

This is the SICAS Student 7.5S2 release.

This release is dependent on the following releases:

Student 7.5S1
General 7.5S2

SPECIAL NOTES:

1. If a campus installs the Student 7.6S release and then the Student 7.5S2 release, they will need to recompile smrsels.pc from the Student 7.6S release. (corrected 7/22/09)
2. This release contains the ASC application processing changes for the 2010 application year. One of these changes involves the addition of Canadian province codes. The Canadian Province code on page 68 of the 2010 ASC processing manual must exist on STVSTAT. You **MUST** check this table to make sure the Canadian Province codes are present and add them if they are not.
3. This release contains FDR 2004-012 which is a re-write of the ASC application processing software. SICAS will support both the old APC load process and the new ASC Application Load process for the 2010 application year **ONLY**. All campuses will need to switch to the new ASC Application Load process for the 2011 application year

SICAS Release Highlights:

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FDR 2004-012 Re-write of the ASC Application Load Process.

The SICAS ASC Application Load has been developed to Admissions Applications flat files provided by the Application Service Center (ASC). The SICAS Application Load Process utilizes the maximum of the Banner EDI load process and the Common Matching process to facilitate the processing of applications and Admissions decision making. Under the direction of the Admissions FAUG, this program has been developed to meet the needs of its member campuses.

The SICAS Application Load replaces the SICAS APC Application Load, beginning with the 2010 application processing year. SICAS has re-written the Application Load using the SICAS General File Load Application and incorporating baseline EDI application processing wherever possible. These steps include using Common Matching to match or create the applicant in Banner. This makes the SICAS Application Load more maintainable and allows it to be consistent with Banner baseline changes.

The SICAS Application Load imports the Application File into baseline Admissions EDI tables and a SICAS temporary holding table SATYASC. During the Application processing, applicant Banner IDs will either be newly generated or matched to existing Banner IDs through the baseline Common Matching routines. Any data loaded into the EDI tables will then be checked, formatted and loaded into Banner by the baseline Verification and Push application processes.

Since not all application information sent by ASC can be imported into Banner using baseline Admissions processing, any additional SUNY specific information is then transferred into a permanent SICAS form SAAYASC for viewing. This ensures that all application information is available to Admissions personnel for decision-making and reporting purposes.

This document will focus on the required setup that will enable the ASC applications to load into Banner for processing. Information on using Banner to load the applications is available in the Banner Student User Guide in the Admissions module section on EDI. It is essential that Campuses read and understand the baseline EDI and Common Matching process before proceeding with the SICAS ASC Load setup and use.

******IMPORTANT NOTE:** SICAS will support both the old APC load process and the new ASC Application Load process for the 2010 application year **ONLY**. All campuses will need to switch to the new ASC Application Load process for the 2011 application year.****

The 2010 changes are included in the APC load process under RF 5496.

➤ Problem Resolutions

New GTVSDAX Entries: The list below contains new GTVSDAX entries included in this release.

RF# 5328- For APC Load process added SSN_LOAD/ SICAS_ASC_SSN to allow campuses to decide whether or not to load ID numbers into the SSN field when those numbers are not valid SSN's.

RF# 5389 – For SIRIS- Added SICAS_SIRIS_CLONE/CLONE_DONE. This entry helps the SIRIS process delete SUNYID's from non-production databases after a clone from production.

RF#	Campus	Reported in Release	Object(s)	Title
4690	SICAS Center	7.3S3	SFAREGS	Using Override = A on SFAREGS produces undesired results for SICAS-008
5037	Jefferson CC	7.5S1	SFAYSNR	Can't Navigate to all columns on SFAYSNR form
5104	Orange CC	7.4S1	SFKYCAP	Repeat Flag not updated to a 'Y' appropriately
5115	SICAS Center	7.4S1.1	SFRYCAP	Need to include courses that Count in Assessment
5141	Jamestown CC	7.4S2	SCRYEMG	Former employee extracted by SCRYEMG
5194	SICAS Center	7.4S2	SORYAPCL09.SQR	ASC curriculum codes/campus codes.
5199	Herkimer CC		SPPYIMH	Holds not applying due to Oracle Error
5202	SICAS Center		MULTIPLE	SDS/TSDS - fixes to several elements.
5206	Fashion Institute of Technology	7.2.s1	SORYGET	error on form
5210	SICAS Center	7.5S1	SGRYSDS	SGRYSDS won't run in FINAL mode
5218	SICAS Center		ISTVYVTL,ISCBYCRS	State Supported Credits not calculating correctly
5219	Brockport	7.5.1S.0	SGASTDN, SFKYSID	Unable to enter new Study Abroad codes on SGASTDN
5229	SICAS Center	7.5S1.1	SGRYSDS	Census Date Validation is not working
5231	Farmingdale	6.2S3	SFRYIMM	SFRYIMM Problem - duplicate rosters being created.
5236	SICAS Center	7.5S1	SFKYCVIR, ISTVYVTL	SIRIS SDS Performance Improvement; UNDOC and UN Visa Code Changes
5239	SICAS Center	7.5S1	SFKYCVT1	Long SQLs entered on SOAYDTI are failing; Suppress Foreign Addresses in US; Errors not showing.
5259	SICAS Center	7.5S1	ISTVYVTL	Ethnicity Element not sending
5260	SICAS Center	7.0S1	SOIYCUR	SDS - Add APES code and Award Level to SOIYCUR
5261	SICAS Center		ISTVYVTL	Ethnicity not reporting properly
5262	Jamestown CC	7.5s1	SHKYGAS	PT TAP & Consecutive Semesters
5306	Hofstra University	7.5S1	SORYTCE	SORYTCE running long
5308	Monroe CC	7.13	SOAYTRC / SOAYTRO	When a student is taking 10 credits and I try to enter a code of 99 for ADA Code - must have a # of 1-11.
5318	Plattsburgh	7.0S1	SLAYPRO	SLAYPRO not working since SLAYINC 7.5S1 does not require SSN

5319	SICAS Center	7.5S1	SOBYSDS1,SFKYCVI1	HS AVG not being sent; Required by State Op Campuses
5328	New Paltz	7.5S1	SORYAPCP09.SQR	ASC process not consistently looking at the ASC load indicator on SOACURR.
5329	SICAS Center	7.5S1	ISTVYVTL	SDS Multi-Term Credit Counts still not working correctly
5341	Jamestown CC	7,4.0.1S.3	SSASECT, SCACRSE	Missing funding source options
5343	SICAS Center	7.5S1	SFKYFEE1.SQL	Tuition Reversed On Re-assessment After Patch RF 5294 Applied.
5384	Hudson Valley CC		SORYTCE	TAP and SICAS 008
5388	Suffolk CC	7.5S2.1	SCVYNYA	ALRT (NY Alert) Registration Statistics not totaled correctly
5389	SICAS Center		SKFYCVTS, SKFYCVIR	Need to fix data on Test Database so SIRIS testing can continue after cloning from prod
5405	Niagara CC		SGKYIMM1.SQL	Rules set in SPIYIMR still causing students to not be required to prove immunization compliance
5432	SICAS Center	7.5S1.1	SHKYGAS	RPEYETAP0910 - Error Occurred During The Execution Of A Package
5455	SICAS Center	7.5S1	SFKYCA1	Withdrawn Courses not counting in Outcome Tracking for Financial Aid
5457	Jamestown CC	7.5.1	ISTVYVTL	Null state code are being sent as 'OT'
5461	Jefferson CC	7.5S1	SORYALD	SORYALD process terminates with error
5469	SICAS Center		STVYVTL, SOBYSDS	indexes needed to improve performance
5472	SICAS Center	7.5S1	ISTVYVTL, SSRYTSD	TSDS Instructor Element Fixes
5479	SICAS Center	7.5S1	ISSBYSEC	iSSBYSEC.SQL Syntax Error after RF#5391
5484	SICAS Center		GORYDTI,SOAYDTI	XML using HUGE amounts of Archieve log
5496	SICAS Center		SORYAPCL10.SQR	New ASC file load process needs to be created for the 2010 Processing Year
5498	SICAS Center	7.5S1	GORYDTI,SOAYDTI	SOAYDTI XML Display is confusing after RF#5484
5508	SICAS Center	7.5S1	SFKYCVIR, GOKYWSRD	TSDS Web Service Faults and Generation Errors, Meeting ID and Grade/Hour Selects and Section Fee issues
5524	SICAS Center	7.5s1	SFKYCVIR	student detail not being sent for non-credit courses
5530	SICAS Center	7.5S1	ISTVYVTL, SFKYCVT1	SIRIS - SDS Prog ID 2 element retrieving 2nd major not 2nd degree and other errors
5538	Jamestown CC	7.5.2S	SFKYCVI1,SKFYTSDS	Required tag not replaced (SSRYTSD)

RF# 4690 Using Override = A on SFAREGS produces undesired results for SICAS-008

Problem:

Using Override = A on SFAREGS produces undesired results for SICAS-008

This prohibits compliance error messages from being retained - such as the Course not counting in Program

as well as flagging the course as a repeat, when it is not a repeat.

Response:

To keep the error messages intact and keep the course from incorrectly being flagged as a repeat changes were made to the SFAREGS form and the SFKYCAP package body SFKYCA1.SQL.

In the SFAREGS form when and A is used in the override field this will not stop the Outcome Tracking package from running.

In the SFKYCA1.SQL:

1. The checking of the checking of the sfryrcp_override field in the where clause of the sel_sfryrcp cursor in the p_check_attribute procedure has been commented out.
2. The checking of the sfryrcp_override field in the if-then logic in the p_check_repeat procedure has been commented out.
3. The decode(lv_reg_rept_over,'Y','Y',p_repeated_ind) in the p_insert_sfryrcp and p_insert_sfryrcp_noprogram procedures during the insert into sfryrcp has been commented out. It is now just inserting the p_repeated_ind field.
4. New checking was added to the f_repeat_exists function to mimic the repeat processing done by the SFAREGS form.

RF# 5037 Can't Navigate to all columns on SFAYSNR form

Problem:

On the CCB Sponsor/Non-Sponsor Rate for SFAYSNR, can no longer navigate into third block of form to suppress printing of Sponsor county \$\$ on chargeback reports.

This will prevent CC's from calculating how much in chargeback expenses a county would incur if students had to go out-of-county to attend college vs. going to the CC, but suppressing those \$\$ on the Sponsor county CCB reports.

Response:

Enabled the bottom two values for edits with call to PY_ENABLE_COLUMN in the WHEN-NEW-RECORD-INSTANCE for the SFAYSNR block. This code was never in the block but some change made to the form seems to have altered the default availability of these controls.

Also used explicit control of visibility for the duplicate fields between the STVYSNR and SFAYSNR blocks. This may have been the real problem with this form and may have been due to Form Level changes at some point.

RF# 5104 Repeat Flag not updated to a 'Y' appropriately

Problem:

The Repeat Flag is not being updated to a 'Y' appropriately in the SFAYRCP form (SFAYRCP table) when a Repeated Course is encountered.

Repeat Limit on the Course is Set to 0.

Repeat Maximum is NULL.

SOATERM is set to Warning.

According to the SICAS-008 Outcome Tracking Documentation, if Banner Baseline encounters the repeat, then the Repeat Flag should be checked.

This should occur in this instance and it is not.

Response:

In the SFKYCAP.f_repeat_exists I commented out the following if statement which was preventing courses that did not have the maximum hours set to 0 and the repeat limit set to a number greater than 0 from being evaluated as a repeat:

```
-- SICAS.BEGIN /RF#5104 DMB  
-- IF lv_crse_rec.r_repeat_limit >= 0 AND lv_crse_rec.r_max_rpt_units = 0  
-- SICAS.END
```

RF# 5115 Need to include courses that Count in Assessment

Problem:

A lot of Financial Aid is disbursed against Billed Hours. That is why it is an option on the Financial Aid Side.

These are the FA options: Credit, Adjusted and Billed Hours.

Credit (Counts in Enrollment - STVRSTS)

Adjusted (Credit minus - RPRAUDT)

Billed Hours (Counts in Assessment - STVRSTS)

Campuses disburse aid heavily on Billed Hours (on STVRSTS they are marked include in assessment).

Campuses can disburse loans up to 10 days prior to the start of classes. Take for instance a student Registered for 6 credits with a loan.

Banner disburses loan 2 days before the start of class.

Student drops one course (DC counts in assessment, not in enrollment). The student is still eligible for all the loan proceeds. It is not considered a Title IV refund, because they still are in class. Dynamic processing is on

an this brings the Billed FA Hours down to 3. The Loan money is going to Back off.

By only allowing SICAS-008 courses to be calculated on count in enrollment – we eliminated the option of using Billed Hours effectively on the Financial Aid Side.

We need to bring over all courses that count in assessment. This also effects TAP Certification.

Response:

The following programs were modified to look for courses that count in assessment(STVRSTS_INCL_ASSESS) instead of courses that count in enrollment (STVRSTS_INCL_SECT_ENRL) to allow billing hours to be used when determining if a course is eligible for Financial Aid:

```
BWCKYRCM1.SQL  
SFKYCA1.SQL  
SFVYRCP1.SQL  
ROKYMIS1.SQL  
SFVYRCP2.SQL  
SFVYRCP3.SQL
```

SFVYRCP4.SQL
SFVYRCP5.SQL
SFRYCFA.PC
SFAYRCP.FMB
SMRSELS.PC

We also changed the SFRYCA1.SQL to now use Sungards shkrpts.p_count_repeat_units instead of the SICAS clone py_cmpl repeat_check.

RF# 5141 Former employee extracted by SCRYEMG

Problem:

Employees that leave continue to have an SSB Employee Role in order to have access to their historic employee data on campus. With this role they continue to be extracted by the SCRYEMG process unless they de-register for the service. Inactive employees should not be sent to NY-ALERT.

Response:

Adjusted the package and SQR to NOT include PIDs that are INACTIVE on SORYWSP for the NY_ALERT 999999 population.

Also altered the SQR to use the Primary Contact information on the Contact Information Tab on SOAYDTI ALERT interface and Campus ID from the Validation Codes tab. These values were being sent from GBTYCNT table (which is now obsolete).

RF# 5194 ASC curriculum codes/campus codes.

Problem:

The problem is that ASC sends one curriculum code, but the curriculum can be taken at Adirondack or Plattsburgh. Plattsburgh was trying to assign the ASC curriculum codes to 2 different Banner curriculums with different campus codes and the process does not allow for that. You can only have one ASC curriculum assigned to 1 Banner curriculum on SOACURR.

The ASC sends a campus code in the field below. Not sure what the ASC load process is doing with the campus code in position 706-707. Can you find out if this campus is related to the campus that student is applying to or if it is for some prior college info. What do we do with it.

Response:

Currently we are loading the campus code in position 706-707 if the application is in preliminary status into the TMPYAAP table when the SORYAPCLxx process is run. The preliminary status indicator can be found in position 1250 of the file. We do not process it further.

I contacted ASC and received the following information:

The campus code in positions 706-707 should always be populated – it represents the campus that the applicant is applying to. A list of the Campus Codes used by the ASC can be found in Appendix J of the 2009 ASC Data Processing Manual (see attached). Position 1250 is no longer used and will always be blank. As such, position 1250 has no connection to positions 706-707 (not sure it ever did). In most cases the entire file will have the same campus code in position 706-707. For example, if the file is for Fredonia, the campus code in position 706-707 will be '35' for the entire file.

Occasionally a campus with more than one admissions office will have us send the data for all their applicants in one file. For example, for Erie CC we combine their 3 campuses (campus code 79 for Eire

Buffalo, 13 for Erie Orchard Park, and 56 for Erie Williamsville) into one file, so position 706-707 would be needed to differentiate which campus was being applied to. Presently, there are only 3 other campuses that have more than one admissions office:

1. Stony Brook – we send 2 files – one for the main campus (19) and a second for Southampton (37)
2. Jamestown CC – we send 2 files – one for the main campus (59) and a second for the Olean campus (66)
3. Plattsburgh – similar to Erie, we send one file with both campuses (44 for the main campus, 38 for the Plattsburgh @ ACC campus)

The following changes were made to SORYAPCL09.SQR:

1. Commented out code in the APC_LOAD procedure that used the \$prelim variable from the file as that field is no longer populated per Joe at ASC.
2. Eliminated the fields being populated in the TMPYAAP table other than pidm, ssn, coll_code (campus code), user id, and activity date. This table will now be populated for all applications where the last name is not null. It will hold the campus code (706-707) which will be used in SORYAPCP09 for further processing.

The following changes were made to SORYAPCP09.SQR:

1. Added code to the GET_TMPADAP procedure to convert the TMPYAAP_COLL_CODE (\$yaap_camp_code) using SOTCNVT afterprocessing the concurrent curricula information.
2. Created new procedure to retrieve the TMPYAAP_COLL_CODE (\$yaap_camp_code).

After the curriculum data is set, we now convert the yaap_camp_code value (this is the new value stored in TMPYAAP during the SORYAPCL09 process). If a conversion for the code is found, then we want to set the adap_camp_code to the converted value, otherwise the adap_camp_code will be left as it was set by the curriculum routines. A change will only be made to what was set by the curriculum if they actually have something set up for the conversion.

It appears that our solution is not going to work for Plattsburgh. They have 2 different majors setup. The solution Plattsburgh came up with will not work for all of our campuses, some of them do not have the campus code populated. At this point Plattsburgh will need to use the version of the SORYAPCP09.SQR code that they modified. We will look at this issue further in the new ASC process.

We will ship the modifications to SORYAPCL09 process. DMB

RF# 5199 Holds not applying due to Oracle Error

Problem:

When running Immunizations hold process, SPPYIMH, received following error.

Error Occurred During An Insert To The SPRHOLD Table.

ORA-02291: integrity constraint (SATURN.FK1_SPRHOLD_INV_STVORIG_CODE) violated - parent key not found

HHHHHHHHH Jones, Joan

Error Occurred During An Insert To The SPRHOLD Table.

ORA-02291: integrity constraint (SATURN.FK1_SPRHOLD_INV_STVORIG_CODE) violated -

parent key not found

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Response:

In RF# 4486, a parameter was added to ask for the origination code for the student hold. The code entered has to exist on STVORIG. However, the code was not being validated when entered on the Job Submission form and the program was not erroring out correctly if the origination code was not valid. The process tried to run through and failed the integrity constraint during the insert into SPRHOLD due to the invalid origin code.

Added validation against STVORIG on GJAPDEF for Parameter #9 so code is validated before job is submitted.

Modified SPPYIMH.SQR to remove validation routine in Job Submission since validation will be done on Job Submission form. Also modified code that validates the parameter for origin when process is run from command line.

RF# 5202 SDS/TSDS - fixes to several elements.

Problem:

Reported Severity: Medium

1. SDS - The 7.5S1 release select statements for elements SS Low Div, SS Up Div, and SS Grad were not efficiently written and made the SDS process hang up.
2. SDS -Need to ship the default value of 10 for the degree element (SP040) and add a check of the higher ed history so that the select only looks for a prior degree if the HEH is (2) or (6). If the HEH= 2 or 6 and no prior degree is found the campus should send 10, currently the process is not sending anything.
3. SDS - Need to add a condition to the Prog ID elements to account for the condition where a program has a department code and the student does not. Currently the process does not send anything when this condition occurs. This causes a warning error on the program ID element and a fatal error on the Award LVL element.
4. TSDS - RF# 4900 resolved with this RF. Need ability to calculate Student and Faculty Contact hours. Also need Override capability for circumstances that do not follow calculations.

Response:

1. Modified the selects to be more efficient and added Primary key of SSBYSEC_TERM_CODE and SSBYSEC_CRN to SSBYSEC shadow table. Made SSBYSEC_CAMP_SECTION_ID and SSBYSEC_TERM_CODE unique keys.
2. Added 10 as default on SOAYDTI and modified select statement for element to add check for Higher Ed History - '2' or '6'
3. Added check for blank student department code to Prog ID 1, Prog ID 2, and Award LVL elements.
4. RF#4900 is also resolved by this patch. The responses for RF#4900 are:

SICAS has provided a local mod point where campuses can perform any calculation they like to

generate the Student Contact Hours and another for Faculty Contact hours.

SCACRSE and SSASECT were also modified to provide OVERRIDE value support for both of these values. Overrides will be used in place of Local Mod Point calls when they exist. Student hours still have a default calculation that is used as a last resort.

RF# 5206 error on form

Problem:

When the registrars are trying to add a course to soryget they are receiving the following error

```
insert into sroyget (soryget_term_code_eff,soryget_yget_code,soryget_connector....
```

```
ora-01438 Value larger than Specified precision allowed for this column.
```

Response:

Need to alter precision of soryget_seqno field from 23,20 to something that will hold larger than 3 digit whole # - (24,4) should do it.

Can't just alter table because field has values in it.

soryget1.sql script will create temp table like soryget, copy contents of soryget to temp table. delete data from soryget, alter table and then insert data back into soryget from temp table.

RF# 5210 SGRYSDS won't run in FINAL mode

Problem:

The SIRIS process SGRYSDS will not run with FINAL in the Census parameter (02). Users receive an error indicating that the Census date that was entered is not valid.

Response:

THIS PATCH IS OBSOLETE. Install RF#5229 in its place.

An earlier patch's fix was in the wrong place in this version. The code was moved to the correct location.

RF# 5218 State Supported Credits not calculating correctly

Problem:

State support upper and lower division credits are still not calculating correctly even after Student 7.5S1 and RF 5202 are applied. The problem is the different level codes between SICAS and System admin. The System Admin data dictionary states that the level code should be 001 or 002 (upper or lower) which is what is being sent in some cases. This problem was fixed for CDS so some courses have been changed to 1 or 2 which is how the edits at system admin are being applied. We will change the level code that is sent to 1 or 2.

Response:

A mixture of SCBYCRS Level Values is currently in use. Some records use the 001..005 codes while others use 1..5 codes. The selects have been expecting 002, 003 and 004 and have ignored the 2, 3 and 4 equivalents.

SICAS is correcting all 001..005 codes to the correct values of 1..5 and altering the SELECTs to use those codes.

Also fixes the SFKYCVI1 object. FY_PriorInst was not returning a value.

RF# 5219 Unable to enter new Study Abroad codes on SGASTDN

Problem:

We are unable to enter the Study Abroad code on SGASTDN without first entering soem Study Abroad code on SFAREGS Enrollment block. The message of Invalid List/Code appears. We do not get the warning message about SDS needing it on SFAREGS - that only appears when there is a code on SFAREGS Study Abroad field.

We have dozens of programs that still look to the old SGASTDN field and do not yet have the time to move to using the new fields and re-train the appropriate personnel. We need to have the SGASTDN Study Abroad code allow entry regardless of what is on SFAREGS (even if no records found comes up).

Response:

This problem was an exception handling issue in the SFKYSID package. The new interface used by the SGASTDN form to retrieve Study Abroad Codes was not handling DATA_NOT_FOUND properly. The interface now captures this correctly and returns a NULL without raising the exception the form was reporting.

RF# 5229 Census Date Validation is not working

Problem:

No CENSUS date is considered VALID for a first run of SDS for a term when running through Job Submission. This was apparently caused by the fix for FINAL runs on Job Submission. Command Line was also failing all CENSUS dates but this also occurred when re-running with the existing CENSUS date for a term.

Response:

A new CENSUS date range procedure was built and the logic for collecting Term for both Command Line and Job Submission now call this procedure to establish the range of valid CENSUS dates for the term. This eliminates the complicated logic used to validate during the Census Date collection routines in favor of a simple test against the range.

This RF replaces RF#5210. RF 5210 contained a fix that prevented the SIRIS SGRYSDS from running in FINAL mode. After installing this RF campuses should be able to run in both CENSUS and FINAL mode.

RF# 5231 SFRYIMM Problem - duplicate rosters being created.

Problem:

Farmingdale State College came across a problem with the SFRYIMM report. We are getting duplicate rosters where the only difference is the course title. On SCACRSE there was a title change at some point. It looks as though the process doesn't look at the term effective in SCBCRSE. I have attached a piece of the output as well.

Took a piece of the code from the program and got the following results:

```
1 select distinct(ssbsect_crn), scbcrse_title, sbssect_term_code
2 from sbssect, scbcrse
3 where sbssect_term_code = '200902'
4 and scbcrse_subj_code = sbssect_subj_code
5 and scbcrse_crse_num = sbssect_crse_num
```

```
6* and sbssect_crn = '20232'
SQL> /
```

```
SSBSE SCBCRSE_TITLE SSBSECT_TERM
-----
```

```
20232 Integrated Resource Mgmt 200902
20232 Mgmt Theories & Practices 200902
```

Response:

I was able to duplicate Linda's issue here using the select she included in the problem report. I changed the code to select the SCBCRSE record with the max term effective less than or equal to the SSBSECT term in the PROCESS_COURSES procedure.

RF# 5236 SIRIS SDS Performance Improvement; UNDOC and UN Visa Code Changes

Problem:

SIRIS SDS Performance issues are making runtimes of a long as a day for our larger campuses running in TR mode. With the constant changes in both SICAS collections and System Admin edits, TR mode must be used regularly to reprocess successful transactions with problems.

The UN VISA code should send a US address instead of a foreign address the way UNDOC does.

Also, the UNDOC code was never inserted into the Validation Tab (GTVYVAL table) for use in VISA Code crosswalking. The UN code does currently exist on the Validation Tab.

Response:

The Submit logic was rewritten to improve performance including pre-generation of the XML (offline) and adjusting some routines based on statistics sent from Binghamton. XML pregeneration speeds up this process significantly and the faster transmission times will make it less likely that a server or network problem terminates the transmission mid-stream.

UNDOC code is inserted into the GTVYVAL table as a VISA Code element value.

Address selection logic will now treat UN as it does UNDOC.

RF# 5239 Long SQLs entered on SOAYDTI are failing; Suppress Foreign Addresses in US; Errors not showing.

Problem:

SELECTs entered on SOAYDTI which exceed 2000 characters fail to process. Error indicates a string buffer overrun.

Some local mod points seems to crash the ERROR PROCESSING tab logic. Once crashed, no further error messages are displayed for that processing run.

Foreign Students that have only a US Address need to send NO ADDRESS instead of supplying their US Perm Address.

Response:

Install RF# 5236 before installing this defect (2/27/09 - BAB)

This SQL SELECT edit was recently updated from 2000 characters to 4000 characters to support larger statements. The supporting package was updated to handle the new SQL size limit but a support function within the package was missed. The value was oversized for its original purpose but could not

handle SQL of more than 2500 characters.

The buffer has been increased to handle the new 4000 character limit.

Error Handling during XML Generation loop corrected; no longer crashing that system so all further errors and debug messages will display. Single processing errors in the XML Generation process should also all show now.

Foreign Students will no longer include US Address data in their XML.

RF# 5259 Ethnicity Element not sending

Problem:

The Banner design includes separate Hispanic Y/N and Hispanic Origin questions. System Administration uses a single question. The coding on STVYVTL does NOT send Unspecified Hispanic if the Hispanic Flag=True and Hispanic Origin is NULL.

System Administration is not receiving any Hispanic ethnicity from schools without Origin data.

Response:

Select was corrected to send '9' (Hispanic with unidentified Origin) when the Banner indicates that the person is Hispanic but no Hispanic Origin is recorded.

RF# 5260 SDS - Add APES code and Award Level to SOIYCUR

Problem:

For SDS application, APES and Award Level were added to the ASC/SDS tab on SOACURR. It would be easier for campuses to see which majors had this information added by using the SOIYCUR form rather than having to go into each major through the SOACURR form. The SOIYCUR form displays SICAS fields related to the curriculum information.

Response:

SDS - Add APES code and Award Level to SOIYCUR

1. Add ORDERBY Alert to select display order.
2. Add POST-QUERY trigger and KEY-EXEQRY trigger under the SORCMJR data block.
3. Add APES_CODE,APES_DESC,AWARD1,AWARD1DONE,AWARD2 items under the SORCMJR data block. MIZ

RF# 5261 Ethnicity not reporting properly

Problem:

The Hispanic Origin and the Ethnicity Elements are not being properly determined in the SIRIS SGRYSDS process. All students are being listed as Not Hispanic or Unknown.

Response:

Corrected the Hispanic Origin element (HispOrigin) and Ethnicity element (Ethnicity) SELECTs to appropriately send System Admin expected values including 8-Unknown when no data is available and 9-Unspecified Hispanic when ethnicity of Hispanic is indicated but no Origin data is available.

The Hispanic Origin element's name was changed for clarity and the Validation and Crosswalk are shipped with this patch since both are fixed sets for this application. SOBYSDS_HISPANIC_ORIGIN will be NULL when no origin exists on Banner and SOBYSDS_ETHNICITY will always contain a value. That value is '8' when new ethnicity data is not available.

RF# 5262 PT TAP & Consecutive Semesters

Problem:

We have a new full-time student fall 2006 (200612 term code) and earned 15 credits. Was enrolled full-time spring 2007 (200705), completed 13 hours, but only earned 9 credits (failed 4 credit hour course). Enrolled again fall 2007 FT and passed 16 new credits. Enrolled full-time spring 2008, but only in 9 new credit hours (repeated a D course). He received TAP 200612, 200705 and 200712. Was de-certified spring 2008.

For fall 2008, he enrolled PT and earned 9 new credits.

His PT TAP eligibility below was determined in Oct. 2008, and indicates the two consecutive semesters of 200612 and 200712.

1. Our 200612 fall term is followed by 200705 (spring 2007), then 200712 (fall 2007). 200612 and 200712 are not consecutive.
2. Although the student earned 24 credits 2006-07, they were not earned 12/semester.
3. He did not earn 12 new credits in any two consecutive semesters.

Response:

Made changes to the PROCEDURE py_calc_consec_credits to satisfy the condition of consecutive terms with 12 or more earned credits.

All campuses should load this patch immediately even if you have not loaded SICAS Student 7.5S1, there are no adverse effects by doing this.

However, be aware that once you do load SICAS Student 7.5S1 that this patch will need to be re-applied, because it will be over-written by that release.

Once done – RPEYETAPxxxx should be run in Update Mode for All Students to re-calculate Part-Time TAP eligibility.

RF# 5306 SORYTCE running long**Problem:**

The SGVACUR view in the fy_sgbstdn_level and fy_sgbstdn_campus functions seems to be running slowly. These functions are used in SHKYGAS.fy_calc_nys_gas, SHKYGAS.fy_acad_hist, and SHKYGAS.py_inst_prior_level. SORYTCE uses SHKYCAS.py_inst_prior_level.

Response:

Changed function fy_sgbstdn_level and fy_sgbstdn_campus to use the SGVCCUR view instead of SGVACUR view to see if performance is improved.

RF# 5308 When a student is taking 10 credits and I try to enter a code of 99 for ADA Code - must have a # of 1-11.**Problem:**

I am trying to input a status code of 99 for ADA on SOAYTRC. The student is taking 10 credits and when I try to put the 99 code in, the error at the bottom states it must have a # of 1-11. Has anyone else had this problem?

Response:

1. Added one more test condition in the trigger when-validate-item of SOBYTRH_AWARD_STATUS of the item SOBYTRH in data block SOBYTRH.
2. Changed the highest allowed value from 11 to 99 for the data block of SOBYTRH_AWARD_STATUS's property palette.
3. Added one more test condition in the trigger when-validate-item of SOBYTRO_AWARD_STATUS of the data block SOBYTRO.
4. Changed the highest allowed value from 11 to 99 for the data block of SOBYTRO_AWARD_STATUS's property palette.

RF# 5318 SLAYPRO not working since SLAYINC 7.5S1 does not require SSN**Problem:**

The Newer SLAYINC (7.5S1) has commented out any reference to the field SLRYIVP_SSN, and removed that field from the form. The older SLAYPRO requires that field to be there, otherwise the form does not proceed to the first block.

Problem also reported by a second campus:

Recently we have noticed on SLAYPRO when selecting a violator from the Violators Box we are receiving a dialog box that pops up Warning:

No Violator Exist for this Incident. Check the SLAYINC form. Once the OK button is selected and the user next blocks into the form, the Campus Proceeding information is populated (with the appropriate information).

This does not start occurring until after incident 3190 which was marked as confidential. We compared the tables behind the confidential record to records that have been entered in the past and did not see any differences. We also tested by unselecting the indicator but this did not resolve the issue.

Response:

1. Based on the audit_trail_4xs, we found SSN was created in the key_block so that SSN can be passed to SLIYHST for the user Navigating the SLIYHST form. Now we took off the SSN in the form because SSN are prohibited to use as a student ID number. --

RF# 5319 HS AVG not being sent; Required by State Op Campuses**Problem:**

State Operated campuses must report the HS AVerage (or GPA) value. The current solution is not send that value when stored in SOAHSCH form.

Also need Transfer GPA for incoming transfers and Undergrad GPA for incoming Graduate students.

Response:

Adding columns to the Base Table for three Criteria Elements not stored in the Test Score table. These will then be added to the Criteria repeating set without crosswalking the codes (since the crosswalk is for Test Score records).

Added SOBYSDS_HS_GPA, SOBYSDS_TRAN_GPA, and SOBYSDS_UG_GPA to the table and four elements to populate (the UG GPA requires TWO STVYVTL entries. See Process Orders in the 600's for the SQLs added for these GPA values. Elements are "HS GPA", "Trans GPA", "UG GPA" and "UGH GPA".

This is required for the SIRIS SDS process.

RF# 5328 ASC process not consistently looking at the ASC load indicator on SOACURR.

Problem:

The SORYAPCP09 process is not consistently looking at the ASC Load Indicator on SOACURR.

Response:

Added SORCMJR_LOAD_IND_SAPC into the where clause for the following procedures: GET_SORCMJR_INFO, GET_SORCMJR_INFO2, COUNT_CURR_RULE. DMB

RF5327 is also being shipped with this rf.

User id was not being updated on the SPBPERS table by the ASC load process.

User id was added to the update and insert procedures for the SPBPERS table. DMB

RF4481 is also being shipped with this rf.

Ok. Here's the problem with loading the SSN for foreign students. We can't tell if the SSN was generated by System Admin because the student left the SSN blank or if it is a valid foreign SSN. A valid foreign SSN can start with 9 and so does the fake ID.

The solution is a GTVSDAX entry.

Internal code = SSN_LOAD

Group = SICAS_ASC_SSN

Valid entries for the External code are:

N - No invalid SSNs loaded - load only valid SSNs in SPBPERS and make all others an alternate ID. Even if the SSN is valid for a Foreign student, it won't be loaded in the SSN field.

Y - All SSNs from ASC are loaded - Load all incoming ASC SSNs in SPBPERS whether valid SSN or not. This is what is being done today.

F - invalid SSNs loaded for Foreign students - if the student is foreign, load the SSN (may be a fake one generated by ASC, may be real we can't tell). This way, only foreign students will have an invalid SSN.

The default value is Y so that there is no change to the current functionality. If you wish to use the new functionality, you must change the setting to N or F.

Made program changes to accommodate above solution. DMB

RF# 5329 SDS Multi-Term Credit Counts still not working correctly

Problem:

RF#5320 did not fully correct the problem when students are taking classes in both terms.

Response:

New elements were added with Element names:

"Total Crd2", "SS Low Dv2", "SS Up Div2" and "SS Grad2" that add the additional credits into the credit totals. These are activated by campuses that have multiple terms in a single submission--set the Process Mode to "Use Select Code". The original elements ("Total Crd" ect.) should be made INACTIVE since the values they place in their columns are eliminated by new elements thus wasting

processing time.

Campuses which use Multiple Term support need to set these to "Use Select Code" by inserting a Local Mod Record and then changing the Process Method.

If you activate the new element then the matching original element should become INACTIVE. If you never have a type of credit (usually Graduate) then you can set one element to INACTIVE and the other to "Send Default" but make sure the Default is set to ZERO. This will speed processing.

RF# 5341 Missing funding source options

Problem:

The documentation on the SUNY website (Data Dictionary Updated 5/29/2007) indicates that the following are valid SIRIS codes for the funding source (TT 140) for a section:

5 State Supported with Associated Fee
6 Self Supported with Associated Fee

However, the form SSASECT will not allow these codes to be entered.

We have a number of credit courses which are eligible for state support but also have lab fees. If we try to code them as "1" (state funded), we get back the message "Section Fee and Funding Source Do Not Match."

At the moment, we are still testing TSDS submissions. We have not submitted any of this data in production.

Response:

SSASECT has been updated to accept the new codes on Sections. SCACRSE has been updated to accept the new codes for defaulting to SSASECT. The element details have been changed on SOAYDTI to reflect the new codes available.

RF# 5343 Tuition Reversed On Re-assessment After Patch RF 5294 Applied.

Problem:

Critical! After applying RF 5294 when a student is assessed or re-assessed all tuition and fee charges are reversed.

Found by HVCC and New Paltz

Response:

This was a typo in the SFKYFEES code. There was an extra comment indicator in the py_studentfess procedure. This single comment indicator caused student registered hours to not add up. Student hours were always zero so tuition and fees were reversed.

This patch replaces all previous versions of SFKYFEES!

It is critical that the patch be applied!

RF# 5384 TAP and SICAS 008

Problem:

The issue is that when returning (de)certification messages, SORYTCE is reporting SICAS 008 type messages and certification codes instead of reporting that the student is non-matriculated with a cert code of 6.

Response:

Moved the code to check for Program code in SFAYRCP to match the student's current Program code to run after the code to check for Non-Matriculated Students.

RF# 5388 ALERT (NY Alert) Registration Statistics not totaled correctly

Problem:

When running NY Alert Registration Statistics through SOAYDTI, the total row does not appear to be correct. For example, when running the report from our Fall09 semester, this is what we get (I removed the percentages to make this easier to see)

```
Count Reg Dec Delayed
EMPLOYEE 157 108 23 26
STUDENT 1571 1042 254 275
TOTAL 1575 1044 254 277
```

Response:

These numbers might actually be correct but misleading. A person with both STUDENT and EMPLOYEE roles are counted in both subsets but included in totals only one time. It also ignores the OTHER group in the breakouts but includes them in the TOTAL counts.

The view that this report is based on has been updated to handle STUDENTS, EMPLOYEE, STU/EMP and OTHER groups separately reporting each group once; the TOTAL item has not been altered. No changes to data, data handling code or table structures were needed. The view is not used for other reporting at this time so the change requires modification of no additional objects.

RF# 5389 Need to fix data on Test Database so SIRIS testing can continue after cloning from prod

Problem:

The SIRIS submissions transmit SUNYID numbers as part of the process. This happens in the SDS, CDS and TSDS processes. The SUNYID's in the test environment are different from those in the production environment. After a campus clones its database from production the SUNYID's must be removed from the test database to keep the campus test system in sync with the System Admin Test system.

Response:

This need is being met with a new procedure in the SFKYCVTS package and some new GTVSDAX entries to control an automatic post-clone process.

The procedure named `siris_removeids.sql()` removes all SIRIS SUNY defined IDs from a TEST data base. It will not run the delete against a database configured as PROD using the PROD_DB GTVSDAX entry (see note below). It will run for the purpose of configuring the system and to set the automatic execution option if desired.

The version of SFKYCVIR that is contained within this Patch corrects issues with the Roll of SSBSECT and SSRMEET shadow records. This patch must be installed BEFORE RF#5391 is used to roll Section data forward.

The system records that the deletes have occurred and will not delete IDs a second time even on a Test DB. The install ASSUMES that an existing TEST DB has had the IDs removed. If those IDs have not been removed then alter the GTVSDAX ENTRY (GROUP=SICAS_SIRIS_CLONE INTERNAL=CLONE_DONE) so that the EXTERNAL value is 'N' after the installation if complete and the IDs can be removed by running the SIRIS_RemoveSIDs.SQL file migrated during this install.

This patch required some General Objects that were modified to allow for new features on the GORYDTI form (the basis of SOAYDTI). The new version of GORYDTI was shipped with this patch to keep their distribution together. This new form supports better formatting of XML and the extract of XML objects of any size. This is useful for providing XML when debugging SIRIS transmission issues.

IMPORTANT INSTRUCTIONS BEFORE INSTALLATION IS DONE REGARDING PROD_DB:

DO NOT RUN UNTIL GTVSDAX ENTRY for Production DB Name (GROUP=SICAS_IR and INTERNAL=PROD_DB) is correctly set. It must contain the DB Name for your PRODUCTION db (even if it is on a TEST DB it still has the name of the PRODUCTION DB--this is critical).

To test this configuration:

```
SELECT GOKYWSRD.fy_is_Prod FROM DUAL;
```

It will return 'Y' when run on Production and 'N' on any non-production database when the GTVSDAX entry is correct. All Banner instances must contain the same exact setting.

TSDS Code was also rearranged to use the pre-generation of XML before transmission to match the SDS code.

BANNER 8 Only - Percent Effort Calculation error on 0% Total Effort (hard crash) corrected in this RF. Banner 7 Campuses receive this fix in RF#5472.

RF# 5405 Rules set in SPIYIMR still causing students to not be required to prove immunization compliance

Problem:

Our Health/Wellness center has made a policy change to require immunizations compliance for all credit-termed students that are on campus, no matter how many credit hours they are registered for. They adjusted the rules in SPAYIMR, setting the minimum credit hours for Immunization Compliance to 0. However there are many registration eligible students that should require compliance that show up in SPIYIMC as being NOT REQUIRED to show compliance. These students do not have any waivers, grace periods or overrides. Am I missing something that needs to be done to require compliance for these students?

We would like to use the SPPYIMH process to automatically place holds on students that have not proven immunization compliance but I think this is what's stopping the process from working correctly.

Response:

I added code to fy_require_compliance to skip the check to see if the student is enrolled in too few credit hours when the campus has the SPAYIMR rule for Minimum Credit Hours for Immunization Compliance Reporting set to 0. DMB

RF# 5432 RPEYETAP0910 - Error Occurred During The Execution Of A Package

Problem:

In one of our test environments- we upgraded to 7.14 for testing.
When I ran RPEYETAP0910-
For SOME records (not all) on the output looks like the following

xxxx xxxx xxxxxxxxxx \$ 0 \$ 0 0000 0 Not Assigned a TAP College Code

xxxxx xxxxx xxxxxxxxxx \$ 0 \$ 0 0000 0 Not Assigned a TAP College Code
 Error Occurred During The Execution Of A Package
 SHKYGAS.fycalcptelig
 ORA-01422: exact fetch returns more than requested number of rows
 ORA-06512: at "BANINST1.SHKYGAS", line 564
 ORA-06512: at "BANINST1
 .SHKYGAS", line 458
 ORA-06512: at line 1

They actually were grouped and estimated fine. And when I ran RPEYETAP-
 the posted to RPRAWRD just dandily as expected.
 So- I'm not sure what the output thing is.

Response:

The SHKYGAS package is looking for the current term in the py_calc_consec_credits procedure. At this point in time there are two current terms on this campus' system as the start and end dates for the spring and summer term overlap. I changed the code to look at the current term of the financial aid processing year linked to the term code passed in to the package. I also added an exception for TOO_MANY_ROWS to select the min curr_term. DMB

RF# 5455 Withdrawn Courses not counting in Outcome Tracking for Financial Aid

Problem:

When a student has a course on SFAREGS with and error flag of 'D' the course is not used in Outcome Tracking as eligible for aid.

Response:

The p_open_registration_c procedure in SFKYCA1.SQL was modified to allow courses with an error flag of 'D' to still be evaluated when considering aid, as long as the status on the class counts in assessment.

*****Banner 7 Version*****

Student 7.5S1 must be installed prior to installing this patch.

The following patches must also be installed in the listed order prior to installation of 7S5455:

1. 7S5104
2. 7S5115
3. 7S4690

*****Banner 8 Version*****

Student 8.1S1 must be installed prior to installing this patch.

The following patches must also be installed in the listed order prior to installation of 8S5455:

1. 8S5104
2. 8S5115
3. 8S4690

RF# 5457 Null state code are being sent as 'OT'

Problem:

For most (if not all) of our non-citizen students, we're receiving the following error for the SDS column "State" when we run SGRYSDS:

Not Valid for non-US Citizens and non-Permanent Residents

In the Processing Errors portion of SOAYDTI, the following appears in Additional Data:

```
OBJECT = SDS::200905.FINAL.J99999999
STUDENT = J99999999 Doe, John X
COMPONENT = Student J99999999
SUNY TAG = permanentStateUSTerritory
CONTENTS = OT
SEVERITY = 2 (Warning)
ERROR = 42 / Not Valid for non-US Citizens and non-Permanent Residents
```

I believe that SGRYSDS is sending a code of "OT" for these students.

I think that I know the source of the problem. Take a look at the column definition "State" in the form SOAYDTI. Look at the Web Configuration tab. The following appears the Alternate XML Column Specification:

```
SFKYCVIR.fy_convert(NULL,SOBYSDS_TERM_CODE,'SDS','State','STVSTAT',SOBYSDS_PERM
_STATE,
'SIRS','STATE_CNV',
NULL,'OT',NULL,SOBYSDS_PIDM)
```

'OT' is being passed as the Default for NULLs--this is not correct.

Response:

The process was sending a default of OT when there was no data, we have changed that. When the field is empty, no data will be sent.

The Alternate Column Specification on the Web Services Configuration tab was updated so that NULL is passed as the value to send when the field contains NULL. This field should never have been defaulted.

RF# 5461 SORYALD process terminates with error

Problem:

SORYALD keeps terminating with the following error:

Enter Username:

Hyperion SQR Server 8.3.1

Copyright (c) 1994-2005 Hyperion Solutions Corporation. All Rights Reserved.

SORYALD 7.5S1SICAS Aleph Patron Data Load Enter Run Sequence Number (Optional):
167489

Processing Records. Please Wait...

(SQR 5528) ORACLE OCISmtExecute error 911 in cursor 26:

ORA-00911: invalid character

```
SQL: SELECT TO_CHAR(SPBERS_BIRTH_DATE, 'MMDDYY') FROM SPBERS WHERE :1 =
SPBERS
_PIDM
```

Error on line 2226:
(SQR 3722) Could not set up cursor.

SQR: Program Aborting.

Response:

The select statement was not being built correctly. In RF# 4895, a fix was done to correctly form the select statement when a WHERE clause was used in the SORYULE form. That caused problems when a WHERE clause was not used.

Made modifications to ADJUST_ID_RULE_CLAUSE procedure to correctly create the table_PIDM phrase in the SELECT statement whether a WHERE clause is used in the statement or not.

RF# 5469 indexes needed to improve performance

Problem:

New indexes are needed to improve the performance of the TSDS (SGRYTSD) process.

Response:

Created indexes two indexes for Element and Interface (differing in order of those columns) on STVYVTL to improve processing loop performance.

Created a bitmap index on SOBYSDS to improve table access performance during all DML calls.

RF# 5472 TSDS Instructor Element Fixes

Problem:

A series of problems have been identified in the SICAS selects for Instructor elements of the TSDS Interface.

SOBYINS_TENURE_STS (Ins FT)

Not all variables are bound error.

SOBYINS_TENURE_STS (Ins Tenure)

ORA-01427: single-row subquery returns more than one row.

SOBYINS_HIGHEST_DEG (Ins Degree)

ORA-00913: too many values

In the second case, there might be a problem with our data. However, I don't think that can explain the other two cases.

ST Section (TS020) -- XML Generation Errors

The source of some of the SICAS XML errors is the column definition of ST Section (TS020) which has a target column of SORYMST_OTHER_COURSE_ID. There is no such column.

Has any progress been made on RF #5338 (Ins DDeg not sent)?

I'm using SSRYTSD to send TSDS information in a test environment. I receive the following message back for many of the instructors: "Domestic Institution Granting Degree is required". However, most of these instructors seem to have a valid code in the field SOBYINS_DOMESTIC_IPEDS.

I noticed the following in the Alternate XML Column Specification in the Web Service Configuration:

```
DECODE(SFKYCVIR.fy_convert(NULL,SOBYINS_TERM_CODE,'TSDS','Ins  
CDeg','STVNATN',SOBYINS_COUNTRY_DEG,  
'SIRS','NATION_CNV',  
NULL,'USA',NULL,SOBYINS_PIDM),  
'USA',NULL,SOBYINS_DOMESTIC_IPEDS)
```

It looks like the program is sending null if the country code is USA. Why is this being done? (Was it intended to send null if the country was not USA?)

SSRYTSD Title Error on Reports

Need to update the title on the job submission output. The current title is SICAS Course Data Submission. Needs to be changed to SICAS Term Section Data Submission.

Response:

The following corrections have been made to the SELECTs for TSDS:

SORYMST_CAMP_SECTION_ID (ST Section)

The target column on SOAYDTI for this element contained a non-existent column; this has been changed to SORYMST_CAMP_SECTION_ID. The bad column reference caused this element to raise an exception and no data was updated for the element.

SOBYINS_TENURE_STS (Ins FT)

The Select Code for this element referenced :SORYINS_SOURCE_TERM; this value is not available so the reference was changed to :TERM. The bad column reference caused this element to raise an exception and no data was updated for the element.

SOBYINS_TENURE_STS (Ins Tenure)

This reported problem turned out to be a local data issue -- no change made to this SELECT.

SOBYINS_HIGHEST_DEG (Ins Degree)

The SELECT on SOAYDTI was returning two values—SOAYDTI Selects all return a single value. The PIDM value being returned was removed. The extra return value caused this element to raise an exception and no data was updated for the element.

SOBYINS_DOMESTIC_IPEDS (Ins DDeg)

Removed the Alternate XML Column Specification completely—the data it contained belonged to Ins CDeg element and was completely inappropriate for Ins DDeg. This Alternate XML forced NULLs to be sent for all records even though data was populated in the table.

Title of the SSRYTSD process changed to "SICAS Term Section Data Submission".

RF# 5479 iSSBYSEC.SQL Syntax Error after RF#5391

Problem:

A syntax error crashes the new version of iSSBYSEC.SQL sent out in RF#5391. In addition all full term defaulting is performing a COMMIT so the Commit Parameter is not working.

Response:

Corrected version of iSSBYSEC.SQL provided. The provided SFKYCVIR package corrects the COMMIT on full term defaulting as well. This allows the final parameter to control all committing of data changes as designed.

This Patch is dependent on RF#5319 and RF#5389.

***** Instructions for using iSSBYSEC.SQL *****

NOTE: This script can be run multiple times for the same term--it will NOT update existing Shadow Records.

The best possible shadowing is done when you roll the shadow data from the same term the SSASECT term was rolled from using SSRROLL.PC because this retains non-default data. Rolled data should be reviewed.

All other options just set the default values on all CRN shadow records and requires any changes to the default values or other data to be entered using the SSASECT form. Data should be reviewed.

ALL PROMPTS WILL DISPLAY IN ALL MODES (hit enter key on unneeded items).

FIRST PARAMETER: Action

- 1 - Roll Shadow(rolls section shadow settings from one term to another)
- 2 - Default Term (defaults shadow data for all CRNs in a selected term)
- 3 - Default all Terms (defaults shadow data for all Terms/CRNS for CRNS that currently lack shadow data)
- 4 - Init 1st Term (just defaults shadow data for the term defined for the GTVSDAX entry FIRST_TERM)

SECOND PARAMETER: Term to Populate

Any valid SSASECT Term to populate shadow data for.

Required by Actions 1 and 2; entry ignored by Actions 3 & 4

THIRD PARAMETER: Roll Term

Valid SSASECT Term to obtain shadow data FROM during ROLL (Roll occurs when Action above is 1.)

Required by Action 1 only. Entry ignored by other Actions.

FOURTH PARAMETER: Commit

Y = Commit when shadowing is complete.

N = User will commit or rollback when done reviewing data.

Note: exiting SQL/Plus will COMMIT data.

RF# 5484 XML using HUGE amounts of Archieve log

Problem:

The gist of it is that a process ran on Friday between 12n and 5:45pm that generated over 30g of archive logs. It appeared that there was a long-lived INSERT INTO GOTYXML that *may* have been part of the reason for the generation of so much redo. The problem with this is they could easily run out of storage should this run again and the databases could all shut down automatically as a result of the space issue.

I found that this temp table (GOTYXML) was installed in PROD on 6/3/09 with patch 7s5389.

Response:

The method used to display XML in the Web Service Request and Response Tabs on SOAYDTI involves inserting XML into a temporary table. These inserts were recorded in the Archive Log and done for every displayed record in the Processing Errors tab for both Request and Response even if the XML was never looked at, these inserts quickly filled these log resources.

The solution is to create the XML only when it is displayed to the user. This was done by doing the generation of the XML (the inserts) only in the tab navigation routine (it was on both the tab navigation and the record navigation routines). This means that only XML the user tries to review will be generated and thus hundreds of thousands of unneeded inserts are avoided.

The downside of this is that these blocks go blank if they are displayed during record navigation since the code to refresh them is no longer running. The tabs would disappear if no XML existed for the record so when the box is there but empty it means that XML can be displayed by navigating to another tab in the lower portion of the form and then back to the XML tab of choice.

While this is not desirable form behavior, in this case it allows SICAS to provide the formatted XML display and extract without blowing up campus production Archive Logs.

RF# 5496 New ASC file load process needs to be created for the 2010 Processing Year

Problem:

These changes will take effect with the new 2010 processing season which begins on August 1, 2009. Note that these changes will not affect the remainder of the 2009 Application processing season.

Data elements being retired:

For 2010, two data elements are being retired from the Applicant Data Records. The positions that these data elements currently occupy will be set to blank going forward:

- 1) High School Average (positions 563-565). Starting with the 2008 processing season, this data element was replaced by the 'Expanded High School Average' data element, which is in positions 1378 to 1383.
- 2) Visa Type (positions 1051-1052). Starting with the 2008 processing season, this data element was replaced by the 'Expanded Visa Type' data element, which is in positions 1369 to 1373.

New addressing data elements:

For 2010, three new data elements will be added to the Applicant Data Records to supply codes for Canadian Provinces in the addressing fields. The new data elements will only be populated for addresses with a country of 'CANADA'. The new data elements will be as follows:

- 1) Applicant Permanent Address Canadian Province code:
 - Positions: 1397-1398
 - Possible values: Canadian province code (see table below) or blanks
- 2) Applicant Temporary Address Canadian Province code:
 - Positions: 1399-1400
 - Possible values: Canadian province code (see table below) or blanks
- 3) Applicant Parent/Guardian Address Canadian Province code:
 - Positions: 1401-1402
 - Possible values: Canadian province code (see table below) or blanks

Table of Canadian Provinces:

Canadian Province Name Canadian Province Code
Alberta AB
British Columbia BC
Manitoba MB
New Brunswick NB
Newfoundland and Labrador NL
Northwest Territories NT
Nova Scotia NS
Nunavut NU
Ontario ON
Prince Edward Island PE
Quebec QC
Saskatchewan SK
Yukon YT

Also for 2010, three new data elements will be added to the Applicant Data Records to supply FIPS Country Codes for the addressing fields. These FIPS codes can be utilized for matching to the correct country on support tables rather than matching on the country name. The new data elements are as follows:

- 1) Applicant Permanent Address Country code:
 - Positions: 1407-1408
 - Possible values: valid FIPS country code (see Appendix D) or blanks
- 2) Applicant Temporary Address Country code:
 - Positions: 1409-1410
 - Possible values: valid FIPS country code (see Appendix D) or blanks
- 3) Applicant Parent/Guardian Address Country code:
 - Positions: 1411-1412
 - Possible values: valid FIPS country code (see Appendix D) or blanks

New High School Scale data element:

For 2010, a new High School Scale data element will be added in positions 1391 to 1396. This data element will have the same format as the Expanded High School average data element (positions 1378-1383). Starting with the 2010 application (and online via Counselor Connect), HS counselors will be able to supply both the applicant's average and the scale (for example: 3.6 average on a 4.0 scale; 85.6 average on a 100.0 point scale).

Response:

RF# 5498 SOAYDTI XML Display is confusing after RF#5484

Problem:

Reported Severity: Low

The new version of SOAYDTI that displays XML only when you navigate to the block is quite confusing.

This was done to eliminate the potential for filling archive logs with useless inserts into the GOTYXML table which occurred under some specific use patterns of the form. Now the form is confusing to use-- another solution is needed.

Response:

The GORYDTI form (which implements SOAYDTI functionality) was altered to display the first 4000 characters of XML in the "Web Service Request" and "Web Service Response" tabs at the bottom of the "Processing Errors" tab--in effect returning the form to its original display.

These two tabs were then altered to contain an "Extract" button and text to explain how to use the buttons. When the button is pressed on either of these tabs, the tab is altered to contain the complete extractable XML (using the display logic from the newer form and the GOTYXML table). Click on the Help menu at the top of the form and choose "Extract Data No Key" to create an Excel CSV extract of this XML.

This extractable view of the tab will go away if you navigate away from the XML being displayed. This allows the form to display the first 4000 characters of XML freely whenever XML is available in a way that does not confuse users (this is the advantage of the original display technique). It also supports displaying the lines of the FULL XML and provides for easy extraction of that XML (the advantage of the newer display technique).

Since the new display disappears on ANY navigation and only reappears on an explicit request (the pressing of a button), there is no way to accidentally insert the entire body of XML lines into the Archive Logs--this was the original bug addressed in RF#5484.

The patch replaces RF#5484.

RF# 5508 TSDS Web Service Faults and Generation Errors, Meeting ID and Grade/Hour Selects and Section Fee issues

Problem:

Reported Severity: Medium

TSDS is not storing the Request XML when System Admin returns non-XML responses as the other interfaces do.

TSDS is also failing to generate XML when special accent characters appear within data fields and when large numbers of students are registered in the section.

TSDS and SDS do not use identical logic for screening students and therefore TSDS can send students in sections that where NOT sent in SDS. TSDS must use the same logic as SDS for the selection of students.

TSDS is not selecting grades and credit hours earned correctly under all conditions.

Section Fees (Sect Fee) is selecting the MAX fee not the SUM of the fees.

Lastly TSDS is creating bad Local Meeting IDs when PSI elements are not in use.

Response:

The TSDS call into the Web Service Read package (GOKYWSRD) was missing the initial insert call into the XML table. For this reason the XML request and response were being inserted at the same time and a failure to insert the Response (Fault Messages fail) would prevent the Request from being inserted as well. The insert is now done before calling the web service as it is done in SDS.

Special Accented characters are not supported in the XML we are sending.

The Grade Select (Stu Grade) was corrected (and simplified) using grade selection cursor logic provided by Sungard HE as our model. The Credits Earned (Stu Earned) select was adjusted to use the same criteria as the new Grade select code uses. To keep the logic the same for all related fields the Attempted Hours (Stu Attempt) element was updated to select the attempted hours using the same table and logic.

Section Fee (Sect Fee element) is now selecting the sum of all fee records for the section.

The Meeting ID element was changed so that the ID is built from the local Building and Room values instead of the PSI values. These values always exist whereas the PSI values can be made inactive by Community Colleges.

BANNER 8 ONLY - This patch contains the modifications to SFKYCVI1.SQL required for resolution of RF#5524--Student detail not being sent for non-credit courses which are not CE or EOC. That patch is only released under Banner 7.

RF# 5524 student detail not being sent for non-credit courses

Problem:

The select code in TSDS that determines whether to send only enrollment counts or student details is not correct. According to the data dictionary, enrollment counts should only be sent if the level is Continuing Education or EOC. The SIRIS TSDS code is not looking at level it is looking at whether the course is credit or non-credit. This is not correct. Student detail should be sent for non-credit courses unless they are Continuing Ed or EOC.

Response:

Logic was changed so that the Credit Course flag is ignored and the Course Level code is checked. Any course with a course level other than 5 (Continuing Education) or 6 (EOC) will send detailed student information now.

RF# 5530 SIRIS - SDS Prog ID 2 element retrieving 2nd major not 2nd degree and other errors

Problem:

The way the select was written, it will pull the APES code for the student's 2nd major if it exists rather than the 2nd degree curriculum.

Response:

For the SDS interface, modified select for Prog ID 2 element to use the sgvccur view (curriculum) and sovfos view (field of study) to retrieve the APES code related to the 2nd curriculum and primary major within that curriculum (2nd degree).

Some campuses have Banner curriculum defined in a such a way that the curriculum information is not necessarily a separate degree on SOACURR. This could lead to the 2nd curriculum defined in Banner as actually being a 2nd major within the same degree. To account for this, the code for Prog ID 2 will not send an APES code if it is the same as the APES code for Prog ID 1 (primary curriculum/major).

This patch also contains a patched SFKYCVT1.SQL. An error in the old code caused the SELECT code to be rewritten incorrectly causing processing errors. This error occurred when a campus had a local mod for an element and the processing method was "Force to Null." This RF allows the code to properly handle WHERE.

The Debug Message for the Post Clone ID delete logic was also corrected. It had contained the message for the Batch Initialization debug message.

RF# 5538 Required tag not replaced (SSRYTSD)

Problem:

When I run SSRYTSD, the message "SICAS XML Generation Failed" appears for every section. In SOAYDTI, the message "ORA-20912: Required tag not replaced!" appears in Additional Data.

After these messages, an equal number of the message "XML Creation Failed" appears. It's associated with the message "ORA-30625: method dispatch on NULL SELF argument is disallowed".

The only significant change that I can remember is that I applied the fix 5524.

I have not had any trouble running SGRYSDS.

Response:

The correction made to SIRIS packages for RF#5524 to fix a problem related to when users set the processing method on SOAYDTI as INACTIVE, created a tag replacement issue for Required elements. The INACTIVE state will now replace tags with NULL without placing NULL in the local table. This allows the local mods to elements to remain in place but not be sent to System Admin. This solution will eliminate the missing tags replacements and the associated errors.