
ROALOGD_TO	VARCHAR2(128)	VARCHAR2(500)

Audit Log Table (ROBALOG)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
ROBALOG_EL_BOR_SSN	VARCHAR2(9)	VARCHAR2(15)
ROBALOG_FROM	VARCHAR2(128)	VARCHAR2(500)
ROBALOG_TO	VARCHAR2(128)	VARCHAR2(500)

Financial Aid Institution Table (ROBINST)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
ROBINST_FINAID_DIR_NAME	VARCHAR2(30)	VARCHAR2(500)
ROBINST_FINAID_DIR_PHONE_AREA	VARCHAR2(3)	VARCHAR2(6)
ROBINST_FINAID_DIR_PHONE_NO	VARCHAR2(7)	VARCHAR2(12)

New Bio-Demographic Database Elements

The following new data element was added to the ROBINST table, but not displayed on forms, self-service, or channels.

Column Name	Null?	Type	Comment
ROBINST_CTRY_CODE_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Financial Aid Director's telephone code designating the region or country.

New International Indicator

The following new data element was added to the ROBINST table.

Column Name	Null?	Type	Comment
ROBINST_INTL_IND	No	VARCHAR2(1)	INTERNATIONALIZATION INDICATOR: Specifies the usage of international data lengths for Financial Aid processing.

Financial Aid Campus Table (RORCAMP)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RORCAMP_FAA_ADMIN_NAME	VARCHAR2(30)	VARCHAR2(500)
RORCAMP_MAIL_LINE1_INST_FAA	VARCHAR2(35)	VARCHAR2(75)
RORCAMP_MAIL_LINE2_INST_FAA	VARCHAR2(35)	VARCHAR2(75)
RORCAMP_MAIL_CITY_INST_FAA	VARCHAR2(25)	VARCHAR2(50)
RORCAMP_ZIP_INST_FAA	VARCHAR2(9)	VARCHAR2(30)
RORCAMP_FAA_PHONE_AREA	VARCHAR2(3)	VARCHAR2(6)
RORCAMP_FAA_PHONE_NO	VARCHAR2(7)	VARCHAR2(12)
RORCAMP_FAA_PHONE_EXT	VARCHAR2(4)	VARCHAR2(10)
RORCAMP_FAA_EMAIL	VARCHAR2(50)	VARCHAR2(128)

New Bio-Demographic Database Elements

The following new data elements were added to the RORCAMP table, but not displayed on forms, self-service, or channels.

Column Name	Null?	Type	Comment
RORCAMP_CTRY_CODE_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Financial Aid Administrator's telephone code designating the region or country...
RORCAMP_MAIL_LINE3_INST_FAA	YES	VARCHAR2(75)	STREET LINE3: Line 3 of the street or post office box address of the institution.
RORCAMP_MAIL_LINE4_INST_FAA	YES	VARCHAR2(75)	STREET LINE4: Line 4 of the street or post office box address of the institution.
RORCAMP_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Institution's building or lot number on a street or in an area.

Data Log Activity Detail Table (RORLOGD)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RORLOGD_FROM	VARCHAR2(250)	VARCHAR2(500)
RORLOGD_TO	VARCHAR2(250)	VARCHAR2(500)

Column Name	Previous Length	New Length
RORSLOG_VALUE	VARCHAR2(128)	VARCHAR2(500)

Applicant Status Table (RORSTAT)

The field length has been expanded for the following bio-demographic field to support internationalization.

Column Name	Previous Length	New Length
RORSTAT_SAR_SSN	VARCHAR2(9)	VARCHAR2(15)

Finaid Temporary SPRADDR Table (ROTADDR)

The field length has been expanded on existing data elements for the following bio-demographic fields.

Column Name	Previous Length	New Length
ROTADDR_STREET_LINE1	VARCHAR2(30)	VARCHAR2(75)
ROTADDR_STREET_LINE2	VARCHAR2(30)	VARCHAR2(75)
ROTADDR_STREET_LINE3	VARCHAR2(30)	VARCHAR2(75)
ROTADDR_CITY	VARCHAR2(20)	VARCHAR2(50)
ROTADDR_ZIP	VARCHAR2(10)	VARCHAR2(30)
ROTADDR_PHONE_AREA	VARCHAR2(3)	VARCHAR2(6)
ROTADDR_PHONE_NUMBER	VARCHAR2(7)	VARCHAR2(12)
ROTADDR_PHONE_EXT	VARCHAR2(4)	VARCHAR2(10)

New Bio-Demographic Database Elements

The following new data elements were added to the ROTADDR table, but not displayed on forms, self-service, or channels.

Column Name	Null?	Type	Comment
ROTADDR_STREET_LINE4	YES	VARCHAR2(75)	STREET LINE4: The fourth line of the address associated with the person.
ROTADDR_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Building or lot number on a street or in an area associated with the address of the person.
ROTADDR_CTRY_CODE_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Telephone code designating the region or country associated with the address of the person.

Temporary E-mail Address Table (ROTEMAL)

The field length has been expanded for the following bio-demographic field to support internationalization.

Column Name	Previous Length	New Length
ROTEMAL_EMAIL_ADDRESS	VARCHAR2(90)	VARCHAR2(128)

Finaid Temporary SPRIDEN Table (ROTIDEN)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
ROTIDEN_FIRST_NAME	VARCHAR2(15)	VARCHAR2(60)
ROTIDEN_MI	VARCHAR2(15)	VARCHAR2(60)
ROTIDEN_SEARCH_FIRST_NAME	VARCHAR2(15)	VARCHAR2(60)
ROTIDEN_SEARCH_MI	VARCHAR2(15)	VARCHAR2(60)

New Bio-Demographic Database Elements

The following new data element was added to the ROTIDEN table, but not displayed on forms, self-service, or channels.

Column Name	Null?	Type	Comment
ROTIDEN_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Name tag preceding the last name or surname of the person. (Van, Von, Mac. etc.)

Finaid Temporary SPBPERS Table (ROTPERS)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
ROTPERS_LEGAL_NAME	VARCHAR2(60)	VARCHAR2(500)
ROTPERS_PREF_FIRST_NAME	VARCHAR2(15)	VARCHAR2(60)
ROTPERS_SSN	VARCHAR2(9)	VARCHAR2(15)

Temp. Applicant Status Table (ROTSTAT)

The field length has been expanded for the following bio-demographic field to support internationalization.

Column Name	Previous Length	New Length
ROTSTAT_SAR_SSN	VARCHAR2(9)	VARCHAR2(15)

Lender Base Data Table (RPBLNDR)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RPBLNDR_NAME	VARCHAR2(50)	VARCHAR2(500)
RPBLNDR_STREET_LINE1	VARCHAR2(30)	VARCHAR2(75)

Column Name	Previous Length	New Length
RPBLNDR_STREET_LINE2	VARCHAR2(30)	VARCHAR2(75)
RPBLNDR_STREET_LINE3	VARCHAR2(30)	VARCHAR2(75)
RPBLNDR_CITY	VARCHAR2(20)	VARCHAR2(50)
RPBLNDR_ZIP	VARCHAR2(10)	VARCHAR2(30)
RPBLNDR_PHONE_AREA	VARCHAR2(3)	VARCHAR2(6)
RPBLNDR_PHONE_NUMBER	VARCHAR2(7)	VARCHAR2(12)
RPBLNDR_PHONE_EXT	VARCHAR2(4)	VARCHAR2(10)

New Bio-Demographic Database Elements

The following new data elements were added to the RPBLNDR table, but not displayed on forms, self-service, or channels.

Column Name	Null?	Type	Comment
RPBLNDR_STREET_LINE4	YES	VARCHAR2(75)	STREET LINE4: Additional street address of the lending institution.
RPBLNDR_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Building or lot number on a street or in an area of the lending institution.
RPBLNDR_CTRY_CODE_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Telephone code designating the region or country of the lending institution.

EFT Disbursement Table (RPREFTD)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RPREFTD_LAST_NAME	VARCHAR2(35)	VARCHAR2(60)
RPREFTD_FIRST_NAME	VARCHAR2(12)	VARCHAR2(60)

Column Name	Previous Length	New Length
RPREFTD_MI	VARCHAR2(1)	VARCHAR2(60)
RPREFTD_SSN	VARCHAR2(9)	VARCHAR2(15)
RPREFTD_PAR_LAST_NAME	VARCHAR2(35)	VARCHAR2(60)
RPREFTD_PAR_FIRST_NAME	VARCHAR2(12)	VARCHAR2(60)
RPREFTD_PAR_MI	VARCHAR2(1)	VARCHAR2(60)
RPREFTD_PAR_SSN	VARCHAR2(9)	VARCHAR2(15)

New Bio-Demographic Database Elements

The following new data elements were added to the RPREFTD table, but not displayed on forms, self-service, or channels.

Column Name	Null?	Type	Comment
RPREFTD_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Name tag preceding the student's last name or surname. (Van, Von, Mac. etc.)
RPREFTD_PAR_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Name tag preceding the parent's last name or surname. (Van, Von, Mac. etc.)

Loan Application Table (RPRLAPP)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RPRLAPP_LAST_NAME	VARCHAR2(35)	VARCHAR2(60)
RPRLAPP_FIRST_NAME	VARCHAR2(12)	VARCHAR2(60)
RPRLAPP_MI	VARCHAR2(1)	VARCHAR2(60)
RPRLAPP_ADDRESS	VARCHAR2(35)	VARCHAR2(75)
RPRLAPP_ADDR_LINE2	VARCHAR2(30)	VARCHAR2(75)

Column Name	Previous Length	New Length
RPRLAPP_SSN	VARCHAR2(9)	VARCHAR2(15)
RPRLAPP_CITY	VARCHAR2(24)	VARCHAR2(50)
RPRLAPP_ZIP	VARCHAR2(9)	VARCHAR2(30)
RPRLAPP_PHONE_NO	VARCHAR2(10)	VARCHAR2(18)
RPRLAPP_LOCAL_ADDRESS	VARCHAR2(35)	VARCHAR2(75)
RPRLAPP_LOCAL_ADDR_LINE2	VARCHAR2(30)	VARCHAR2(75)
RPRLAPP_LOCAL_CITY	VARCHAR2(24)	VARCHAR2(50)
RPRLAPP_LOCAL_ZIP	VARCHAR2(9)	VARCHAR2(30)
RPRLAPP_LOCAL_PHONE_NO	VARCHAR2(10)	VARCHAR2(18)
RPRLAPP_PAR_LAST_NAME	VARCHAR2(35)	VARCHAR2(60)
RPRLAPP_PAR_FIRST_NAME	VARCHAR2(12)	VARCHAR2(60)
RPRLAPP_PAR_MI	VARCHAR2(1)	VARCHAR2(60)
RPRLAPP_PAR_SSN	VARCHAR2(9)	VARCHAR2(15)
RPRLAPP_PAR_ADDRESS	VARCHAR2(35)	VARCHAR2(75)
RPRLAPP_PAR_ADDR_LINE2	VARCHAR2(30)	VARCHAR2(75)
RPRLAPP_PAR_CITY	VARCHAR2(24)	VARCHAR2(50)
RPRLAPP_PAR_ZIP	VARCHAR2(9)	VARCHAR2(30)
RPRLAPP_PAR_PHONE_NO	VARCHAR2(10)	VARCHAR2(18)
RPRLAPP_PAR_LOCAL_ADDRESS	VARCHAR2(35)	VARCHAR2(75)
RPRLAPP_PAR_LOCAL_ADDR_LINE2	VARCHAR2(30)	VARCHAR2(75)
RPRLAPP_PAR_LOCAL_CITY	VARCHAR2(16)	VARCHAR2(50)
RPRLAPP_PAR_LOCAL_ZIP	VARCHAR2(9)	VARCHAR2(30)
RPRLAPP_COSIGN1_LAST_NAME	VARCHAR2(35)	VARCHAR2(60)
RPRLAPP_COSIGN1_FIRST_NAME	VARCHAR2(12)	VARCHAR2(60)
RPRLAPP_COSIGN1_MI	VARCHAR2(1)	VARCHAR2(60)
RPRLAPP_COSIGN1_ADDR_LINE1	VARCHAR2(30)	VARCHAR2(75)
RPRLAPP_COSIGN1_ADDR_LINE2	VARCHAR2(30)	VARCHAR2(75)

Column Name	Previous Length	New Length
RPRLAPP_COSIGN1_SSN	VARCHAR2(9)	VARCHAR2(15)
RPRLAPP_COSIGN1_CITY	VARCHAR2(24)	VARCHAR2(50)
RPRLAPP_COSIGN1_ZIP	VARCHAR2(9)	VARCHAR2(30)
RPRLAPP_COSIGN1_PHONE_NO	VARCHAR2(10)	VARCHAR2(18)
RPRLAPP_COSIGN2_LAST_NAME	VARCHAR2(35)	VARCHAR2(60)
RPRLAPP_COSIGN2_FIRST_NAME	VARCHAR2(12)	VARCHAR2(60)
RPRLAPP_COSIGN2_MI	VARCHAR2(1)	VARCHAR2(60)
RPRLAPP_COSIGN2_ADDR_LINE1	VARCHAR2(30)	VARCHAR2(75)
RPRLAPP_COSIGN2_ADDR_LINE2	VARCHAR2(30)	VARCHAR2(75)
RPRLAPP_COSIGN2_SSN	VARCHAR2(9)	VARCHAR2(15)
RPRLAPP_COSIGN2_CITY	VARCHAR2(24)	VARCHAR2(50)
RPRLAPP_COSIGN2_ZIP_CODE	VARCHAR2(9)	VARCHAR2(30)
RPRLAPP_COSIGN2_PHONE_NO	VARCHAR2(10)	VARCHAR2(18)

New Bio-Demographic Database Elements

The following new data elements were added to the RPRLAPP table, but not displayed on forms, self-service, or channels.

Column Name	Null?	Type	Comment
RPRLAPP_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Name tag preceding the borrower's last name or surname. (Van, Von, Mac. etc.)
RPRLAPP_ADDR_LINE3	YES	VARCHAR2(75)	ADDRESS LINE3: Third line of the student's permanent street address.
RPRLAPP_ADDR_LINE4	YES	VARCHAR2(75)	ADDRESS LINE4: Fourth line of the student's permanent street address.

Column Name	Null?	Type	Comment
RPRLAPP_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Student's building or lot number on a street or in an area.
RPRLAPP_CTRY_CODE_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Student's telephone code designating the region or country.
RPRLAPP_LOCAL_ADDR_LINE3	YES	VARCHAR2(75)	ADDRESS LINE3: Third line of the student's local street address.
RPRLAPP_LOCAL_ADDR_LINE4	YES	VARCHAR2(75)	ADDRESS LINE4: Fourth line of the student's local street address.
RPRLAPP_LOCAL_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Student's local building or lot number on a street or in an area.
RPRLAPP_CTRY_CODE_LOCAL_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Student's local telephone code designating the region or country.
RPRLAPP_PAR_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Name tag preceding the parent's last name or surname. (Van, Von, Mac. etc.)
RPRLAPP_PAR_ADDR_LINE3	YES	VARCHAR2(75)	ADDRESS LINE3: Third line of the parent's permanent street address.
RPRLAPP_PAR_ADDR_LINE4	YES	VARCHAR2(75)	ADDRESS LINE4: Fourth line of the parent's permanent street address.
RPRLAPP_PAR_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Parent's permanent building or lot number on a street or in an area.
RPRLAPP_CTRY_CODE_PAR_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Parent's telephone code designating the region or country.

Column Name	Null?	Type	Comment
RPRLAPP_PAR_LOCAL_ADDR_LINE3	YES	VARCHAR2(75)	ADDRESS LINE3: Third line of the parent's local street address.
RPRLAPP_PAR_LOCAL_ADDR_LINE4	YES	VARCHAR2(75)	ADDRESS LINE4: Fourth line of the parent's local street address.
RPRLAPP_PAR_LOCAL_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Parent's local building or lot number on a street or in an area.
RPRLAPP_COSIGN1_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Name tag preceding the first cosigner's last name or surname. (Van, Von, Mac. etc.)
RPRLAPP_COSIGN1_ADDR_LINE3	YES	VARCHAR2(75)	ADDRESS LINE3: Third line of the first cosigner's last known address.
RPRLAPP_COSIGN1_ADDR_LINE4	YES	VARCHAR2(75)	ADDRESS LINE4: Fourth line of the first cosigner's last known address.
RPRLAPP_COSIGN1_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: First cosigner's building or lot number on a street or in an area.
RPRLAPP_CTRY_CODE_COSIGN1_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: First cosigner's telephone code designating the region or country.
RPRLAPP_COSIGN2_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Name tag preceding the second cosigner's last name or surname. (Van, Von, Mac. etc.)
RPRLAPP_COSIGN2_ADDR_LINE3	YES	VARCHAR2(75)	ADDRESS LINE3: Third line of the second cosigner's last known address.

Column Name	Null?	Type	Comment
RPRLAPP_COSIGN2_ADDR _LINE4	YES	VARCHAR2(75)	ADDRESS LINE4: Fourth line of the second cosigner's last known address.
RPRLAPP_COSIGN2_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Second cosigner's building or lot number on a street or in an area.
RPRLAPP_CTRY_CODE_COSIG2_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Second cosigner's telephone code designating the region or country.

Loan Application Reference Table (RPRLARF)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RPRLARF_NAME	VARCHAR2(50)	VARCHAR2(500)
RPRLARF_STREET_LINE1	VARCHAR2(30)	VARCHAR2(75)
RPRLARF_STREET_LINE2	VARCHAR2(30)	VARCHAR2(75)
RPRLARF_STREET_LINE3	VARCHAR2(30)	VARCHAR2(75)
RPRLARF_CITY	VARCHAR2(20)	VARCHAR2(50)
RPRLARF_ZIP	VARCHAR2(10)	VARCHAR2(30)

New Bio-Demographic Database Elements

The following new data elements were added to the RPRLARF table, but not displayed on forms, self-service, or channels.

Column Name	Null?	Type	Comment
RPRLARF_STREET_LINE4	YES	VARCHAR2(75)	STREET LINE4: Line 4 of the street address of the student's loan reference.
RPRLARF_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Student's loan reference building or lot number on a street or in an area.

Loan Electronic Counseling Status Table (RPRLECS)

The field length has been expanded on existing data elements for the following biodemographic fields to support internationalization.

Column Name	Previous Length	New Length
RPRLECS_LAST_NAME	VARCHAR2(16)	VARCHAR2(60)
RPRLECS_FIRST_NAME	VARCHAR2(12)	VARCHAR2(60)
RPRLECS_MI	VARCHAR2(1)	VARCHAR2(60)
RPRLECS_SSN	VARCHAR2(9)	VARCHAR2(15)
RPRLECS_CURR_ADDR_LINE1	VARCHAR2(25)	VARCHAR2(75)
RPRLECS_CURR_ADDR_LINE2	VARCHAR2(25)	VARCHAR2(75)
RPRLECS_CURR_CITY	VARCHAR2(16)	VARCHAR2(50)
RPRLECS_CURR_ZIP	VARCHAR2(9)	VARCHAR2(30)
RPRLECS_CURR_PHONE_NO	VARCHAR2(10)	VARCHAR2(18)
RPRLECS_PERM_ADDR_LINE1	VARCHAR2(25)	VARCHAR2(75)
RPRLECS_PERM_ADDR_LINE2	VARCHAR2(25)	VARCHAR2(75)
RPRLECS_PERM_CITY	VARCHAR2(16)	VARCHAR2(50)
RPRLECS_PERM_ZIP	VARCHAR2(9)	VARCHAR2(30)
RPRLECS_PERM_PHONE_NO	VARCHAR2(10)	VARCHAR2(18)
RPRLECS_EMP_NAME	VARCHAR2(50)	VARCHAR2(500)
RPRLECS_EMP_ADDR_LINE1	VARCHAR2(25)	VARCHAR2(75)
RPRLECS_EMP_ADDR_LINE2	VARCHAR2(25)	VARCHAR2(75)

Column Name	Previous Length	New Length
RPRLECS_EMP_CITY	VARCHAR2(16)	VARCHAR2(50)
RPRLECS_EMP_ZIP	VARCHAR2(9)	VARCHAR2(30)
RPRLECS_EMP_PHONE_NO	VARCHAR2(10)	VARCHAR2(18)
RPRLECS_REF1_NAME	VARCHAR2(25)	VARCHAR2(500)
RPRLECS_REF1_ADDR_LINE1	VARCHAR2(25)	VARCHAR2(75)
RPRLECS_REF1_ADDR_LINE2	VARCHAR2(25)	VARCHAR2(75)
RPRLECS_REF1_CITY	VARCHAR2(16)	VARCHAR2(50)
RPRLECS_REF1_ZIP	VARCHAR2(9)	VARCHAR2(30)
RPRLECS_REF1_PHONE_NO	VARCHAR2(10)	VARCHAR2(18)
RPRLECS_REF2_NAME	VARCHAR2(25)	VARCHAR2(500)
RPRLECS_REF2_ADDR_LINE1	VARCHAR2(25)	VARCHAR2(75)
RPRLECS_REF2_ADDR_LINE2	VARCHAR2(25)	VARCHAR2(75)
RPRLECS_REF2_CITY	VARCHAR2(16)	VARCHAR2(50)
RPRLECS_REF2_ZIP	VARCHAR2(9)	VARCHAR2(30)
RPRLECS_REF2_PHONE_NO	VARCHAR2(10)	VARCHAR2(18)
RPRLECS_NOK_NAME	VARCHAR2(25)	VARCHAR2(500)
RPRLECS_NOK_ADDR_LINE1	VARCHAR2(25)	VARCHAR2(75)
RPRLECS_NOK_ADDR_LINE2	VARCHAR2(25)	VARCHAR2(75)
RPRLECS_NOK_CITY	VARCHAR2(16)	VARCHAR2(50)
RPRLECS_NOK_ZIP	VARCHAR2(9)	VARCHAR2(30)
RPRLECS_NOK_PHONE_NO	VARCHAR2(10)	VARCHAR2(18)

New Bio-Demographic Database Elements

The following new data elements were added to the RPRLECS table, but not displayed on forms, self-service, or channels.

Column Name	Null?	Type	Comment
RPRLECS_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Borrower's name tag preceding the last name or surname. (Van, Von, Mac. etc.)
RPRLECS_CURR_ADDR_LINE3	YES	VARCHAR2(75)	ADDRESS LINE3: Borrower's current street address Line 3.
RPRLECS_CURR_ADDR_LINE4	YES	VARCHAR2(75)	ADDRESS LINE4: Borrower's current street address Line 4.
RPRLECS_CURR_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Borrower's current building or lot number on a street or in an area.
RPRLECS_CTRY_CODE_CURR_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Borrower's current telephone code designating the region or country.
RPRLECS_PERM_ADDR_LINE3	YES	VARCHAR2(75)	ADDRESS LINE3: Borrower's permanent address Line 3.
RPRLECS_PERM_ADDR_LINE4	YES	VARCHAR2(75)	ADDRESS LINE4: Borrower's permanent address Line 4.
RPRLECS_PERM_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Borrower's permanent building or lot number on a street or in an area.
RPRLECS_CTRY_CODE_PERM_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Borrower's permanent telephone code designating the region or country.

Column Name	Null?	Type	Comment
RPRLECS_EMP_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Employer's name tag preceding the last name or surname. (Van, Von, Mac. etc.)
RPRLECS_EMP_ADDR_LINE3	YES	VARCHAR2(75)	ADDRESS LINE3: Employer street address Line 3.
RPRLECS_EMP_ADDR_LINE4	YES	VARCHAR2(75)	ADDRESS LINE4: Employer street address Line 4.
RPRLECS_EMP_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Employer's building or lot number on a street or in an area.
RPRLECS_CTRY_CODE_EMP_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Employer's telephone code designating the region or country.
RPRLECS_REF1_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Reference 1 name tag preceding the last name or surname. (Van, Von, Mac. etc.)
RPRLECS_REF1_ADDR_LINE3	YES	VARCHAR2(75)	ADDRESS LINE3: Reference 1 street address Line 3.
RPRLECS_REF1_ADDR_LINE4	YES	VARCHAR2(75)	ADDRESS LINE4: Reference 1 street address Line 4.
RPRLECS_REF1_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Reference 1 building or lot number on a street or in an area.
RPRLECS_CTRY_CODE_REF1_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Reference 1 telephone code designating the region or country.

Column Name	Null?	Type	Comment
RPRLECS_REF2_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Reference 2 name tag preceding the last name or surname. (Van, Von, Mac. etc.)
RPRLECS_REF2_STREET_LINE3	YES	VARCHAR2(75)	STREET LINE3: Reference 2 street address Line 3.
RPRLECS_REF2_STREET_LINE4	YES	VARCHAR2(75)	STREET LINE4: Reference 2 street address Line 4.
RPRLECS_REF2_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Reference 2 building or lot number on a street or in an area.
RPRLECS_CTRY_CODE_REF2_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Reference 2 telephone code designating the region or country.
RPRLECS_NOK_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Next of Kin name tag preceding the last name or surname. (Van, Von, Mac. etc.)
RPRLECS_NOK_STREET_LINE3	YES	VARCHAR2(75)	STREET LINE3: Next of Kin street address Line 3.
RPRLECS_NOK_STREET_LINE4	YES	VARCHAR2(75)	STREET LINE4: Next of Kin street address Line 4.
RPRLECS_NOK_HOUSE_NUMBER	YES	VARCHAR2(10)	HOUSE NUMBER: Next of Kin building or lot number on a street or in an area.
RPRLECS_CTRY_CODE_NOK_PHONE	YES	VARCHAR2(4)	TELEPHONE COUNTRY CODE: Next of Kin telephone code designating the region or country.

Certification Initials Validation Table (RTVCINT)

The field length has been expanded on existing data elements for the following bio-demographic fields to support internationalization.

Column Name	Previous Length	New Length
RTVCINT_LAST_NAME	VARCHAR2(25)	VARCHAR2(60)
RTVCINT_FIRST_NAME	VARCHAR2(15)	VARCHAR2(60)
RTVCINT_MI	VARCHAR2(1)	VARCHAR2(60)

New Bio-Demographic Database Elements

The following new data elements were added to the RTVCINT table, but not displayed on forms, self-service, or channels.

Column Name	Null?	Type	Comment
RTVCINT_SURNAME_PREFIX	YES	VARCHAR2(60)	SURNAME PREFIX: Name tag preceding the last name or surname. (Van, Von, Mac. etc.)

Changed Database Objects

In support of Banner internationalization, the existing fields that store names, addresses, telephone numbers, e-mail addresses, and social security numbers were expanded to store various types of demographic data. Fields referenced by the following database objects were expanded:

bwrcbre1.sql and bwrcbref.sql

These objects retrieve the student's work-study supervisor's telephone number to display in the Work-Study Channel. If the student has more than one work-study position with a different supervisor, the channel will retrieve the telephone number for all positions.

The following bio-demographic columns flagged for expansion are used by this object:

COLUMN NAME	PREVIOUS LENGTH	NEW LENGTH
RJBPLBD_PHONE_AREA	VARCHAR2(3)	VARCHAR2(6)
RJBPLBD_PHONE_NUMBER	VARCHAR2(7)	VARCHAR2(12)
RJBPLBD_PHONE_EXT	VARCHAR2(4)	VARCHAR2(10)

rcfgssn.sql

Defines stand alone function `f_get_ssn` that returns `RCRAPP1_SSN` and is used by the following:

- BANNER Web for Financial Aid Loan App History Display Package Bodies (bwrklhs1.sql)
- rbvbud2.sql
- rpvawt2.sql
- rpvawy2.sql

BANNER Web for Financial Aid Loan App History Display Package Bodies (bwrklhs1.sql)

This object displays details of the student's loan history activity in Self-Service. It retrieves SSN data from `SPBPERS_SSN` and uses `RCRAPP1_SSN` as a blueprint for defining the format of the Social Security data.

The `SPBPERS_SSN` has been updated to 15-characters and `RCRAPP1_SSN` has been updated to 15 characters. The data displays within the Loan Application History page in Banner Financial Aid Self-Service.

rbvbud2.sql

This object is the level 3 layer of the `AR_BUDGET_COMPONENTS` Object:Access view which retrieves data from `RCRAPP1_SSN`. This view returns Social Security data as the SSN attribute for the `AR_BUDGET_COMPONENTS` view.

rpvawt2.sql

This object is the level 3 layer of the `AR_AWARD_DETAIL_BY_TERM` Object:Access view which retrieves data from `RCRAPP1_SSN`. This view returns Social Security data as the SSN attribute for the `AR_AWARD_DETAIL_BY_TERM` view.

rpvawy2.sql

This object is the level 3 layer of the AR_AWARD_DETAIL_BY_YEAR Object:Access view which retrieves data from RCRAPP1_SSN. This view returns Social Security data as the SSN attribute for the AR_AWARD_DETAIL_BY_YEAR view.

rcvapl2.sql

This object is the level 3 layer of the AR_FINAID_APPLICANT Object:Access view which retrieves data from RCRAPP1_SSN. This view returns Social Security data as the SSN attribute for the AR_FINAID_APPLICANT view.

2006-2007 COD Extract Database Package (rekce07.sql and rekce071.sql)

This database package is used by the REREX07 process. The procedures and functions in the package retrieve and validate data for the COD extract.

2007-2008 COD Extract Database Package (rekce08.sql and rekce081.sql)

This database package is used by the REREX08 process. The procedures and functions in the package retrieve and validate data for the COD extract.

REKORIG Package (rekorig0.sql and rekorig1.sql)

The following bio-demographic columns flagged for expansion are used by this object:

Column Name	Previous Length	New Length
RCRAPP1_LAST_NAME	VARCHAR2(16)	VARCHAR2(60)
RCRAPP1_FIRST_NAME	VARCHAR2(12)	VARCHAR2(60)
RCRAPP1_MI	VARCHAR2(1)	VARCHAR2(60)
RCRAPP1_SSN	VARCHAR2(9)	VARCHAR2(15)
RORSTAT_SAR_SSN	VARCHAR2(9)	VARCHAR2(15)

The p_get_rcrappx_data procedure retrieves default values from RCRAPP1 for the origination record.

The p_get_rorstat_data procedure retrieves the RORSTAT_SAR_SSN for the origination record.

rotiden0.sql

The following bio-demographic columns flagged for expansion are used by this object:

Column Name	Previous Length	New Length
ROTIDEN_FIRST_NAME	VARCHAR2(15)	VARCHAR2(60)
ROTIDEN_MI	VARCHAR2(15)	VARCHAR2(60)
ROTIDEN_SEARCH_FIRST_NAME	VARCHAR2(15)	VARCHAR2(60)
ROTIDEN_SEARCH_MI	VARCHAR2(15)	VARCHAR2(60)

The RT_ROTIDEN_NAME_COMPRESS is a table level trigger that copies the ROTIDEN_FIRST_NAME and ROTIDEN_MI to ROTIDEN_SEARCH_FIRST_NAME and ROTIDEN_SEARCH_MI respectively.

rotstat9.sql

The following bio-demographic columns flagged for expansion are used by this object:

Column Name	Previous Length	New Length
RORSTAT_SAR_SSN	VARCHAR2(9)	VARCHAR2(15)

The RT_RORSTAT_LOG_INSUPDDTL is a table level trigger for logging.

rovstu2.sql

This object is the level 3 layer of the AR_FINAID_STUDENT_SUMMARY Object:Access view which retrieves data from RCRAPP1_SSN. This view returns Social Security data as the SSN attribute for the AR_FINAID_STUDENT_SUMMARY view.

rrvreq1.sql

This object is the level 2 layer of the AR_TRACKING_REQUIREMENTS Object:Access view which retrieves data from RCRAPP1_SSN. This view returns Social Security data as the SSN attribute for the AR_TRACKING_REQUIREMENTS view

Obsolete Objects

The following objects are now obsolete.

- rpblndra.sql
- rpblndrb.sql
- rovfins.sql
- rpvaddr.sql
- rpvadrs.sql
- rpvadrs.sql
- Financial Aid Transcript Request Form (rharqst.fmb)
- Financial Aid Transcript Process (rhrtran.pc)

7 Supplemental User ID/ Activity Date and Logging - Technical



New Database Elements

Budgeting

A User ID column was added to the following Budgeting tables.

Column Name	Null?	Type	Comment
RBRCOMP_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RBRGMSG_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RBRGTYP_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RTVBGRP_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RTVBTYP_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RTVCOMP_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.

Short Term Credit

A User ID column was added to the following Short Term Credit tables.

Column Name	Null?	Type	Comment
RPBSTAB_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RPRASTD_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RTVCINT_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RTVRPSR_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.

Student Employment

A User ID column was added to the following Student Employment tables.

Column Name	Null?	Type	Comment
RBJJOBT_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RJBPLBD_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RJBSEDR_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RJRPAYL_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.

Column Name	Null?	Type	Comment
RJRPLRL_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RJRSEAR_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RJRSERF_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RJRSEWH_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RTVAUST_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RTVRFST_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.

Changed Database Elements

Budgeting

The existing user ID and/or activity date can now be null for the following Budgeting tables.

Column Name	Null?	Type	Comment
RBBABUD_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RBBABUD_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.

Column Name	Null?	Type	Comment
RBRACMP_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RBRACMP_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RBRCOMP_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RBRGMSG_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RBRGTYP_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RBRMIXD_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RBRMIXD_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RTVBGRP_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RTVBTP_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RTVCOMP_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.

Short Term Credit

The existing user ID and/or activity date can now be null for the following Short Term Credit tables.

Column Name	Null?	Type	Comment
RPBSTAB_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RPRASTC_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RPRASTC_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RPRASTD_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RPRSTAC_USER_ID	YES	VARCHAR2(30)	USER ID: The logon ID of the user who entered or last updated this row in this table.
RPRSTAC_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RTVCINT_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RTVRPSR_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.

Student Employment

The existing user ID and/or activity date can now be null for the following Student Employment tables.

Column Name	Null?	Type	Comment
RJBJOBT_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RJBPLBD_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RJBSEDR_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RJRPAYL_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RJRPLRL_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RJRSEAR_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RJRSERF_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RJRSEWH_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RTVAUST_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.
RTVRFST_ACTIVITY_DATE	YES	DATE	ACTIVITY DATE: The date that information for this record in the table was entered or last updated.

New Database Objects

New Triggers

The following new triggers perform logging for the associated table.

```
RT_RBRCOMP_LOG_INSUPDDL (rbtcomp9.sql)
RT_RBRGMSG_LOG_INSUPDDL (rbtgm99.sql)
RT_RBRGTYP_LOG_INSUPDDL (rbtgtyp9.sql)
RT_RBRMIXD_LOG_INSUPDDL (rbtmixd9.sql)
RT_RTVBGRP_LOG_INSUPDDL (rttbgrp9.sql)
RT_RTVBTP_LOG_INSUPDDL (rttbtyp9.sql)
RT_RTVCOMP_LOG_INSUPDDL (rttcomp9.sql)
RT_RPBSTAB_LOG_INSUPDDL (rptstab9.sql)
RT_RPRASTD_LOG_INSUPDDL (rptastd9.sql)
RT_RPRASTC_LOG_INSUPDDL (rptastc9.sql)
RT_RPRSTAC_LOG_INSUPDDL (rptstac9.sql)
RT_RTVCINT_LOG_INSUPDDL (rttcint9.sql)
RT_RTVRPSR_LOG_INSUPDDL (rttrpsr9.sql)
RT_RJRSEAR_LOG_INSUPDDL (rjtsear9.sql)
RT_RJRSERF_LOG_INSUPDDL (rjtserf9.sql)
RT_RJBJOBT_LOG_INSUPDDL (rjtjobt9.sql)
RT_RJBPLBD_LOG_INSUPDDL (rjtplbd9.sql)
RT_RJBSEDR_LOG_INSUPDDL (rjtsedr9.sql)
RT_RJRPAYL_LOG_INSUPDDL (rjtpayl9.sql)
RT_RJRPLRL_LOG_INSUPDDL (rjtplr19.sql)
RT_RJRSEWH_LOG_INSUPDDL (rjtsewh9.sql)
RT_RTVAUST_LOG_INSUPDDL (rttaust9.sql)
RT_RTVRFST_LOG_INSUPDDL (rttrfst9.sql)
```

The following new triggers maintain the user ID and activity date for the associated table.

```
RT_RBRCOMP_USERACTIVIT_INSUPD (rbtcomp0.sql)
RT_RBRGMSG_USERACTIVIT_INSUPD (rbtgm90.sql)
RT_RBRGTYP_USERACTIVIT_INSUPD (rbtgtyp0.sql)
RT_RBRMIXD_USERACTIVIT_INSUPD (rbtmixd0.sql)
```

RT_RTVBGRP_USERACTIVIT_INSUPD (rttbgrp0.sql)
RT_RTVBTyp_USERACTIVIT_INSUPD (rttbtyp0.sql)
RT_RTVCOMP_USERACTIVIT_INSUPD (rttcomp0.sql)
RT_RPBSTAB_USERACTIVIT_INSUPD (rptstab0.sql)
RT_RPRASTD_USERACTIVIT_INSUPD (rptastd0.sql)
RT_RPRASTC_USERACTIVIT_INSUPD (rptastc0.sql)
RT_RPRSTAC_USERACTIVIT_INSUPD (rptstac0.sql)
RT_RTVCINT_USERACTIVIT_INSUPD (rttcint0.sql)
RT_RTVRPSR_USERACTIVIT_INSUPD (rttrpsr0.sql)
RT_RJRSEAR_USERACTIVIT_INSUPD (rjtsear0.sql)
RT_RJRSERF_USERACTIVIT_INSUPD (rjtsear0.sql)
RT_RJBJOBt_USERACTIVIT_INSUPD (rjtjobt0.sql)
RT_RJBPLBD_USERACTIVIT_INSUPD (rjtplbd0.sql)
RT_RJBSEDR_USERACTIVIT_INSUPD (rjtsedr0.sql)
RT_RJRPAYL_USERACTIVIT_INSUPD (rjtpayl0.sql)
RT_RJRPLRL_USERACTIVIT_INSUPD (rjtplrl0.sql)
RT_RJRSEWH_USERACTIVIT_INSUPD (rjtsewh0.sql)
RT_RTVAUST_USERACTIVIT_INSUPD (rttaust0.sql)
RT_RTVRFST_USERACTIVIT_INSUPD (rttrfst0.sql)

New and Modified Required Data

This release includes scripts that delete logging-only entries from the Data Dictionary Table (RORDATA) and the Supplemental Log Data Table (RORDSUP). This removes the prior logging method by preventing logging entries from being added to the Audit Log Table (ROBALOG) and Audit Log Supplemental Data Table (RORSLOG).

Additional scripts have deleted logging-only entries from the Audit Log Form/Data Code Table (RORDVAL). Entries that control corrections were not deleted.

Data Log Rules Table (RORDATA)

The rordatad_080000.sql and rordatai_080000.sql scripts delete the RORDATA entries associated with the table that are not part of corrections.

Supplemental Log Data Table (RORDSUP)

The `nordsupd_080000.sql` script was created to delete the RORDSUP entries associated with the table.

Audit Log Form/Data Code Table (RORDVAL)

The `nordvald_080000.sql` script was created to delete the RORDVAL entries associated with the table.

Logging Control Base Table (ROBLOGC)

The `roblogcd_080000.sql` and `roblogci_080000.sql` scripts were created to add a database table entry to the Logging Control Base Table (ROBLOGC) for all new tables with user-defined logging.

Logging Control Repeating Table (RORLOGC)

The `rorlogci_080000.sql` script was created to add entries for each column of the database table to the Logging Control Repeating Table (RORLOGC).

Affected Tables

The following tables are affected by the changes noted in the New and Modified Required Data section.

Budgeting Tables

RBRMIXD

RBRCOMP

RBRGTYP

RBRGMSG

RTVBGRP

RTVBTYP

RTVCOMP

Short Term Credit Tables

RPBSTAB

RPRASTC

RPRASTD

RPRSTAC

RTVCINT

RTVRPSR

Student Employment Tables

RBJJOBT

RJBPLBD

RJBSEDR

RJRPAYL

RJRPLRL

RJRSEAR

RJRSERF

RJRSEWH

RTVAUST

RTVRFST

8 Problem Resolutions



This section summarizes the *new* problem resolutions delivered in Banner Financial Aid 8.0. The detailed description, impact, and resolution information for each problem resolution is delivered in a separate file named `finaid80000resolutions.txt`.

 **Note**

Banner Financial Aid 8.0 is a cumulative release and includes problem resolutions delivered in the 7.x releases. Refer to the associated release guides or resolution text files for information about the problem resolutions previously delivered. ■

Summary of Problem Resolutions

Object	Defect Number	Summary
doc	1-2ZGB9U	RTVUSER form was obsoleted in release 7.9.
mval70500.sql	1-HJBQ2	A typo in the Banner Financial Aid 7.5 upgrade script mval70500.sql causes an error during ruds70500
RJRJOBT Form is NOT updating the activity date	1-3D0PXM	The rjbjobt_activity_date is not updated when information is changed on the RJRJOBT form
UPGRADE	1-13HT7D	Gostage fails when Banner Financial Aid 7.6 is applied after 6.11.
Upgrade Guide	1-IATH2	REREX07 and RERIM07 are not listed on p.20 of the new object table in 7.5 Upgrade Guide

