

PS89 Enrollment Conversion Plan

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Summary

Enrollment conversion will be a key portion of the Student Records conversion effort. The historical Course Catalog and Class Schedule are actually done specifically so that this conversion can take place. Because of the way enrollment data is stored in legacy systems, all enrollment data will be converted at the same time, but from two different places. Enrollment data from terms prior to GO LIVE TERM will be converted from the SIS student file. GO LIVE TERM enrollments will be converted using data from the existing SIS Enrollment Extract.

Most PeopleSoft data can be converted directly into the final tables. However, enrollment and student statistics need to be sent through a piece of PS functionality called the Enrollment Request. It automatically calculates all enrollment statistics (GPA, credit unit totals, etc.) and puts the data through many tests to ensure that it is clean. Therefore, the tables listed in the section below are the tables that are used when creating Enrollment Requests. One of the functions of an enrollment request is to ensure that all of the rules Cornell has set up for enrollment are followed. The Enrollment Request tables contain many override flags that are used to allow many of those rules to be broken during the enrollment process. Since conversion enrollment should be accepted exactly as is, all overrides except "Override Action Date" will be set to "Yes." This will prevent errors that would be caused by things such as students who were enrolled in "too many" units during a historical term.

After the Enrollment Requests are created by the conversion process, the delivered PS Mass Enrollment process will be run to post the enrollments/grades to students' records.

Assumptions

In addition to the Assumptions listed in the main Conversion Plan document, the following has been assumed in the creation of this document:

- Some class section numbers in PS and SIS will not match for the GO LIVE TERM. This is because SIS allows a lecture section 1 and a lab section 1 in the same course, and PS does not. PS Section is unique on class nbr so it will be Lecture Section 1 and Lab Section 2

Check to be done before Mass Enrollment

- The LAST_ENRL_DT in the PS_SESSION_TBL should not fall before the Current System Date. If any of them fall before current date then these rows have to be updated to a NULL value and reset them back to the original values once the conversion is complete.

As we are processing historical data the last_enrl_dt should not fall before the sysdate. But according to the users perspective it is ok to have a last_enrl_dt to be less than the sysdate. I

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have spoken to Terry Thompson where he mentioned that normally the Last_enrl_dt is left blank but in some cases they do input the date which would let our mass enrollment process to fail.

Business user have to verify that is we set this date to Null would it make any difference.

Work Units Created :

There is a Minor change made to a Mass Enrollment CoBoL Process to have better performance by 20 times. This change was made to the CoBoL Process SRPCEPST.cbl.

A Work Unit SRCV001 has been created on SACNV89 Database for this change.

This Change has to be backed-out once the Conversion mass Enrollment is Complete.

Three Lines of cobol code has been commented. Thoses three line of code has been listed below.

```
IF DBTYPE-ORACLE OF SQLRT  
MOVE 00 TO SYS-HS OF SYS-TIME-F OF SYSTEM-INTERFACE  
END-IF
```

Input Data Extract Files

ENROLLMENT_EXTRACT
STDT_COURSE_INFO

PS Staging Tables

ENROLLMENT_EXTRACT
STDT_COURSE_INFO

Cleanup Utilities.

To revert or Rollback the process the Cleanup utility is located in the following location.

For SRCNV08

/CITFS\files\server\projects\p2k\psoft 8\Student Records\Student Records Conversion\Conversion Programs\SRCNV Convert Legacy Data\Cleanup\SRCNV08 Cleanup.SQL

FOR SRCNV14

/CITFS\files\server\projects\p2k\psoft 8\Student Records\Student Records Conversion\Conversion Programs\SRCNV Convert Legacy Data\Cleanup\SRCNV12,13,14 Cleanup.SQL

Tables into which data will be converted

This section will list the PS records into which data will be converted. A summary description of the data held in the record will be given, as well as a listing of all fields in the record and how they will be filled in,

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be it by converting data from SIS or through the use of a default. Unless indicated otherwise, the fields are listed in the order they appear in the PS record.

ENRL_REQ_HEADER:

The ENRL_REQ_HEADER record is the parent record for Enrollment Request data. It holds information such as the Enrollment Request ID, the overall status of the Enrollment Request, and the source of the Enrollment Request. The fields in ENRL_REQ_HEADER are as follows:

ENRL_REQUEST_ID (PS_ENRL_REQ_HEADER) Key

Enrollment Request ID: this is a counter in PS, incremented by 1 for each new Enrollment Request. The first enrollment request ID will be equal to the value currently in PS_ENRL_REQ_ID_TBL.ENRL_REQ_ID_LAST + 1. As enrollment requests are created for the current conversion effort, the counter field will be periodically updated as well.

OPRID (PS_ENRL_REQ_HEADER)

User ID: the person who created or last updated the enrollment request. Set this to the conversion user. 'CONV'

ENRL_REQ_PROC_ST (PS_ENRL_REQ_HEADER)

Enrollment Request Process Status: new Enrollment Requests start out in a status of Pending. Set this to Pending ('P').

ENRL_REQ_SOURCE (PS_ENRL_REQ_HEADER)

Enrollment Request Source: these Enrollment Requests will be for batches of students. Set to Mass Enrollment ('ME').

PROCESS_INSTANCE (PS_ENRL_REQ_HEADER)

Process Instance: this is calculated when the Enrollment Request is posted. Set to the default, 0.

DTTM_STAMP_SEC (PS_ENRL_REQ_HEADER)

Last Update DateTime: this is calculated when the Enrollment Request is posted. Set to the default, Null.

ENRL_REQ_DETAIL:

The ENRL_REQ_DETAIL record is the child record for Enrollment Request data. It holds all of the specific information on the request such as the student, class, and action being performed. The fields in ENRL_REQ_DETAIL are as follows:

ENRL_REQUEST_ID (PS_ENRL_REQ_DETAIL) Key

Enrollment Request ID: this will be assigned as outlined above.

ENRL_REQ_DETL_SEQ (PS_ENRL_REQ_DETAIL) Key

Enrollment Req Detail Sequence: a sequential counter, begin at 1 for each ENRL_REQUEST_ID and count up by 1 for each row added.

EMPLID (PS_ENRL_REQ_DETAIL)

ID: STDT_COURSE_INFO.EMPLID

ACAD_CAREER (PS_ENRL_REQ_DETAIL)

Academic Career: will be retrieved from PS_STDNT_CAR_TERM Table

INSTITUTION (PS_ENRL_REQ_DETAIL)

Academic Institution: there is only one Institution in Cornell's implementation. Set to CUNIV.

STRM (PS_ENRL_REQ_DETAIL)

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Term: this will be translated from STDT_COURSE_INFO.TERM and YEAR. Enrollment will be converted from terms where STDT_COURSE_INFO.TYPE_OF_SEMESTER is not 'A' (AP Credit) or 'T' (Transfer).

CLASS_NBR (PS_ENRL_REQ_DETAIL)

Class Number: this is the PS link between students' enrollment and the Schedule of Classes. During conversion of the Schedule of Classes, this value will be added to the staging table that holds enrollment to ensure that the matches are all correct.

ENRL_REQ_ACTION (PS_ENRL_REQ_DETAIL)

Enrollment Request Action: set this to Enroll ('E'). Note that when a student is enrolled in a class, they can be graded in the same Request row, using the Enroll action.

ENRL_ACTION_REASON (PS_ENRL_REQ_DETAIL)

Enrollment Request Reason: to distinguish these Enrollment Requests from those created manually, a Conversion reason will be used here. Set to 'CONV'.

ENRL_ACTION_DT (PS_ENRL_REQ_DETAIL)

Enrollment Action Date: this field is filled in only when the Action Date is overridden. Set to the default, Null.

UNT_TAKEN (PS_ENRL_REQ_DETAIL)

Units Taken:

For Historical Enrollment $UNT_TAKEN = STDT_COURSE_INFO.CREDIT_HRS/100$

For Current Enrollment

If Section is Graded then

```
If SIS ENROLLMENT.EXTRACT STUDENT_CR_HRS_N is '0'  
Then UNT_TAKEN = COURSE_HOURS  
Else  
UNT_TAKEN = STUDENT_CR_HRS_N
```

If Section is Not Graded then $UNT_TAKEN = '0'$

UNT_EARNED (PS_ENRL_REQ_DETAIL)

Units Earned: this is a field is not used Conversion. Set to the default, 0.

CRSE_COUNT (PS_ENRL_REQ_DETAIL)

Course Count: this will be set to 1 on all courses for conversion. Set to 1.

REPEAT_CODE (PS_ENRL_REQ_DETAIL)

Repeat Code: there is no equivalent to this in SIS. Set to the default, blank.

CRSE_GRADE_INPUT (PS_ENRL_REQ_DETAIL)

Grade Input: IF Student has withdrawn from the course he will be give the CRSE_GRADE_INPUT as 'W' else a Blank.

GRADING_BASIS_ENRL (PS_ENRL_REQ_DETAIL)

Grading Basis: for historical conversion data, set to the conversion grading basis, 'CNV'. For GO LIBE TERM enrollments, set to stdt_course_info.STDNT_GRADE_OPTION.

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If &SIS_ENRL.GRADE_OPTION = 'A' then GRADING_BASIS_ENRL = 'AUD'

And for other Grade Options

For Historical Enrollments set GRADING_BASIS_ENRL = 'CNV'

For Current Enrollments :

If &SIS_ENRL.GRADE_OPTION = 'O'
 if &SIS_ENRL.STUDENT_GRADE_OPT
 = 'L' then GRADING_BASIS_ENRL = 'GRD'
 = 'S' then GRADING_BASIS_ENRL = 'SUS'
 =Other = 'Student has an invalid STUDENT_GRADE_OPT: ' = 'GRD'

If &SIS_ENRL.GRADE_OPTION = 'L' then GRADING_BASIS_ENRL = 'GRD'
 = 'E' then GRADING_BASIS_ENRL = 'SUS'
 = Other = 'Student's has an invalid GRADE_OPTION: ' = 'GRD'

CLASS_PRMSN_NBR (PS_ENRL_REQ_DETAIL)

Class Permission Nbr: permission numbers will not be used in any conversion programs. Set to the default, 0.

CLASS_NBR_CHG_TO (PS_ENRL_REQ_DETAIL)

Change to Class Nbr: this only applies to changing classes in an enrollment request. Set to the default, 0.

DROP_CLASS_IF_ENRL (PS_ENRL_REQ_DETAIL)

Drop This Class if Enrolled: this only applies to changing classes in an enrollment request. Set to the default, 0.

CHG_TO_WL_NUM (PS_ENRL_REQ_DETAIL)

Change to Wait List Nbr: this only applies when changing wait list position. Set to the default, 0.

RELATE_CLASS_NBR_1 (PS_ENRL_REQ_DETAIL)

Related Class Number 1: This field is used to allow students to be enrolled in a class with multiple components (lecture/lab, for example). During historical enrollment conversion, this will never be used, and should be set to the default, 0. During GO LIVE TERM enrollment conversion, students will be enrolled in the proper sections of classes like this using separate rows of the same enrollment request.

RELATE_CLASS_NBR_2 (PS_ENRL_REQ_DETAIL)

Related Class Number 2: This field is used in conjunction with RELATE_CLASS_NBR_1 to allow students to be enrolled in a class with three components (lecture/lab/discussion, for example). See RELATE_CLASS_NBR_1 for more information.

Since the goal of enrollment conversion is to ensure that students get exactly the same credit for their classes as they had in legacy, the following overrides will all be set to Yes ('Y').

OVRD_CLASS_LIMIT (PS_ENRL_REQ_DETAIL) – Override Class Limit

OVRD_GRADING_BASIS (PS_ENRL_REQ_DETAIL) – Override Grading Basis

OVRD_CLASS_UNITS (PS_ENRL_REQ_DETAIL) – Override Class Units

OVRD_UNIT_LOAD (PS_ENRL_REQ_DETAIL) – Override Class Load

OVRD_CLASS_LINKS (PS_ENRL_REQ_DETAIL) – Override Class Links

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OVRD_CLASS_PRMSN (PS_ENRL_REQ_DETAIL) – Override Class Permission

OVRD_REQUISITES (PS_ENRL_REQ_DETAIL) – Override Requisites

OVRD_TIME_CNFLCT (PS_ENRL_REQ_DETAIL) – Override Time Conflict

OVRD_CAREER (PS_ENRL_REQ_DETAIL) – Override Career

WAIT_LIST_OKAY (PS_ENRL_REQ_DETAIL)

Wait List Okay: Wait List functionality will not be used in any conversion. Set to the default, No ('N').

OVRD_ENRL_ACTN_DT (PS_ENRL_REQ_DETAIL)

Override Action Date: we will not override the action date in any enrollment conversion. Set to the default, No ('N').

OVRD_RQMNT_DESIG (PS_ENRL_REQ_DETAIL)

Override Requirement Designation: we will not be using Requirement Designations in conversion. Set to the default, No ('N').

OVRD_SRVC_INDIC (PS_ENRL_REQ_DETAIL)

Override Service Indicator: because we will have already converted Service Indicators, this must be set to Yes ('Y') in case any students have Service Indicators that would prevent them from enrolling.

OVRD_APPT (PS_ENRL_REQ_DETAIL)

Override Appointment: enrollment appointments will not be used in conversion, and the need to have them is dictated only by a pair of dates on the term calendar. Set this to Yes ('Y') in case of problems with the term calendar.

INSTRUCTOR_ID (PS_ENRL_REQ_DETAIL)

Instructor ID: this is only used in cases where students are able to choose their instructor from a list. This will not be used in any conversions. Set to the default, blank.

ENRL_REQ_DETL_STAT (PS_ENRL_REQ_DETAIL)

Enrollment Req Detail Status: set this to the default, Pending ('P').

RQMNT_DESIGNTN (PS_ENRL_REQ_DETAIL)

Requirement Designation: there is no equivalent to Requirement Designation in SIS, and therefore nothing to convert. Set to the default, blank.

RQMNT_DESIGNTN_OPT (PS_ENRL_REQ_DETAIL)

Requirement Designation Option: this will not be used in conversion. Set to the default, No ('N').

RQMNT_DESIGNTN_GRD (PS_ENRL_REQ_DETAIL)

Requirement Designation Grade: this will not be used in conversion. Set to the default, blank.

TSCRPT_NOTE_ID (PS_ENRL_REQ_DETAIL)

Transcript Note ID: this will not be used in conversion. Set to the default, blank.

TSCRPT_NOTE_EXISTS (PS_ENRL_REQ_DETAIL)

Transcript Note Exists Flag: this will not be used in conversion. Set to the default, No ('N').

OPRID (PS_ENRL_REQ_DETAIL)

User ID: Set to the conversion user. 'CONV'

DTTM_STAMP_SEC (PS_ENRL_REQ_DETAIL)

Last Update Date Time: this will be set when the Enrollment Request is posted. Set to the default, Null.

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START_DT (PS_ENRL_REQ_DETAIL)

Start Date: this applies only to Open Entry/Open Exit classes, which will not be used in conversion.
Set to the default, Null.

ACAD_PROG (PS_ENRL_REQ_DETAIL)

Academic Program : will be retrived from the PS_ACAD_PROG and PS_TERM_TBL for the student.

Timeline

Mapping of SIS data to PS data –
Programming
Testing beginning in
Convert data in

Conversion programs

SRCNV08.sqr
SRCNV14.sqr

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Approvals

PS Developer Completed: __Bhanu Prakash Kambhampati_____ Date: __1/15/06__

Functional Approval: __Received during worksessions_____ Date: __2/17/06__

Progress

Task	Name	Date Completed
Review PS Program and Update Specification	Bhanu Prakash Kambhampati	1/15/06