

# Integrow Version 2004.1

## Release Notes

### Web Services

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#### Credit and Collections

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**Change Request#:** 17015    **Add logging to Credit Card Transactions**

**Affected Process:**  
Credit card payment FCCSC module

**User Sponsor:**  
FCCSC – Tracy Fascianna

**Short Description of the Problem:**  
Provide additional debugging information to help diagnose errors in credit card transactions.

**Short Description of the Resolution:**  
Wrote a method to access the DEBUG property in creditcard.properties. Setting this to “true” will enable debugging data to be sent to STDERR (default-err.log in JRUN)

---

**Change Request#:** 17199    **Deliver an improved deployment of web class roster**

**Affected Process:**  
Web Creditcard

**User Sponsor:**  
Lynda Hudson

**Short Description of the Problem:**  
when the return code from broker is "0000" and the student is redirected to the Receipt Page that the servlet (IAC060N1s) is still active and continues to iterate through the loop for the "numberAttempts" and does 2 sends. There is only one receipt in the WEB mainframe session but there are 2 receipts on web authorize .

**Short Description of the Resolution:**  
Added “return” statement after every sendRedirect to ensure that no additional code will be executed after a sendredirect. Modified AuthVoid.java to use standard utilities.Propertyfile class to acquire property value, it had used direct calls to bundle resources.

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**Degree Audit**

**Change Request#: 17243 Do not print blank pages on Degree Audit**

**Affected Process:**  
Web Degree Audit

**User Sponsor:**  
BCC-Debbie Sloan

**Short Description of the Problem:**  
Suppress unnecessary blank pages in printing of Degree Audit on the web.

**Short Description of the Resolution:**  
Check for the first totally blank line in the Degree Audit, this indicates the end of the report. Stop printing after that point.

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#### Employee

**Change Request#:** 16621    **Disable Employee Web Screens if Payroll is running**

**Affected Process:**  
Employee Web Pages

**User Sponsor:**  
PBCC – Tracy Fasciana

**Short Description of the Problem:**

Add logic to prevent web access when payroll is running and files are locked. PBCC will provide a utility program to read the security system switch for PE; if it is 'N' for no access, we do not display the employee web pages. Instead we will display a message telling them that the system is not available. This should stop the natural errors that occur when the files are accessed during the file-lock process in a payroll run. Operations will have to set the security system switch to N when the payroll files are locked in order for this functionality to work.

**Short Description of the Resolution:**

Created a new Broker Command to call to determine if the Employee Web Pages are available. If the PEY303B1 job is running or the Security System indicates that no access is available to Personnel, the employee Web Pages will not be displayed

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### Web Services

#### FACTS

**Change Request#:** 16535    **FACTS Admissions getting a 99999 error**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
BCC – Jennifer Day

**Short Description of the Problem:**

BCC has found an example of a FACTS Admission xml conversation that does not complete successfully. They have provided the FCCSC with this example. The student does not get stored on the mainframe, and a return code of 99999 gets passed back to the student on the web browser. This happened once back in January and has happened twice for BCC in production.

**Short Description of the Resolution:**

Modified IAS200P1 to ensure we read the xml record for the correct conversation.

**Change Request#:** 16582    **FACTS In-State residency being assigned incorrectly**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
BCC – Jennifer Day

**Short Description of the Problem:**

FACTS applications are being added as instate although student did not claim to be instate. I think there was a misunderstanding in the way log 16175 was supposed to work. I looked at IAS200N4 and it considers students as instate if the student's residency state code (STA010A.RES-ST-CD) is FL. This is set in IAS200N7, using the state from #ADDR-TY 'F' (local address?) or using the state from 'H' #ADDR-TY (and if the student is claiming instate residency). The student should be instate only if they are claiming instate residency (and probably also if STA010A.RES-ST-CD is FL).

I believe STA060N1 and IAS200N4 are the programs which must be changed to correct this problem.

**Short Description of the Resolution:**

Modified IAS200N4 and STA060N1 to ensure that the student is claiming in-state residency before granting it.

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**Change Request#: 16595    FACTS should ignore local school transcript request**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
BCC – Karen Murphy

**Short Description of the Problem:**

If a student indicates the school he is attending (or has attended) as a post secondary school institution on his FACTS application, the local transcript is being loaded to the transcript log file. IAS200N3 should be changed to ignore updating the transcript log file if institution is local. Please correct this to enforce the STA046P1 edits that reject the local FICE code.

**Short Description of the Resolution:**

Modified IAS200N3 to not add a transcript request record for the local institution.

---

**Change Request#: 16663    FACTS fields convert to upper case**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
PBCC – Annaleah Morrow

**Short Description of the Problem:**

The Alien Number is populated in one of two ways (in the Baseline system). The ST-STDNT record is automatically updated by FACTS Admissions in IAS200N7 (parsed out from the xml). This has caused some lower case characters to come into the alien number and also some garbage into the alien date field. Please fix to only add upper case to the file and if there is no valid date, do not add the date.

**Short Description of the Resolution:**

Modified IAS200N7 to convert the newest fields that have been added to the file, to upper case.

---

**Change Request#: 16824    Convert fields to upper case in FACTS Admissions**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
IRCC – Dale Hayes

**Short Description of the Problem:**

It appears that when a student submits a FACTS application and includes a previous name, the previous name is brought over in lower case letters. Val Pokhil has checked and doesn't see a conversion to upper case for the prior names fields (Last, First and Middle).

**Short Description of the Resolution:**

Modified IAS200N7 and IAS200N8 to convert the student's prior names to upper case.

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**Change Request#:** 16825 Do not send blank email from FACTS Admissions

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
FCCSC – Ian Peterson

**Short Description of the Problem:**

When a FACTS Admissions is processed successfully, and the student has been added to the system, the FACTS Admissions system is creating some XML for a blank email:

```
<EMAIL><TO/><FROM/><CC/><SUBJECT/><BODY/></EMAIL>
```

The new message manager tries to send this blank email and causes an error to be logged on the message manager. This XML should not be created in this case.

**Short Description of the Resolution:**

Modified IAS200N4 to remove the blank email XML tags when a FACTS Admission record is processed successfully.

---

**Change Request#:** 16845 TCC Specific FACTS Admissions changes

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
TCC – Kay Kenyon

**Short Description of the Problem:**

Have encountered several problems with the FACTS admissions.

IAS200N4 - Need to populate local address with perm address if local address not entered. Add the following at line 2550.

```
IF #LOCAL-STREET1 = '' AND #PERM-STREET1 NE ''  
#LOCAL-STREET1 := #PERM-STREET1  
#LOCAL-STREET2 := #PERM-STREET2  
#LOCAL-CITY := #PERM-CITY  
#LOCAL-STATE := #PERM-STATE  
#LOCAL-ZIP := #PERM-ZIP  
#LOCAL-COUNTRY := #PERM-COUNTRY  
END-IF
```

IAS200N7 - Test for discipline and violation needs to be changed. Change the IF test to the following at lines 5690 and 5710.

```
IF #XML-ATTRIBUTE-NAME = 'YN' AND #XML-DATA-VALUE (1) = 'Y'
```

>> This is caused by the way TCC have their FACTS Admissions page set up. No other schools would have this problem. Priority has been changed accordingly.

**Short Description of the Resolution:**

Modified IAS200N4 to copy the permanent address to the local address when the student did not enter a local address.

Modified IAS200N7 to only retrieve the disciplinary or conduct text when the student indicates 'Y' to these fields.

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**Change Request#:** 16902    **Incorrect Name Appendage on FACTS Admissions**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
OWCC – Charlotte Williams

**Short Description of the Problem:**

Since v7.1 was implemented we began to notice a high number of students with the appendage of II. When they started to appear on our female students, a red flag went up. In doing the research, I cloned the logic in IAS200N7. The logic as it stands results back with a crosswalk value of II when STA010A.Append = spaces.

**Short Description of the Resolution:**

Modified IAS200N7 and STA060N1 to only read the APPEND table when a name appendage is passed to these programs.

---

**Change Request#:** 16945    **Add comments for FACTS uncoded HS and College**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
PBCC – Tracy Fasciana

**Short Description of the Problem:**

Facts appl comments should say "added by Facts", and all holds added by FACTS merge screen should have comments saying " added by Facts." Kelly agreed that comments would be sufficient since we cannot control the user ID on the maint stamp.

**Short Description of the Resolution:**

Modified IAS200N4 to add the requested comment when an uncoded high school or college comment is added for the student.

---

**Change Request#:** 16948    **Convert name appendage to upper case in FACTS Admiss.**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
TCC – Mike Robeck

**Short Description of the Problem:**

Please add code to this program to translate the Name Appendage "APPEND" to upper case before checking against the table. We are receiving appendages like "Jr." or "jr" which are not matching against the code table.

**Short Description of the Resolution:**

Modified IAS200N7 and IAS200N8 to convert the name appendage field to upper case.

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**Change Request#: 16949 Set FACTS text to Bold and Red when processed by hand**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
TCC – Mike Robeck

**Short Description of the Problem:**

FACTS just informed us that if we are going to pass a message back that the application will be processed by hand, then that portion of the message needs to be in "BOLD" and in "RED".

**Short Description of the Resolution:**

Modified IAS200N4 to set the specified text to be Bold and Red.

---

**Change Request#: 16977 Use hex values for square brackets in FACTS**

**Affected Process:**  
FACTS Admissions  
FACTS 2+2 Advising

**User Sponsor:**  
PBCC – Jeff Wise

**Short Description of the Problem:**

I have a question/suggestion for the IAS200N4 program. When we use Entire Connection to retrieve the program from MDC's computer we have trouble with the conversion of some of the special characters that are being used in the XML. One example is the square brackets "[" and "]". I do not know if any of the other schools have any problems with the special characters but what do you think about defining them using a variable with a hex coded INIT string?

Then down in the code that variable can be compressed with the rest of the data. I think some solution should be done since in the long run we (FCCSC) be doing/using XML more and more. I think that it is translated properly when it is put in a dataset and we ftp it. Hum...I wonder how it will be translated in the Unix environment. Let me know if I can help in figuring out the hex codes or anything else.

**Short Description of the Resolution:**

Created IAS200L1 to contain some special characters. The fields in this LDA are initialized to their hex values. Modified IAS200N1, IAS200N4, IAS200N6, IAS200P1, IAS210N1, IAS210N2 and IAS210N3 to use the special characters in this LDA.

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**Change Request#: 16983 Allow CEEB code of XXXXXX in FACTS Admiss.**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
PBCC – Tracy Fasciana

**Short Description of the Problem:**

FACTS applications with unknown high school now send XXXXXX in the CEEB code field. IAS200N7 needs to treat XXXXXX as a blank CEEB code so that a comment is written with the high school information during the admission process. Blank is also a valid value for an unknown high school because it is still possible to send blanks in some cases (if you wipe out a valid CEEB code and then proceed).

Ensure that the FACTS Log File process is also updated when pressing PF5 or PF4 when the high school or college is XXXXXX. Treat it the same as if it was blank, but a college name was entered.

**Short Description of the Resolution:**

Modified IAS200N7, IAS200N8 and STA060N1 to assume that a high school CEEB code of XXXXXX is the same as blank.

---

**Change Request#: 17004 Set residency code correct in FACTS Admission**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
TCC – Mike Robeck

**Short Description of the Problem:**

Program is setting students with a residency state code of "blank" to "4". It should only be setting those students with a "blank" residency state code and visa information entered to "4" else it should set it to "3".

**Short Description of the Resolution:**

Modified IAS200N7 and STA060N1 as specified.

Also changed STA010N6 to not enforce that the basis of admission code have 'R' as the second char when a readmit term is entered. This is only enforced for a credit application.

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**Change Request#: 17048 Allow FICE Code of XXXXXX on FACTS Admissions**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
PBCC – Annaleah Morrow

**Short Description of the Problem:**

Please update the FACTS application process to recognize an institution ID of XXXXXX for post-secondary institutions that are unknown. PBCC's FACTS web pages force a value of XXXXXX for any post-secondary institution that is unknown, but the mainframe programs are not creating the comment and the ZZ\* transcript request for these unknown colleges. Please treat the XXXXXX as a blank institution ID, and read the uncoded post secondary table to find the ZZ\* value that we have assigned to put in the transcript request log. Also, create a comment with the name and address information.

**Short Description of the Resolution:**

Modified IAS200N7 and IAS200N8 to treat a FICE Code of "XXXXXX" the same as blank. This means we assign a dummy institution-id to it.

---

**Change Request#: 17160 Correctly format residency date on FACTS Admissions**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
TCC – Mike Robeck

**Short Description of the Problem:**

The FACTS applications process is populating bad data into the ALIEN-DATE field on the ST-STNDT file. If the date is not entered by the student then "00" is being placed into the ALIEN-DATE field. The XML data passed to us from FACTS is:

```
<RES_ALIEN Nbr="" YR="" MON="" DAY="00" />
```

Need to change programs IAS200N7 and IAS200N8 to check for "00" and change to " ".

**Short Description of the Resolution:**

Modified IAS200N7 and IAS200N8 to correctly format the residency date.

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**Change Request#: 17181 Allow for 4 Former Names on FACTS application**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
IRCC – Val Pokhil

**Short Description of the Problem:**

Standard FACTS application for admissions provides room for 4 former names (see Sample Admissions Application XML screen at <http://admin.facts.org/adap/fields/admissxml.html>) IAS200N8 can only process applications with 2 former names and will return a NATURAL error when trying to process an application with 4 former names: NAT1316 Index not within array structure on line 2760.  
Please, change STA060A0 to allow for 4 former names.

**Short Description of the Resolution:**

Modified the ST-FACTS-APPL-V1 file to allow for 4 Former Names to be stored.  
This now matches the standard FACTS application.

---

**Change Request#: 17247 Correct the format of the ADD-TIME on XML file**

**Affected Process:**  
FACTS Admissions

**User Sponsor:**  
FCCSC – Sophia Cowan

**Short Description of the Problem:**

Please correct the format of the Add-Time field in the IA-JAVA-XML file

**Short Description of the Resolution:**

Changed the assigning of the ADD-DATE field to include leading zeros.  
This will allow the browses of the XML messages to be displayed by Date and Time

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#### Faculty

**Change Request#:** 16495 **Deliver improved deployment of webservices class roster**

**Affected Process:**

Class Roster – Webservices module

**User Sponsor:**

FCCSC – Sanford Langbart

**Short Description of the Problem:**

Deliver a version of the webservices roster module which does not require a user recompile to insert the ETB:port. Modify the web.xml and xml-init.xml files to allow this module to work with all 4.x versions of Tomcat and JRun versions 3.1.

**Short Description of the Resolution:**

Altered the path structure to the web.xml file, rebuilt the FccscwebXmlAdapter.java file via Entirex to build a class file which reads xml-init.xml to get its broker parameters., Modified web.xml file to support these changes by using an absolute path reference. This has been tested with Tomcat 4.x and JRun 3.1 series of JavaServers.

**Change Request#:** 16526 **Enhance “View Class Roster” on the web**

**Affected Process:**

Web – View Class Roster

**User Sponsor:**

FCCSC – Mike Bussell

**Short Description of the Problem:**

As part of the project to address web based grading, the Task Force recommended a number of enhancements to the current class roster viewing screens. These have been documented at the FCCSC office, but a summary follows:

IAS300

1. Add a column for 'early grading option classes'.
2. Add a column for 'campus'.
3. Remove 'Paid' column.
4. Rename 'Building' to 'Bldg' column.
5. Rename 'Enrolled' to 'Enrld' column.

IAS301

6. Ensure the class information on the top half of the screen conforms precisely with what is displayed on the IAS300 screen for that class.
7. Pass the instructor-id from the web to validate that the class ref-num being passed belongs to the instructor being passed. Sandy can then remove the security patch that temporarily fixed this in the java code.
8. Pass back and allow the showing of all (up to 25) class schedule lines on the web screen.
9. Add an indicator to show that there are more (than 100) students to be passed back on the class roster. Another mainframe call will be required to pick up the next 100 students.
10. Pass and display instructor deadline and student deadline dates on the screen. These include instructor withdraw date, grading window date range, student refund date, and student withdrawal date.
11. We need a different stylesheet for 'W' session classes, as the student deadline dates for these classes may be different from student to student. So these dates must be listed beside each student.
12. Display an indicator to show if the class has already been rolled to academic history. TABLE CHANGE

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13. Update the SPCLDSGNTR table to show if a special listed beside each student.
12. Display an indicator to show if the class has already been rolled to academic history. TABLE CHANGE
13. Update the SPCLDSGNTR table to show if a special designator shows a self-paced or open-entry class. Then any class that has a special designator saying this will display on the web as such.

#### **Short Description of the Resolution:**

**IAS300\*** - Re-Stow due to PDA (IAS300A1) change. Retrieve / pass Session Type. Check Special designator for the Class to determine if Early Grading will be allowed. Pass Early Grading Ind. Check Date code 09 & 12 to determine when the Grading Window is open. Pass Grading Window Open Ind.

**IAS301\*** - PL 16526: Re-Stow due to PDA (IAS301A1) change. Check that the input instructor is the primary instructor for the class. Check Special designator for the Class to determine if Early Grading will be allowed. Check ST-STDNT-CLS to determine if grades have been rolled to AH. Determine deadline dates (date-code 01, 02, 09 & 12). Load Schedule info from ST-CLASS-SCHD. Pass 100 entries back at any given time. Use Next-Student-Name & More-Students-Avail to determine which records were already passed and which once to pass next.

**IAS302\*** - Return the list of terms that the instructor has classes for. We only return the terms from the previous term forwards.

---

**Change Request#: 16667 Add Web Grading Functionality for Instructors**

#### **Affected Process:**

Web – View Class Roster

#### **User Sponsor:**

FCCSC – Mike Bussell

#### **Short Description of the Problem:**

Phase 3 of the Web Grading project. We need to enhance the web class roster process, to allow for input of student grades over the web by class instructors. The specifications are contained in a document at FCCSC and were also released to the Web Grading Task Force.

#### **Short Description of the Resolution:**

**IAS303\*** - Return a list of paid students in a specific class with valid grades that apply to each student.

**IAS304\*** - Update Grades posted by the Instructor on the ST-STDNT-CLS file.

**IAS305\*** - If all students for this class were graded set the GRADES-ROLLED-AH Ind on the ST-CLASS-V1. Batch job STS914\* will then pick up all classes with this Ind set and roll them to Academic History.

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**Change Request#: 16677** Deliver an improved deployment of web class roster

**Affected Process:**  
Web Registration

**User Sponsor:**  
PBCC – Tracy Fasciana

**Short Description of the Problem:**

XSL Style Sheet email function requires a “;” (semicolon) to work correctly with MS outlook.

**Short Description of the Resolution:**

Changed the comma to semicolon.

---

**Change Request#: 17068** Web Grading Additional functionality

**Affected Process:**  
Registration

**User Sponsor:**  
PBCC - Tracy Fasciana

**Short Description of the Problem:**

Instructor Web Grading Recommended Changes:

**Faculty Menu:**

- Only have one option and name it: Class Rosters and Grading. This link will navigate to Instructor Class List once a term is selected.

**Instructor Class List:**

- ias300n1.jsp should have title: Instructor Class List
- Remove Early Grade column. Early grade option should be shown by link of Early under the grade column when this functionality is programmed later.
- Only display links in Grade column: Early, Open, or Final. Final will be name for current Pending status. Early grading will be programmed later.
- Once grades are rolled to AH, user cannot enter grading page, only class roster page (which displays the grades).

**Class Roster:**

- If the class can currently be graded, display a button called Grade Class. Put this button in between the list of students and the heading information. This button will take the user to the Grade Class page for this reference number.

**Grade Class:**

- Display the same heading information (dates) as Class Roster on Grade Class page.
- Change wording on Submit Grades button to Save Grades and move button to bottom right side of page.
- When Save Grades is pressed, and the class is not completely graded, display message: Your grades for class xxxxxx have been saved. Remove the line that says, "Please choose an action." Change the wording on the two options to: Return to grading for class xxxxxx or Return to your class list.

**Short Description of the Resolution:**

Enforce time deadline for Grades Due, date code 09. Retrieve grade from AH when grade rolled. Determine and pass Grade Status. Pass deadline dates/Instructor Name/ Campus Name.

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### Web Services

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**Change Request#:** 17135    **Correct campus name on Web Grading**

**Affected Process:**  
Web Grading

**User Sponsor:**  
PBCC - Tracy Fasciana

**Short Description of the Problem:**

The Class Roster is displaying the name of the campus center now, but the mainframe program is reading the wrong Facility file. It is reading FAC192-SITE for the campus value, but the state numbers, which are different from our campus numbers, keys this file. I think the program should be reading FAC199-LOCATION by the campus and center values to find the name to display.

**Short Description of the Resolution:**

Changed IAS300N1, IAS301N1 and IAS303N1 to call ITC110N1 to retrieve the campus center name.

---

**Change Request#:** 17137    **Remove bad email address hold when email updated**

**Affected Process:**  
Student Records

**User Sponsor:**  
PBCC – Kelly Beasley

**Short Description of the Problem:**

PBCC registrars would like the system to automatically remove a bad email address hold when a student updates his email address on the web.

**Short Description of the Resolution:**

Modified IAS022N0 to remove the "AW" (bad email address) hold when a student updates their email address via the web.

# Integrow Version 2004.1

## Release Notes

### Web Services

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**Change Request#:** 17255 Web Grading – PBCC Critical issues

**Affected Process:**  
Web Grading

**User Sponsor:**  
PBCC – Annaleah Morrow

**Short Description of the Problem:**

After Beta testing the Web Grading functionality, PBCC have compiled a list of critical issues they want resolved before releasing the product to the facility for use in production.

1. On the Instructor Class List, display these links in the Grade column, depending on the status: Early, Open and Final. Final will be displayed when the instructor has marked grades as final but the grades have not yet rolled to AH. Early will be programmed later. Open will be displayed when at least one paid student does not have a grade yet and the grading window is open. The logic for checking the open window should check date code 12 including the time so we can open the window at a certain time. It should also check date code 09 including the time so we can close the window at a certain time (this logic is currently working). Please discontinue the user of COMPL as a grading status link.
2. On the Instructor Class List, once grades are rolled to AH, user should not be able to display the grade roster page, only the class roster page(which displays the grades).
3. On the Class Roster page, once grades are rolled to AH, user should not be able to display the grade roster page, (the Grade Class button should not appear).
4. On the Grade Class page, add the expected date format of "MM/DD/YYYY" to the column heading for Last Day Attended. The instructors were very unhappy to find out that they entered several dates incorrectly.
5. On the ST151FX1 fix program, do not mark classes without any students in ST-STDNT-CLS and AH as being rolled because it could be that this class has not started yet, or has not been updated with enrolled students (non-credit classes are often updated after the class has met).

**Short Description of the Resolution:**

Modified IAS300N1 to consider the time as well as the date when determining when the grading window is open. Also changed to show "Posted" instead of "Completed" when grades for a class have been rolled to AH.

# Integrow Version 2004.1

## Release Notes

### Web Services

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**Change Request#: 17332 Backport TCC Advising System**

**Affected Process:**  
Student Advising

**User Sponsor:**  
FCCSC – Mike Bussell

**Short Description of the Problem:**  
Backport Student Advising system from TCC.

**Short Description of the Resolution:**

Modified the ST-STDNT-ADV-HIST and ST-ADVISORS-V1 files and created the ST-STDNT-ADV-HIST-LOG file, ST-TEMP-ADV file and a number of SQL files. Had to unload and load the ST-STDNT-ADV-HIST file surrounding the file change.

Created a number of new modules and modified existing modules due to the above file changes and associated data area changes.

A number of new generic tables have also been added, as well as new batch job definitions.

The web logon id must exist on the security user file (and have access to module STV200P1) to have access to the advising system via the web.

The advisor id can be any id as we use the Person Id associated with it to navigate and link through various processes.

A number of sample PDF files were backported from TCC. These are specific to TCC and must be recreated for each college.

These sample files were placed in the student/advising/advisingtips and /WEB-INF/documents/data/advising directories.

# Integrow Version 2004.1

## Release Notes

### Web Services

#### Miscellaneous

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**Change Request#:** 16289    **Backport the SQL Properties system from TCC**

**Affected Process:**  
All Web Properties

**User Sponsor:**  
FCCSC-Sophia Cowan

**Short Description of the Problem:**

Allow remote access to property files; provide the ability to reload properties dynamically without having to restart the Java Server. Provide a level of security against the property resources.

**Short Description of the Resolution:**

Backport TCC SQL based web properties.

---

**Change Request#:** 16909    **Limit maximum occurrences of field ADIT-DATA to 5**

**Affected Process:**  
Web interfaces

**User Sponsor:**  
FCCSC – Sophia Cowan

**Short Description of the Problem:**

Please change the number of occurrences allowed for AUDIT-DATA from 191 to 5 in the IA-AUDIT-VIEW . Please check that all programs that use this are re-generated in Construct to only use 5 occurrences

**Short Description of the Resolution:**

Modify field to restrict occurrences to a maximum of 5. Regenerate IAU092N5 to accept these restrictions.

---

**Change Request#:** 17200    **Allow mainframe applications to send e-mails**

**Affected Process:**  
None

**User Sponsor:**  
FCCSC – Ian Peterson

**Short Description of the Problem:**

We need a standard way of allowing the mainframe application to generate and send e-mails

**Short Description of the Resolution:**

Created a mainframe file that will contain all e-mails to be sent from mainframe applications. A Web service was created that will poll the mainframe at set intervals (30 minutes) and retrieve the e-mails to be send via Java Mail.

E-Mail messages will be written to the IA-EMAIL-HDR-VIEW and IA-EMAIL-MSG-VIEW files. If the colleges have an e-mail utility available from the mainframe that can send e-mails, they have the option of reading this file (as in IAU070N1) and using the mainframe e-mail utility to send the e-mails.

# **Integrow Version 2004.1**

## **Release Notes**

### **Web Services**

The e-mail messages can be maintained via UTL620P1 (direct command UT EM). However, the e-mail messages will be added via the different applications and the e-mail editor should only be used to view messages.

This utility allows for a requested send date and time to be entered. The message will not be send prior to this date and time.

The utility allows for 10 to-recipients, 10 cc-recipients and 191 bcc-recipients to be entered. If the message is to be send to multiple external recipients, we would suggest using the Blind Carbon Copy feature to not distribute private e-mail addresses.

# Integrow Version 2004.1

## Release Notes

### Web Services

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**Change Request#: 17234** Deliver an improved Logging system

**Affected Process:**  
Web utilities

**User Sponsor:**  
FCCSC-Sanford Langbart

**Short Description of the Problem:**  
Deliver improved logging system.

**Short Description of the Resolution:**  
Delivering new logging system "LOG4J", an Apache project open source project. <http://jakarta.apache.org/log4j/docs/index>. Log4J adds significant new capabilities and advantages to our logging functions.

---

**Change Request#: 17311** Show name appendage on web screens

**Affected Process:**  
All Web Screens

**User Sponsor:**  
BCC – Karen Murphy

**Short Description of the Problem:**  
Name on Web - A student reported that the appendage, Jr., in his name is not reflecting when he logs in to access his records on the web. The appendage is present on the Student side of CID, but Credit and Collections and Financier does not reflect the appendage.

**Short Description of the Resolution:**  
Modified IAU090N1 to compress the name appendage into the last name of the student, so the entire name will appear on the web pages.

---

**Change Request#: 17436** Add improved logging functionality

**Affected Process:**  
Logging process of Web application

**User Sponsor:**  
FCCSC – Sanford Langbart

**Short Description of the Problem:**  
Replace older logging routines with Log4j, adding to other existing log4j logged pages.

**Short Description of the Resolution:**  
Logging was added for send and receive buffers in java beans – Levels were set to DEBUG. ERROR level class logging was added to the servlets.

# Integrow Version 2004.1

## Release Notes

### Web Services

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**Change Request#: 17469** Allow testing of commands if more than 100 commands

**Affected Process:**  
Test Commands On-Line – IAS998P0

**User Sponsor:**  
FCCSC – Sophia Cowan

**Short Description of the Problem:**

Allow the TEST function to be done with more than 100 commands loaded into the IA-CONTROL-COMMANDS file.

**Short Description of the Resolution:**

Added code to allow testing of a command that does not appear in the first 100 commands on the file.

# Integrow Version 2004.1

## Release Notes

### Web Services

#### Prospects

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**Change Request#:** 17098    **Deliver an improved deployment of web class roster**

**Affected Process:**  
Web Prospects

**User Sponsor:**  
MDCC-Thor Eyrich

**Short Description of the Problem:**  
Information requests (creating a prospect account) fails silently.

**Short Description of the Resolution:**  
Corrected the Send Length for the STDPS command.  
Modified various programs to remove need for a security session check. Created separate logon menu to narrow the available to only prospect related.

---

**Change Request#:** 17484    **Adapt Prospects to use of the new web security modules**

**Affected Process:**  
Prospects

**User Sponsor:**  
PBCC-Paula Souza

**Short Description of the Problem:**  
After entering user info to create a "Prospect" record, the user would be presented with a blank screen rather than Prospect information.

**Short Description of the Resolution:**  
Modified program to make use of new security modules. Prospect users can now create a new prospect account, and logon to the system in a fashion similar to a regular student user.

# Integrow Version 2004.1

## Release Notes

### Web Services

#### Registration

**Change Request#:** 16672    **Web Registration for unavailable class - give correct error**

**Affected Process:**  
Web Registration

**User Sponsor:**  
BCC – Jennifer Day

**Short Description of the Problem:**

Getting error 9999 when try to register for an unavailable class (\*Cls Stat.: = 'U') on the WEB. No description appears for the error (9999 is a generic error code).

I did a view source and I scanned natural programs for the error message within view source (Schedule.getRetMsg() = 'This class is not available at this time') and I found the message originates from IAS003N0.

Please display a valid error message to the student instead of the generic 9999 message.

**Short Description of the Resolution:**

Modified IAS003N0 to give error 1139 when student is trying to enroll in an unavailable class.

**Change Request#:** 16853    **Clarify error/warning registration messages in Add/Drop**

**Affected Process:**  
Web Registration

**User Sponsor:**  
BCC-Jennifer Day

**Short Description of the Problem:**

Warning messages should appear separately and in different color from hard stop errors.

**Short Description of the Resolution:**

Introduced new method, "getStatus(String code) " to dynamically set the style (color) for types of messages; warning, error, ok. This will display the result code message in user definable colors. One for warning, error, and ok. The default will be set to dark orange for warning, red for error, black for successful. Also isolate the message area within an outlined table like box. These styles are defined in the standard stylesheet. "fccsc-style.css" . The new styles are named: warning, ok, error.

Modified IAS010N4 to reset the warnings from the returned error list when we are only supposed to show the errors. Previously, those warnings that appeared at the end of the list of errors were still shown on the web.

# Integrow Version 2004.1

## Release Notes

### Web Services

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**Change Request#:** 16927    **Correct the Get Holds routine on the web registration**

**Affected Process:**  
Web Registration

**User Sponsor:**  
PBCC – Tracy Fasciana

**Short Description of the Problem:**

Web command GHOLD calls program IAS020N0, which determines if the student has any holds that will stop registration. If a student has a FI hold, this module will prevent the student from accessing registration even if the HOLDS table is set up to only restrict certain actions in registration. This module needs to allow a student to access registration if some actions are allowed. For example, we only stop action A for a FI hold; we still want the student to be able to drop and withdraw.

Another problem in IAS020N0 is that it ignores the hold if the student has an override for that hold even if the override is for a different term. The program should only use the override if the term on the override matches the term selected for registration.

**Short Description of the Resolution:**

Modified IAS020N0 to allow the student to continue if they have a hold that only stops some registration actions. Also modified to check for overrides in the given term, not any term.

---

**Change Request#:** 17176    **Which terms are available for web registration**

**Affected Process:**  
Web Registration

**User Sponsor:**  
PBCC – Annaleah Morrow

**Short Description of the Problem:**

This program controls the entry to web registration for each student; however, it is currently allowing students who have term records but blank appointment dates to register for classes once date code 03 or 04 is equal to today or in the past. The program is missing logic to compare date codes 03, 04, and 23 to the student's term record and set the flags correctly. Students should not be allowed to register on the web with blank appointment dates until date code 23 (open registration) is equal to today or in the past.

**Short Description of the Resolution:**

Modified IAS019N0 to ensure that the open registration date has passed before allowing students with a blank appointment date to register.

If Web Registration is not available, then give error message saying so. This availability is done for a system of 'RG' within the security system settings.

# Integrow Version 2004.1

## Release Notes

### Web Services

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**Change Request#:** 17321 Holds not being enforced on Drop via Web

**Affected Process:**  
Web Registration

**User Sponsor:**  
PBCC – Annaleah Morrow

**Short Description of the Problem:**

I modified ZQ hold so that credit registration was stopped including actions 'D', 'A', and 'W' in acceptance at MDC. I registered a student for credit classes and then added a ZQ hold. When I went to the web registration test system at FCCSC I was able to drop the classes. I believe this is a bug.

**Short Description of the Resolution:**

Modified STR100NE to not change the no-edits flag when running from batch (or thru Broker). We assume that the #no-edits flag is set correctly by these calling programs.

# Integrow Version 2004.1

## Release Notes

### Web Services

#### Security

**Change Request#:** 16286    **Open Class Search on the Web**

**Affected Process:**  
Security system of Web application

**User Sponsor:**  
FCCSC – Sophia Cowan

**Short Description of the Problem:**  
Backport TCC Module Security

**Short Description of the Resolution:**

TCC developed a module security system to allow/disallow access to both student and employee based resources on the mainframe. This system consists of two parts.

A new security object type “User” and the use of access controlled pages -- Module security. We had previously kept the 2 areas isolated by having 2 separate sessions. This was secure, but prevented interchange between the two systems. The advising system presented a challenge, because this is a case where a responsible employee (faculty or advisor) would be viewing Student documents. It became clear that two sessions would be awkward and difficult to maintain. It was decided to develop a single security session object that would allow for several different user types. The new object would be referred to as the “user” object rather than the earlier “student” or “employee” object. Further the new “user” object can act as a universal object for other types as well; Applicant, etc.

The second part of the system protects each page, based on certain values in a property file called “**moduleSecurity.properties**”. Each jsp, and Servlet must be listed in this property file, along with the resources security restrictions:

1. Every servlet regardless of if it's in the public domain, student, employee, or applicant areas must make a call to the module security method.
2. Every JSP page must either contain a call to studentmenu.inc or call the module security method.
3. The student menu, employee menu, and public access menus, need to be combined into student menu and displayed based on logon type. At the top of student menu will be a call to module security method. The reason to combine is so that when a employee calls a student page (i.e transcript display, or schedule display), the employee will still see the employee menu and not the student menu. This is currently implemented within the Advising system (IRN -17332), any student functions which can called by an employee (i.e. Advisor/faculty) have combined menu logic, which selects the appropriate menu for each group.
4. A new property file needs to be created called modulesecurity.properties. There will need to be an entry for every servlet and jsp page in the following format.
  - o **Servlet/jsp name=employee access, student access**
    - Where employee access can be “Yes” – all employees have access to page. “No” no employees have access to page. “Module name” – where only employees with access to that module can view the page.
    - Where student access can be “Yes” – all students have access to page. “No” where no students can view the page.
  - o /creditcard/studentfee.jsp=No,Yes

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## Release Notes

### Web Services

- Only students can access page.
- /employee/adminmenu.jsp=Yes,No
  - Only employees can access page.
- /transcripts/untrans.jsp=STS410P1,Yes
  - Only employees with access to STS410P1 in the mainframe and all students can access page.
- /servlet/registration.IAS016N1s=STA016P1,Yes
  - Only employees with access to STA016P1 and all students can call servlet.

#### Module Security Method Process Flow:

This process flow is the same for either a student, employee, or applicant.

1. When either a servlet or JSP is called, a call is made to the module security method.
2. Method will determine the name of the servlet/JSP being executed.
3. Method will lookup the servlet/JSP name in "modulesecurity.properties" and retrieve access based on logon type.
  - a. If access is "Yes" then normal process continues.
  - b. If access is "No" then redirected to a module security error page.
  - c. If access is a module name, then request sent to mainframe to verify if employee has access to module. (For efficiency purposes a table is maintained in memory for the duration of the session. Only the 1<sup>st</sup> call for a module name will result in a call to mainframe. If security is changed on the mainframe after the user has logged in and accessed that module then the user will need to logoff and log in again before the change will take affect.).
    - i. If access is allowed then process continues.
    - ii. If access is not allowed then redirected to a module security error page.

Initially the moduleSecurity properties can be loaded into the SQL database using a supplied utility program "standalone.conversion.LoadFromPropertyFiles.java". This procedure is discussed in IRN 16289. If you are not using the SQL Properties, it is still possible to use the conventional property files; simply using a text editor to change the values.

#### /WEB-INF/classes/modulesecurity.properties (partial view)

```
/admin/properties.jsp=Yes,Yes
/admin/propertiesdetail.jsp=No,No
/admin/reports/datelist.jsp=Yes,Yes
/admin/reports/joblist.jsp=Yes,Yes
/student/advising/advisingstudenttodolist.jsp=STV200P1,No
/student/advising/advisingstudentstepsforsuccess.jsp=STV200P1,No
/student/advising/advisingstudentchecklist.jsp=STV200P1,No
....
/servlet/student.advising.IAE100N1s=STV200P1,No
/servlet/student.advising.IAE101N1s=STV200P1,No
/servlet/student.advising.IAE102N1s=STV200P1,No
...

servlet/transcripts.IAS071N0s=Yes,Yes
/servlet/transcripts.IAS072N0s=Yes,Yes
/servlet/transcripts.IAU023N0s=Yes,Yes
```

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## Release Notes

### Web Services

Assuming that you are using the SQL based properties; you may update access to modules through the "Maintain Properties" page. Once you have accessed the main screen, select the line labeled "moduleSecurity" (second screen). Click on the far right-hand button labeled "Change". This will load Screen 3.

#### Screen 1

Maintain Properties				
Change	Reload	Server Name	Property Type	Description
<input type="radio"/>	<input type="radio"/>	ALL		null
<input type="radio"/>	<input type="radio"/>	ALL	advising	Text strings etc. for advising customization
<input type="radio"/>	<input type="radio"/>	ALL	beancontrol	Loaded from property file beancontrol.properties
<input type="radio"/>	<input type="radio"/>	ALL	broker	Loaded from property file broker.properties
<input type="radio"/>	<input type="radio"/>	maint	broker	Maintenance (Dev) environment
<input type="radio"/>	<input type="radio"/>	port	broker	PORT instance
<input type="radio"/>	<input type="radio"/>	ALL	brokercc	Loaded from property file brokercc.properties
<input type="radio"/>	<input type="radio"/>	ALL	campus	Loaded from property file campus.properties
<input type="radio"/>	<input type="radio"/>	ALL	classtatus	Loaded from property file classtatus.properties
<input type="radio"/>	<input type="radio"/>	ALL	classtypes	Loaded from property file classtypes.properties
<input type="radio"/>	<input type="radio"/>	ALL	colors	Loaded from property file colors.properties
<input type="radio"/>	<input type="radio"/>	ALL	creditcard	Loaded from property file creditcard.properties
<input type="radio"/>	<input type="radio"/>	ALL	creditcard_int	Loaded from property file creditcard_int.properties
<input type="radio"/>	<input type="radio"/>	ALL	creditcard_ivr	Loaded from property file creditcard_ivr.properties
<input type="radio"/>	<input type="radio"/>	ALL	creditcard_web	Loaded from property file creditcard_web.properties
<input type="radio"/>	<input type="radio"/>	ALL	da	Loaded from property file da.properties
<input type="radio"/>	<input type="radio"/>	ALL	display	Loaded from property file display.properties
<input type="radio"/>	<input type="radio"/>	ALL	effterm	Loaded from property file effterm.properties
<input type="radio"/>	<input type="radio"/>	ALL	empaddrtype	Loaded from property file empaddrtype.properties
<input type="radio"/>	<input type="radio"/>	ALL	empcity	Loaded from property file empcity.properties
<input type="radio"/>	<input type="radio"/>	ALL	empcountry	Loaded from property file empcountry.properties

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## Release Notes

### Web Services

Screen 2

<input type="radio"/>	<input type="radio"/>	ALL	effterm	Loaded from property file effterm.properties
<input type="radio"/>	<input type="radio"/>	ALL	empaddrtype	Loaded from property file empaddrtype.properties
<input type="radio"/>	<input type="radio"/>	ALL	empcity	Loaded from property file empcity.properties
<input type="radio"/>	<input type="radio"/>	ALL	empcountry	Loaded from property file empcountry.properties
<input type="radio"/>	<input type="radio"/>	ALL	employeeoptions	Loaded from property file employeeoptions.properties
<input type="radio"/>	<input type="radio"/>	ALL	empphonetype	Loaded from property file empphonetype.properties
<input type="radio"/>	<input type="radio"/>	ALL	empstate	Loaded from property file empstate.properties
<input type="radio"/>	<input type="radio"/>	ALL	errmsg	Loaded from property file errmsg.properties
<input type="radio"/>	<input type="radio"/>	ALL	facts	Loaded from property file facts.properties
<input type="radio"/>	<input type="radio"/>	ALL	faid	Loaded from property file faid.properties
<input type="radio"/>	<input type="radio"/>	ALL	feetype	Loaded from property file feetype.properties
<input type="radio"/>	<input type="radio"/>	ALL	finaid	Loaded from property file finaid.properties
<input type="radio"/>	<input type="radio"/>	ALL	financialstatus	Loaded from property file financialstatus.properties
<input type="radio"/>	<input type="radio"/>	ALL	jdbcodbc	null
<input type="radio"/>	<input type="radio"/>	ALL	mime	Mime types
<input checked="" type="radio"/>	<input type="radio"/>	ALL	modulesecurity	Loaded from property file modulesecurity.properties
<input type="radio"/>	<input type="radio"/>	ALL	postlogon	Loaded from property file postlogon.properties
<input type="radio"/>	<input type="radio"/>	ALL	proxy_broker	Loaded from property file proxy_broker.properties
<input type="radio"/>	<input type="radio"/>	ALL	redirect	Loaded from property file redirect.properties
<input type="radio"/>	<input type="radio"/>	ALL	security	Loaded from property file security.properties
<input type="radio"/>	<input type="radio"/>	ALL	siteaddress	Loaded from property file siteaddress.properties
<input type="radio"/>	<input type="radio"/>	ALL	specialdesg	Loaded from property file specialdesg.properties
<input type="radio"/>	<input type="radio"/>	ALL	statusdesc	Loaded from property file statusdesc.properties
<input type="radio"/>	<input type="radio"/>	ALL	statusmisdoc	Loaded from property file statusmisdoc.properties
<input type="radio"/>	<input type="radio"/>	ALL	subjectarea	Loaded from property file subjectarea.properties
<input type="radio"/>	<input type="radio"/>	ALL	systemunavailable	Loaded from property file systemunavailable.properties
<input type="radio"/>	<input type="radio"/>	ALL	titlecase	Loaded from property file titlecase.properties
<input type="radio"/>	<input type="radio"/>	ALL	webservice	Loaded from property file webservice.properties
<input type="radio"/>	<input type="radio"/>	ALL	WebSupport	Loaded from property file WebSupport.properties

Add New Properties

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## Release Notes

### Web Services

Screen 3.

Maintain Properties Detail for Server Name: ALL Property Type: modulesecurity		
Property Description		
Loaded from property file modulesecurity.properties		
<input type="button" value="Reload on this server"/> <input type="button" value="Update"/> <input type="button" value="Delete Table"/>		
Field Name	Field Value	Description
/admin/properties.jsp	Yes,Yes	
/admin/propertiesdetail.jsp	Yes,Yes	
/admin/reports/datalist.jsp	Yes,Yes	
/admin/reports/joblist.jsp	Yes,Yes	

On this screen, you can update any page or servlet. To review from the explanation above:

- **Layout:**        **Servlet/jsp    name=employee    access,    student    access**
- Where employee access can be “Yes” – all employees have access to page. “No” no employees have access to page. “Module name” – where only employees with access to that module can view the page.
- Where student access can be “Yes” – all students have access to page. “No” where no students can view the page.
  - /creditcard/studentfee.jsp=No,Yes
    - Only students can access page.
  - /employee/adminmenu.jsp=Yes,No
    - Only employees can access page.
  - /transcripts/untrans.jsp=STS410P1,Yes
    - Only employees with access to STS410P1 in the mainframe and all students can access page.
  - /servlet/registration.IAS016N1s=STA016P1,Yes
    - Only employees with access to STA016P1 and all students can call servlet.

**Remember that the corresponding access on the mainframe security file must be granted**

Enter the values and press the “**update**” button to save the value changes. Once the changes are complete you may press the “**Reload on this server**” button to cause the java server to get a fresh copy of the property file to load (without restarting the java server).

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## Release Notes

### Web Services

**Note:** Any user access which is denied by this system will be logged (using log4j set to level DEBUG). The entries in the log will look like the following:

```
2004-03-18 14:53:41,890 RAYM          DEBUG security.IAU080N0b -Recv:0001USER NOT
FOUND ON SECURITY FILE
0
2004-03-18 14:53:41,890 RAYM          DEBUG security.ModuleSecurityb -
ModuleSecurity denied: /servlet/student.advising.IAE104N1s=STA050P1,Yes
```

**Note** that the denied page and its setting at the time will be displayed. This should serve as useful information during troubleshooting.

---

**Change Request#:** 17169 **Allow Students to logon with SSN and Student Id**

**Affected Process:**  
Student Web Logon

**User Sponsor:**  
FCCSC – Ian Peterson

**Short Description of the Problem:**

Allow the Student to logon to the Web using either SSN or Student ID.  
This is in preparation for the Student SSN Conversion.

**Short Description of the Resolution:**

The module IAU090N1 was modified to retrieve the Student Record by both the Student ID and if it is not found, by the SSN.  
This will allow the Student to use either Student Id or SSN as their Web Logon. If the IA-SECURITY file is used, the Student will use the userid defined there instead.

---

**Change Request#:** 17470 **Do not allow duplicate user-ids to be created**

**Affected Process:**  
Employee Primary Signon

**User Sponsor:**  
IRCC – Maria Hernandez

**Short Description of the Problem:**

When adding a web user to the IA-SECURITY file, IAU092N3 verifies that the primary sign-on id doesn't exist if the user is a student. It does not check for the condition if the user is not a student. The program needs to check to make sure non-student primary sign-ons are not duplicated. Otherwise we can mistakenly add the same primary sign-on, say 'jdoe', for 2 different instructors.

User Specified Priority: Very High

**Short Description of the Resolution:**

Changed IAU092N3 to ensure that the primary sign-on id is unique. If the sign-on is not unique, an error message will be returned. No attempts will be made to ensure uniqueness.

# Integrow Version 2004.1

## Release Notes

### Web Services

#### Servers

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**Change Request#: 15489 Error Processing in UTLI01P2**

**Affected Process:**  
FACTS Server (UTLI01P1)

**User Sponsor:**  
PBCC – Tracy Fasciana

**Short Description of the Problem:**

2002-05-091. Broker server program - error handling.  
FACTS batch job abended on nat3145 --record not available at the moment. Please add logic to deal with records on hold. NAT3145 line 6804 at STS412N1  
Please return an error message instead of abending.  
>> consider changing the way that the UTLI01P1 server pgm handles natural errors (like IAS999P1).

**Short Description of the Resolution:**

Modified UTLI01P2 to function like IASERROR  
When a Natural Error occurs, the server restarts and does not abend.  
The same form of Error Logging was added to UTLI01P2

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**Change Request#: 15586 UTLI01P1 loops when Broker abends or is cancelled**

**Affected Process:**  
FACTS Server (UTLI01P1)

**User Sponsor:**  
PBCC – Tracy Fasciana

**Short Description of the Problem:**

2002-06-045 re: ENTIREX and FACTS batch jobs loops.  
When ETBSTARN (the broker batch job) is ended, the associated fact batch job (UTLI01P1) goes into a loop.  
However, the new admissions fact batch job does not go into a loop. Please correct the original facts batch job so that It will not go into a loop when BROKER is ended.

**Short Description of the Resolution:**

Changed UTLI01P1 to deregister when an error 02150148 (broker is down) is received.

# Integrow Version 2004.1

## Release Notes

### Web Services

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**Change Request#:** **16760** Wrong date format

**Affected Process:**  
Web interfaces

**User Sponsor:**  
BCC – George Cooke

**Short Description of the Problem:**

Dates are being displayed in DD/MM/YY format instead of MM/DD/YYYY format. This causes confusion when days are before the 12th. Is 11/05/02 November 5 or May 11? Please use standard date format.

ADARUN MODE=MULTI,DBID=106

NEXT IAS999P0 ETB250,PROD,WEB

Page 1

LOGON SUCCESSFUL TO WEB FCCSC PROD 19/05/03 13:11:17.3

**Short Description of the Resolution:**

Modified IAS999P0, IAS999P1 and IAS999P2 to use \*DAT4U instead of \*DATE.

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## Release Notes

### Web Services

#### Student

**Change Request#:** 16291 **Open Class Search on the Web**

**Affected Process:**  
Web Class Search

**User Sponsor:**  
FCCSC – Ian Peterson

**Short Description of the Problem:**  
Backport TCC Open Class/Course Search

**Short Description of the Resolution:**

TCC developed an Enhanced Search facility that allows students to search classes by a number of different criteria and combinations. In addition, they also developed a facility that downloads the data into memory on the Web Servers to speed up the search and reduce the impact on the mainframe.

PBCC modified the searches and backported these functions to the consortium.

The Enhances Class Search issues that Broker Commands CLSSR and CLSS2.

These commands are not issues by the Memory Class Search feature, but the Enhance Class Search must be in place for the Memory Class Search to work.

Additional Search Criteria allowed by the Enhanced Class Search are:

- Session
- Subject Area
- Special Designators
- Alternative Instructional Methods
- Day and Time combinations
- Course Title (or any part thereof)
- Instructor Name

The Search Criteria is driven by the display.properties file.

When the memory class search is started on the Web Server, the mainframe is access to retrieve all class data.

The command CLSL1 is issues repeatedly until all the reference numbers, available class seats and class status has been retrieved for all classes for the specified terms (beancontrol.properties).

Once all the reference numbers have been retrieved, the commands CLSL2, CLSL3 and CLSL4 are issues until the class information for all reference numbers have been retrieved.

All the class counts and class statuses are retrieved each time the data is refreshed. The interval is defined by the 'ClassesData-RefreshInterval' field in the beancontrol.properties. The additional data is refreshed for +-200 classes each time interval. During the next iteration, the class data for the next 200 classes will be returned.

For example, if the ClassesData-RefreshInterval=300 (5 minutes), the available class seats and class status will be updated every 5 minutes. It will take approximately 1.5 hours for all the other class information to be refreshed.

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## Release Notes

### Web Services

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**Change Request#: 16370** Adjust room # display in various registration pages

**Affected Process:**  
Registration FCCSC module

**User Sponsor:**  
FCCSC – Tracy Fascianna

**Short Description of the Problem:**

First 2 positions of Room/building number is truncated in several display pages. This is seen in viewschedule.jsp, modifyschedule.jsp, and coursesearch.jsp.

**Short Description of the Resolution:**

Create/modify a new method to do the following:  
Most building numbers begin with 2 zeros (00), however some are using the second position. So drop both zeros if 2 are present. Display characters 3-4-5 unconditionally. Add parameter to conditionally display character 6, using property file "display.properties"

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**Change Request#: 16627** Deliver an improved deployment of web class roster

**Affected Process:**  
Web Registration

**User Sponsor:**  
BCC – Karen Lee-Murphy

**Short Description of the Problem:**

Error messages 1166-1171 have a dash (-) instead of an equal sign (=). This prevents the error messages from being displayed.

**Short Description of the Resolution:**

Changed the dashes to equals in the errmsg.properties file.

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**Change Request#: 16675** Remove sensitive info from logging routines in Student PIN

**Affected Process:**  
Change PIN FCCSC module

**User Sponsor:**  
FCCSC – Tracy Fascianna

**Short Description of the Problem:**

The Student Change PIN web page logs the new and old values of the PIN to the log output file. The log file should not contain any sensitive data such as PIN.

**Short Description of the Resolution:**

Modified the writing to the log file to not include the sensitive data.

# Integrow Version 2004.1

## Release Notes

### Web Services

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**Change Request#: 16694** Browse Open Courses error on web with >10 instructors

**Affected Process:**  
Open Course Search

**User Sponsor:**  
PBCC – John Kinnen

**Short Description of the Problem:**

If there are more than 10 instructors, IAS058N0 has no logic to prevent going outside the IAS058A1.#INSTRUCTOR array limit. Class reference number 58246 has 12 instructors (FFP0020). I received a 9999 web error when I tried to view course ref# 58246.

**Short Description of the Resolution:**

Modified IAS058N0 to handle the situation when a class has more than 10 instructors.

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**Change Request#: 16756** Require User System for active users

**Affected Process:**  
SOS

**User Sponsor:**  
FCCSC – Sandy Langbart

**Short Description of the Problem:**

Property file needed for local version of facts degree audit was missing from the port release. Change was also made to studentmenu.inc in order to display degree audit option in drop down.

**Short Description of the Resolution:**

Changed studentmenu.inc and posted plog16756.zip for download which included da.properties.

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**Change Request#: 17036** Allow multiple pages to be displayed after student logon

**Affected Process:**  
Web logon

**User Sponsor:**  
FCCSC-Sophia Cowan

**Short Description of the Problem:**

Add new functionality to the current post logon process, i.e. Policy Page function.

**Short Description of the Resolution:**

A new broker command 'PLINF' –Post Logon InFormation has been created and replaces the Policy page command "POLPG". This stores flags similar to the older (now retired) "POLPG" command. The flags are (currently) are either a "Y" or a space. The "Y" indicates that the function (ie. Policypage, T1098, Florida Prepaid) is to be shown. The frequency and whether to show the page or not are determined by the mainframe. The web code for this command is divided among 3 servlets and a bean.

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## Release Notes

### Web Services

<b>Program</b>	<b>Function</b>
/src/security/IAS008N0b.java	Bean
/src/security/IAS008N0s.java	GET
/src/security/IAS008N1s.java	UPDATE
/src/security/IAS008N3s.java	CONTROLS Navigation (not a broker command)

The 2 actual broker commands; IAS008N0s and IAS008N1s are the GET and UPDATE functions for the PLINF command. The third servlet IAS008N3s determines which pages to display and finally hands control over to the page the user originally choose. Pages will only display if a "Y" is via the GET command.

**Change Request#: 17186 Deliver an improved deployment of web class roster**

**Affected Process:**  
Web Registration

**User Sponsor:**  
Sanford Langbart

**Short Description of the Problem:**

Intelligently display the studentID as either a masked SSN "\*\*\*\*\*1234" (if using an SSN) or display as a fully formatted ID using dashes – "xxx-xx-xxxx" if using a newer non-SSN based ID.

**Short Description of the Resolution:**

Modified the method "security.getMAsked StudentID()" to intelligently display one of the two formats.. The program logic looks for alpha characters in the ID and returns the ID in the dash format if it finds them – xxx-xx-xxxx. If all numbers are found it will return a masked SSN "\*\*\*\*\*1234". Also added a new method security.isNumbers() to provide the base logic to determine the format type to use.

**Change Request#: 17475 Prospect Comments via web change**

**Affected Process:**  
Prospect Comments via Web

**User Sponsor:**  
FCCSC – Ian Peterson

**Short Description of the Problem:**

Module IAS064N0 for the Prospect Comments on the web assume that the Student ID field is 9 numeric digits. Since the SSN -> Student ID project, this is no longer the case. The module needs to change.

**Short Description of the Resolution:**

Modified IAS064N0 to not assume the student id is 9 digits.

# Integrow Version 2004.1

## Release Notes

### Web Services

#### Student Records

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**Change Request#:** 15701 Show correct primary objective on web gpa screen

**Affected Process:**  
Web GPA screen

**User Sponsor:**  
BCC – Wendy Clink

**Short Description of the Problem:**

2002 -07-057. If a student doesn't have a primary object, the display student GPA screen, gpa.jsp, on the web is defaulting to the first program objective it finds in the program demographic file i.e. 1000-agricultural science. This will perform this way whenever no primary objective is defined.

**Short Description of the Resolution:**

Modified IAS046N2 to not default to program 1000 and get incorrect program title when student does not have a primary objective.

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**Change Request#:** 17223 Remove bad address holds when info reviewed on web

**Affected Process:**  
Change Student Address

**User Sponsor:**  
PBCC – Annaleah Morrow

**Short Description of the Problem:**

On Web when student is on "Change Address" screen, when click "submit" - make any changes AND remove all associated bad address holds. Currently, programming requires that the information be different.

**Short Description of the Resolution:**

Modified IAS022N0 to remove all bad address holds when the student has reviewed and submitted the information on the change address screen on the web.

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## Release Notes

### Web Services

#### Web

**Change Request#:** 16628 Add application security to STARTWEB menu

**Affected Process:**

Web Menu

**User Sponsor:**

PBCC – Tracy Fasciana

**Short Description of the Problem:**

Please add the normal application security to the WB option on the START menu. This would then restrict users from even going into the STARTWEB menu from the START menu. All options within the STARTWEB menu already have this security.

**Short Description of the Resolution:**

Modified STARTWEB to add application security to the module. The module was already defined within the security system, so no additions were required here.

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## Release Notes

### Web Services

#### Web-based Reports

**Change Request#:** 17333    **Backport TCC Web-Based Reporting**

**Affected Process:**  
Web Based Reporting

**User Sponsor:**  
FCCSC – Sophia Cowan

**Short Description of the Problem:**  
Provide a way to view mainframe reports via a web interface.

**Short Description of the Resolution:**  
This functionality was backported from TCC.  
A series of programs are delivered which periodically call the mainframe and download reports to a Web Server via FTP. Access to the reports is controlled via module security from the mainframe.

A change is required to UTL800S2 (the end of job copycode in the Batch Submission system) to trigger an FTP.

This is a sample of the code added by TCC. Each college will have to make a similar change to their copy of UTL800S2.

```
/* *****  
*   FTP Trigger to web server  
/* *****  
// DLBL XFER1, 'FTP.REPORT.TRIGGER', ,SD  
//      EXTENT SYS004,@PACK,1,0,1,1  
INCLUDE UTL800S8  
OPEN XXX.XXX.XXX.XXX  
USER xxxxxxx  
PASS xxxxxxx  
CD REPORTS  
PUT %XFER1,SAM,VB,32763,32767 @DBDF.txt  
CLOSE  
QUIT
```

Once this trigger file is FTP'd, a Web service will check for any reports in the Mainframe output queue and FTP them to a Web Server from where they can be accessed.