



Ellucian Documentation

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Registration

This chapter discusses the Registration reports and processes.

Registration Fee Assessment Process (SFRFASC)

This process is used to run batch processing of registration fee assessments and to migrate from the old processing (SFRFASM or SFRFAS1). Running SFRFASC will provide the most recent assessment data for the audit history table. SFRFASC allows you to do the following.

- Use a population selection.
- Process assessments for a single ID or a list of IDs.
- Use an enrollment status (E) or collector mode (C).
- Print audit records (A), student accounting records (T), or both (B).
- Use separate date parameters for refunding by total versus effective dating of assessments.
- Run the process in Audit or Update mode.

Note: When you are migrating from the old processing to the current processing, the Create Accounting Records parameter should be set to N, to not insert TBRACCD records into accounting. The Run Mode parameter should be set to U (Update) to update the database.

SFRFASC runs in conjunction with the settings of the Registration Fee Assessment On-line (Indicator) and the Web Self-Service and Voice Response Assessment On-line (Radio Group) on SOATERM.

- When registration records are processed through self- service and through SFAREGS, and the Registration Fee Assessment On-line (Indicator) is unchecked (set to N) and the Web Self-Service and Voice Response Assessment On-line (Radio Group) is set to *Not Available* (meaning no assessment information has been recorded), then this process should be run for all students within a term.
- When the Registration Fee Assessment On-line (Indicator) is checked (set to Y), indicating that online fee assessment is available, then this process should be run in collector mode, in case online assessment has been deferred due to the process option setting of the Fees field on SFAREGS being changed to N (Batch for Updates) or B (Batch Only), instead of using the default setting of Y (Immediate).
- Fee assessment can also be deferred using the Registration Mass Entry Form (SFAMREG).
- When the Registration Fee Assessment On-line (Indicator) on SOATERM has been checked (set to Y), it should remain checked.

Batch fee assessment can be run in either Update mode or Audit mode. Use Update mode to post the charges on the student's account (TBRACCD record) for the term. You may want to use Audit mode to print a report of what the assessment results would be if the process was run in Update mode. SFRFASC uses assessment rules defined on the Registration Fee Assessment Rules Form

(SFARGFE), in addition to as any fees posted through the Registration Additional Fees Control Form (SFAAFEE), to calculate registration-related charges.

The output from SFRFASC can be printed in either name or ID order and includes the detailed transactions that have been posted to the student's account record. If you have chosen to display the audit history records, that information will also be printed on the output. These printed charges result from the entries made in registration and show the effective dates and net change to the student's account. The audit history entries show the actual date of the assessment, not the effective date. Whenever fee assessment is run in Update mode, information about the student's assessment is placed in the audit history table.

Before a student bill is produced using the Student Invoice/Billing Statement (TSRCBIL), you must have assessed registration fees either through batch or online processing. You have the option to create a schedule/bill collector record during batch fee assessment processing for any students with a change in fee assessment (either additional charges or credits). Collector records will not be written for students who do not have any changes. To create schedule/bill collector records, enter `Y` in the Add Invoice Collector Record parameter.

If you are running batch fee assessment from the command line, the error message Invalid request; Update student account not requested will not be displayed if you enter `N` in the Create Accounting Records parameter (displayed on the command line as Create Accounting Detail Records) but then enter `Y` for the Add Invoice Collector Record parameter. Because you are not creating any changes to the student's accounting records, the collector record for student bills is not populated. If schedule/bill collector records are needed, both the Create Accounting Records and Add Invoice Collector Record parameters must be set to `Y`.

If collector records are created, they may be used either for processing student bills in invoice mode or student schedule/bills through the Student Invoice/Billing Statement (TSRCBIL). If it is anticipated that the collector records will be processed by TSRCBIL in sleep/wake mode, an appropriate value should be entered for the Printer parameter. This value should be one of the valid printer selections from the Printer Validation Form (GTVPRNT) which has been specifically set up by your institution for use with sleep/wake processing. If you are not using sleep/wake processing, enter any valid printer code to populate the collector records. The same code should be entered for the Printer parameter in TSRCBIL.

Parameter Name	Required?	Description	Values
Term	Yes	Enter the registration term for which fee assessment is to be processed.	Term Code Validation Form (STVTERM)
Assessment Date	No	Enter the date (in format DD-MON-YYYY) to be used as the effective date for all of the fee assessment transactions generated by this process.	

The following hierarchy is used when assigning the effective date: first - the date in the Registration Fee Assessment Effective Date field on SOATERM, second - the date in this parameter, and third - the Banner system date.

Parameter Name	Required?	Description	Values
<p>The date options are also affected by the settings of two fields on the Student Billing Control Form (TSACTRL): the Effective Date radio group <i>Current Date</i> or <i>Date of Charges</i> options and the Accept Charges (Indicator). When the Effective Date field on TSACTRL is set to <i>Date of Charges</i> (C), and a future date exists in SOATERM or in this parameter, the future date will always be used. If the Effective Date field on TSACTRL is set to <i>Current Date</i> (T), and a future date is chosen, if the Accept Charges (Indicator) for the student is checked (set to Y), today's date will be used, even if this parameter is set to a future date or a future date exists on SOATERM.</p>			
Student ID	No	Enter the student's ID when you are running the assessment process for a single ID.	
Application Code	No	Enter the code that identifies the general area for which the selection identifier was defined. All or none of the population selection parameters must be entered.	Application Inquiry Form (GLIAPPL)
		The Population Selection Extract Inquiry Form (GLIEXTR) may be used to review the people who will be processed in the load from the selection identifier and application code entered.	
Selection Identifier	No	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Inquiry Form (GLISLCT). All or none of the population selection parameters must be entered.	Population Selection Inquiry Form (GLISLCT)
Creator ID	No	Enter the user ID of the person creating the sub-population	

Parameter Name	Required?	Description	Values
		rules. The creator ID must have been specified when defining the selection identifier. All or none of the population selection parameters must be entered.	
User ID	No	Enter the user ID for the population selection. This will match the creator ID and is the Banner logon user ID. All or none of the population selection parameters must be entered.	
Batch Type	No	Enter C to process all entries from the SFRBTCH collector table. Enter E to define a group of students for assessment by enrollment status.	C - Collector E - Enrollment status
<p>Select the enrollment status code using the Enrollment Status parameter. Whenever an assessment is processed for a student or term, or both, no matter how the assessment is invoked, maintenance is performed on the SFRBTCH collector table for the student and term being processed. If a collector record exists for the student or term, or both being assessed, the collector record is deleted. (The purpose of the collector record is to make sure the student is assessed.) When assessment is run using a batch type of C (collector), all records in SFRBTCH for the term specified will be processed and subsequently deleted from the table.</p>			
Enrollment Status	No	Enter the enrollment status code for the fee assessment or leave blank for all.	Enrollment Status Code Validation Form (STVESTS)
Full or Part Time Indicator	Yes	Enter the student course load for the assessment. Enter F for full-time, P for part-time, or enter % for all. The default is % . This parameter looks at the value in the SGBSTDN_FULL_PART_IND field.	F - Full-time P - Part-time % - All

Parameter Name	Required?	Description	Values
Assessment Type Rule	Yes	Enter the rule type to use for the assessment. Enter P for a pre-registration bill or R for registration rules. The default is R .	P - re-registration bill R - Registration
Accounting Detail to Print	Yes	Enter the student accounting detail to be printed on the assessment. Enter C to print the current student accounting only, A for all student accounting for the term, or N for no student accounting detail. The default is C .	C - Current student accounting only A - All student accounting for term N - None
Report Type	Yes	Enter the report type for the assessment. Enter A for audit history records only, T for TBRACCD (student accounts receivable charges and payments) records, or B for both. The default is T .	A - Audit history records only T - Student Accounts Receivable records B - Both
Sort Order	Yes	Enter the sort order for the report detail. Enter N to sort by name or I to sort by student ID. The default is N .	N - Sort by name I - Sort by student ID
Add Invoice Collector Record	Yes	Enter Y to create a TBRCBRQ (invoice collector) record or N to not create an invoice collector record. The default is N . No collector records for student schedule/bills will be created if the Create Accounting Records parameter is set to N .	Y - Add invoice collector record N - Do not add invoice collector record

Parameter Name	Required?	Description	Values
Invoice Printer	No	Enter the code for the destination printer where the invoice is to be printed.	Printer Validation Form (GTVPRNT)
Create Accounting Records	Yes	Enter Y to create TBRACCD (student accounts receivable charges and payments) student accounting records or N to not determine the student accounting information based on the assessments. The default is Y. Schedule/bill collector records will not be created unless this parameter and the Add Invoice Collector Record parameter are both set to Y.	Y - Create student accounting records N - Do not create student accounting records

Warning! When the Create Accounting Records parameter is set to N and the Run Mode parameter is set to U, SFAFAUD records are created for the assessed students, but the charges are not transferred to TSAAREV. If this is noticed before the next run of SFRFASC, deleting the newly created SFAFAUD records and re-running SFRFASC will update TSAAREV. However, if subsequent runs of SFRFASC have been performed before the error is discovered, there is no method available to update TSAAREV, and the charges will have to be posted manually.

Refund by Total Refund Date	No	Enter the date of the refund by total refund period in format DD-MON-YYYY. This date establishes the percent refund to be used for any dropped courses as determined by the SFARFND table. If you are using refund by total, and no date is provided here, and there are unprocessed dropped courses that qualify for refunds, the
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Parameter Name	Required?	Description	Values
		refunds will not be calculated.	
Run Mode	Yes	Enter A to run in Audit mode and print an audit report for fee assessment. Enter U to update the database records. The default is A .	A - Audit mode U - Update mode

Purge Fee Assessment Audit Process (SFPFAUD)

This process is used to purge audit history records from the database.

SFPFAUD allows you to do the following:

- Run the purge process for range of dates for transactions, for a specific term, or for an ID.
- Keep only the last assessment records.
- Print summary or detail information.
- Run the purge in Audit or Update mode.

The last assessment should be kept when the current term is active and additional assessments are going to occur for that term. If all records are purged for a given term and section fees or other additional fees exist, fee assessment may need to be run twice to ensure accurate assessment.

This process prevents the intermediate assessment audit that is created to handle records with a status of **DD** from being purged. These interim records will not be purged until a flat charge rule qualification has re-occurred. This will ensure that future assessments will have accurate previous assessment records available for fee assessment processing.

The process deletes SFRFAUD rows for qualified students by assessment rule type (*STUDENT*, *LEVEL*, *CAMPUS*, *ATTR*). The process considers if a student has had prior flat rule qualification but has been reassessed due to having a drop/delete issued. Because the student's assessment in essence starts over when the drop/delete is realized by assessment, any prior assessment audit records that record prior flat charge rule qualification can be safely purged.

SFPFAUD first determines if a drop/delete scenario has been handled by assessment. If it has, any assessment audit before the drop/delete being handled can be purged. The process checks to see if a date is found for when a drop/delete was handled, and then goes on to delete all assessment audit before the drop/delete, making sure to retain the last assessment audit.

Parameter Name	Required?	Description	Values
Term Code	Yes	Enter the registration term code for which fee assessment audit	Term Code Validation Form (STVTERM)

Parameter Name	Required?	Description	Values
		history records are to be purged.	
Transaction Start Date	No	Enter the date for the beginning of the range for which fee assessment audit history records are to be purged. Use format DD-MON-YYYY.	
Transaction End Date	No	Enter the date for the end of the range for which fee assessment audit history records are to be purged. Use format DD-MON-YYYY.	
Student ID	No	Enter the ID of the student for which fee assessment audit history records are to be purged.	
Retain Last Assessment Audit	Yes	Enter Y to retain audit history records for the last assessment. Enter N to not retain audit history records for the last assessment. The default is Y.	Y - Keep last assessment N - Do not keep last assessment
		Warning! The last assessment audit history records are used by the fee assessment process to perform critical refund by total and refunding with flat and overload	

Parameter Name	Required?	Description	Values
		hour calculations. Purging all records may result in incorrect assessments when fee assessment is run again.	
Report Type	Yes	Enter D for a detailed report with student ID and name, or enter S for a summary report (record count). The default is S .	D - Detail report S - Summary report
Run Mode	Yes	Enter A to produce a listing of all selected purge data without affecting the database. Enter U to update the database after purging the selected data. The default is A .	A - Audit mode U - Update mode

Unduplicated Headcount Report (SFRHCNT)

This report produces headcount totals by level and major for all students for the term who have a student registration status (STVESTS) with the Affect Headcount check box checked (set to **Y**).

Other data for each level/major group includes campus, session residency, sex, ethnic code, and classification. A grand total of all enrolled students is also reflected.

Note: Student classification rules must exist for students of all levels. If classification rules do not exist for a certain level of students, they will NOT be reported in the Unduplicated Headcount Report (SFRHCNT).

Parameter Name	Required?	Description	Values
Term	Yes	Enter the term code representing the term for which the report is to be generated.	Term Code Validation Form (STVTERM)

Registered, Not Paid Process (SFRRNOP)

This process permits the reporting or reporting and deletion of student registrations in a term for which financial arrangements/payments have not been made.

The Acceptance field on the Student Course Registration Form (SFAREGS), defaults to **N** when a registration is first processed. This flag is changed from **N** to **Y** through the use of the Student Payment Form (TSASPAY), when a student makes payment, or arranges terms for payment. The flag can be changed on SFAREGS to **C**, for confirmed, to indicate that the student's pre-registration has been confirmed, but payment has not yet been made.

The Registered, Not Paid process deletes the registration records for the term (in addition to ETRM records) for those students with an **N** or those with an **N** and a **C** in the Acceptance field of SFAREGS. To make sure no orphan records are created during the deletion process, the SFRAREG, SHRCMRK, SHRMRKS, and SHRSMRK records will be deleted with the SFRSTCR records.

The process can be run in Audit or Update mode. Students whose registration records are deleted through SFRRNOP are also dropped from the Class Roster Form (SFASLST). The report lists all students affected in alpha order along with their addresses. This process also posts adjusting entries to the student's account for any charges associated with the dropped registration and delete time status history records if they exist.

Note: The process will bypass Elevate registration records based on the integration partner code. When the SSBSECT_INTG_CDE field on SSASECT is set to **ELEV8**, the record is not considered by the process.

Parameter Name	Required?	Description	Values
Processing Term	Yes	Enter the term code representing the term for which the process is being run.	Term Code Validation Form (STVTERM)
Update Database	Yes	Enter Y to delete registration records from SFAREGS for students for the term (based on the Type parameter) and back out the registration charges for the term, or N to print a report without deleting registration records or backing out charges.	Y - Delete registrations N - Do not delete
Type (C or N)	Yes	Enter N to affect only those students with an N in the Acceptance field, or enter C to affect both students	N - Accept Charges = N C - Accept Charges = N or C

Parameter Name	Required?	Description	Values
		with an N and with a C in the Acceptance field.	
Date for Census Processing	No	Enter date for which census enrollment information should be affected. If this date is less than or equal to either the census one or census two date for the course being dropped, the census enrollment counts will be reduced. If the date is greater than the census dates, the course will be dropped, but the student will not reduce the census enrollments. Leave blank for today; enter in date format DD-MON-YYYY.	
Address Selection Date	No	Which address, effective on this date, do you want to print on the Registered Not Paid Report. Leave blank for today; enter in date format DD-MON-YYYY.	
Address Hierarchy	Yes	Enter the address type to be printed on the Registered Not Paid report; multiple requests are permitted and must be entered in priority sequence. For example, 1MA 2PR will first print the mailing address, and if none is found, will print the permanent address. Enter each parameter then hit	Address Type Code Validation Form (STVATYP)

Parameter Name	Required?	Description	Values
		return for the next prompt.	
Third Party Exempt Indicator	Yes	When this parameter is set to Y, and third party contract memos exist for the student for the term, the student will be exempt from the deletion process. When this parameter is set to N, the student is not exempt and will be processed, even if potential payments exist.	Y - Exempt N - Not exempt
Effective Date of Drop	No	Enter the date of the drop in DD-MON-YYYY format for the effective date that is to be recorded in TBRACCD. If this parameter is left blank, the original effective date on the transaction(s) being reversed will be used. If you want to use the system date for processing, you must enter that date.	

Student Schedule Report (SFRSCHD)

This process generates the student schedule for the term. It can be requested online through the Student Course Registration Form (SFAREGS) or in batch through this process.

You may also print a student's schedule as part of the combined schedule/bill. Refer to the Banner Accounts Receivable User Guide for information on the Student Invoice/Billing Statement (TSRCBIL).

Note: If SFRSCHD is run directly from SFAREGS using sleep/wake processing, the open learning processing is not used.

Courses selected for printing in SFRSCHD are determined solely by the value of the Print on Schedule check box associated with course statuses on STVRSTS. Any course registration status codes (registered, dropped, withdrawn, etc.) where the Print on Schedule check box is checked will be printed.

- A student schedule will be printed if a registration term header record exists (SFBETRM), regardless of the student's enrollment status (STVESTS) or whether any course registration records exist. If no course registration records exist, the message ** NO ENROLLMENT RECORDS EXIST FOR STUDENT ** will be printed in the output.
- If a student has no course registration records, or if all of the existing course registration records for a student have course registration status codes that do not have the Print on Schedule check box checked on STVRSTS, then no schedule will be printed for the student if SFRSCHD is run with the ID Number parameter set to an individual student ID or set to COLLECTOR.
- A schedule will be printed for the student if all students are requested for a process term (the ID Number parameter is blank), or if the student is included in a population selection that is requested. In those cases, the message * * NO ENROLLMENT RECORD EXISTS FOR STUDENT * * will appear in the output.

The start and end dates are used to isolate all registration records in a range. For traditional courses (which are assigned to a part-of-term), the part-of-term start date associated with the section is used to determine inclusion. For open learning courses, the start date of the original SFRAREG record for the student is used.

Actual course dates for traditional sections are printed on the report as follows:

- The start date for a traditional section will print the `SSRMEET_START_DATE(s)` associated with the meeting time(s).
- The end date for a traditional section will print the `SSRMEET_END_DATE(s)` associated with the meeting time(s).
- If no meeting times are defined for a traditional section, the start date will print the `SSBSECT_PTRM_START_DATE`, and the end date will print the `SSBSECT_PTRM_END_DATE`. If those dates are Null on SSBSECT, the `SOBPTRM_START_DATE` and the `SOBPTRM_END_DATE` will be printed.

Actual course dates for open learning sections are printed on the report as follows:

- The start date for all open learning sections will print the `SFRAREG_START_DATE` from the "0" extension record.
- The end date for all open learning sections will print the `SFRAREG_COMPLETION_DATE` for the maximum extension records that exist.
- Dates associated with meeting time records, if they exist, are not printed for open learning courses.

If you need to isolate a portion of a term for processing, enter either a valid term or a wildcard (%) to search all terms. The wildcard feature is only permitted if start and end dates are also entered. In this instance, only registration records in a particular term matching the date range entered would be selected.

Term	Date Range	Results
Fall 1999		All registration records for the Fall 1999 term would be selected.
Fall 1999	01-SEP-1999 to 30-NOV-1999	All registration records with a registration start date between the date range (inclusive) for the Fall 1999 term would be selected.
%	01-SEP-1999 to 30-NOV-1999	All registration records with a registration start date between the date range (inclusive), regardless of term, would be selected.

You can run SFRSCHED using Sleep/Wake Method One. Note that while the execution of processes from the command line is no longer supported, processes that run in sleep/wake, including SFRSCHED, are supported.

Refer to the Banner General Technical Reference Manual for information about the various components of sleep/wake processing. Sleep/Wake Method One requires that the `.dat` response file must be constructed in the order in which the parameters are prompted for when running SFRSCHED from the command line. This order is different than the order of the parameters displayed in job submission (GJAPCTL).

Refer to the topic "Setting Up Sleep/Wake Processes" in the "Registration" chapter in the Banner Student User Guide to see a sample `.dat` file for SFRSCHED when using Sleep/Wake Method One.

SFRSCHED Output Notes

- If the report is run for a single term, and the open learning parameters are set to `N`, the report prints in the one line per course format, unless there are multiple meeting times/instructors.
- If the report is run for multiple terms, (and the Process Term parameter is set to `%`, which requires a date range), or if any of the open learning parameters are set to `Y`, a second line is generated. The course title prints below the detail line.
- If the ID Number parameter is set to `COLLECTOR`, term is irrelevant. A single term code or a term value of `%` can be entered, and the date range is ignored, if entered. As mentioned above, if the open learning parameters are set to `N`, the report prints in the one line per course format.
- Meeting type (GTVMTYP) prints on all reports, except on the one line per course format. This includes running the report for multiple terms and using the open learning parameters.
 - If no meeting records (days, times, building, room) are defined for an open learning section, N/A is printed on the report output.
 - If meeting building and room information exists without start and end times, TBD is printed under the TIME heading.
 - If meeting time information exists without building or room information, TBD is printed under the BUILD and ROOM headings.

- If meeting information exists without instructors, STAFF is printed under the INSTRUCTOR heading.
- If the Print Long Section Title parameter is set to Y, the title wraps in chunks of 40 characters (40, 40, 20).

Parameter Name	Required?	Description	Values
ID Number	No	To request a specific schedule, enter that person's ID number, enter a Null value to request all IDs, or enter the word COLLECTOR to process all students in the collector file.	
Process Term	Yes	Enter the term code representing the term for which schedules are to be printed, or enter % to process schedules for multiple terms. Term records are stored in the SFRCBRQ collector table. You can print schedules for multiple terms using a single sleep/wake process by entering % in this parameter and entering COLLECTOR in the ID Number parameter.	Term Code Validation Form (STVTERM)
Start Range From Date	No	Enter the start date for which registration records are to be processed. The term is displayed on the report for the registration record for use with the registration start date information.	
Start Range To Date	No	Enter the end date for which registration	

Parameter Name	Required?	Description	Values
		records are to be processed.	
Schedule Type (% for all)	Yes	<p>Enter the schedule type code or codes for the sections to be processed, or enter % for all. The default is %.</p> <p>For example, you could select all sections with a schedule type of self-paced.</p>	Schedule Type Code Validation Form (STVSCHD)
Instructional Method (% for all)	No	<p>Enter the instructional method or methods for the sections to be processed, or enter % for all. The default is %.</p> <p>For example, you could select all sections with an instructional method of Web-based.</p>	Instructional Method Validation Form (GTVINSM)
Address Selection Date	No	Which address, effective on this date, do you want to print on the student schedules. Leave blank for today; enter in date format DD-MON-YYYY.	
Address Hierarchy	Yes	<p>Enter the address type to be printed on the student schedules; multiple requests are permitted and must be entered in priority sequence.</p> <p>For example, 1MA 2PR will first print the mailing address, and if none is found, will</p>	Address Type Code Validation Form (STVATYP)

Parameter Name	Required?	Description	Values
		print the permanent address. Enter each parameter, then hit Return for the next prompt. Returning with a null value will move you on to the next parameter.	
Printer	No	Enter the printer destination for schedules. This field is required when you are running this report for the collector file.	
Campus Processing Indicator	Yes	Enter Y to process specific campuses. Enter N to process all campuses.	Y - Print specific campuses N - Print all campuses
Campus	No	Enter the course campus for which the student schedules are to be produced. If the Campus Processing Indicator parameter is set to Y , then the Campus parameter is required.	Campus Code Validation Form (STVCAMP)
Selection Identifier	No	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Definition Rules Form (GLRSLCT). All or none of the population selection parameters must be entered.	Population Selection Inquiry Form (GLISLCT)

Parameter Name	Required?	Description	Values
Application Code	No	Enter the code that identifies the general area for which the selection identifier was defined. All or none of the population selection parameters must be entered. The Population Selection Extract Inquiry Form (GLIEXTR) may be used to review the people who will be processed in the load from the selection identifier and application code entered.	Application Inquiry Form (GLIAPPL)
Creator ID	No	Enter the user ID of the person who created the population rules. All or none of the population selection parameters must be entered.	
Run in Sleep/Wake Mode	No	Enter Y to start sleep/wake cycling for this process and printer.	Y - Use sleep/wake processing N - Do not use sleep/wake processing
Sleep Interval	No	Enter the time in seconds to process pauses before resuming execution. The lowest enterable value is 1. The highest enterable value is 999999.	
Print Long Section Title	Yes	Enter Y to print the long section title from the syllabus (SSRSYLN) or N to print the existing	Y - Print long section title N - Print existing course title

Parameter Name	Required?	Description	Values
		course title from the section (SSBSECT) or from SCBCRSE if the section title is null. The default is N.	
Print Schedule Type	Yes	Enter Y to print the schedule type code for the section on the output or N to not print the code. The default is N. This parameter allows institutions using pre-printed forms to control the presentation of the data on the report.	Y - Print schedule type N - Do not print schedule type
Print Instructional Method	Yes	Enter Y to print the instructional method code for the section on the output or N to not print the code. The default is N. This parameter allows institutions using pre-printed forms to control the presentation of the data on the report.	Y - Print instructional method N - Do not print instructional method
Print Reg Start/End Dates	Yes	Enter Y to print the registration start and end dates (the original registration start date and the most current expected completion date) for the section on the output or N to not print the dates. The default is N. This parameter allows institutions using pre-printed forms to control the	Y - Print registration start and end dates N - Do not print dates

Parameter Name	Required?	Description	Values
		presentation of the data on the report.	
Print Control Report	Yes	Enter Y to print a control report page or N to not print a control report page. The default is N.	Y - Print control page N - Do not print control page

Class Roster Report (SFRSLST)

This process produces a hard copy of the class roster which is used as a class list representing all students in a section who have a course registration status for the section with the following criteria.

- Count in Enrollment check box selected (set to Y)
- Gradable Indicator check box selected (set to Y)
- if you have a default grade on the Course Registration Status Code Validation Form (STVRSTS) with the Gradable Indicator check box selected (set to Y)
- the student is waitlisted (has a registration status with the Waitlist Indicator check box selected on STVRSTS)

Waitlisted students are displayed separately from students who are actually enrolled.

When run with the Run Mode parameter set to U (Update), the names displayed online on SFASLST will be re-sequenced alphabetically. Students registering after the Class Roster is run will appear at the bottom of the list until the next time this process is run with the Run Mode parameter set to U (Update). When run with the Run Mode parameter set to R (Report), Class Roster reports can be produced during periods of heavy system usage without impacting performance, because this option does not update SFRSTCR.

The Class Roster is also used as the grade collecting and recording mechanism. Mid-term and final grades can be collected on the Class Roster and then must be entered into Banner through the Class Roster Form (SFASLST) to be rolled into academic history.

The start from and to dates are used to isolate all registration records in a range. For traditional courses (which are assigned to a part-of-term), the part-of-term start date associated with the section is used to determine inclusion. For open learning courses, the start date of the original SFRAREG record for the student is used.

If you need to isolate a portion of a term for processing, enter either a valid term or a wildcard (%) to search all terms. The wildcard feature is only permitted if start From and To dates are also entered. In this instance, only registration records in a particular term matching the date range entered would be selected. Also, if a specific part-of-term is entered, records meeting the date requirements are selected. A valid term must be entered to also have the associated part-of-term.

Term	Part-of-Term	Date Range	Results
Fall 2002			All registration records with a registration start date between the date range (inclusive) for the Fall 2002 term would be selected.
Fall 2002	1		All registration records for the Fall 2002 term for sections assigned a part-of-term code of 1 would be selected.
Fall 2002	%	01-SEP-2002 to 30-NOV-2002	All registration records with a registration start date between the date range (inclusive), for the Fall 2002 term, would be selected.
%	1	01-SEP-2002 to 30-NOV-2002	Not permitted.
Fall 2002	1	01-SEP-2002 to 30-NOV-2002	All registration records for the Fall 2002 term for sections assigned a part-of-term code of 1 with a registration start date between the date range (inclusive) would be selected.
%	%	01-SEP-2002 to 30-NOV-2002	Not permitted.

Note: If no meeting records (days, times, building, room) are defined for an open learning section, N/A is printed on the report output.

Parameter Name	Required?	Description	Values
Report Title Override	No	The report title defaults to Class Roster, but it can be overridden by another title such as Final Grade Roster, for example. If a specific title is desirable, key the appropriate title, up to 30 characters.	
Term	Yes	Enter the term code representing the term	Term Code Validation Form (STVTERM)

Parameter Name	Required?	Description	Values
		for which rosters are to be produced.	
Part-of-Term	Yes	Enter the value representing the part of term for which rosters are to be produced (single entry) or % for all.	Part of Term Code Validation Form (STVPTRM)
Start Range From Date	No	<p>Enter the start date for which registration records are to be processed.</p> <p>For traditional registration records, this corresponds to a part-of-term start date housed on the additional registration record on SFRAREG.</p> <p>For open learning registration records, this corresponds to the student-selected start date housed on the additional registration record on SFRAREG.</p> <p>The term is displayed for the registration record for use with the registration start date information.</p>	
Start Range To Date	No	<p>Enter the end date for which registration records are to be processed.</p> <p>For traditional registration records, this corresponds to a part-of-term start date housed on the additional registration record on SFRAREG.</p> <p>For open learning registration records,</p>	

Parameter Name	Required?	Description	Values
		this corresponds to the student-selected start date housed on the additional registration record on SFRAREG.	
CRN	Yes	Enter the CRN number of the section for which a roster is to be produced (single requests only); enter % for all sections for the term.	
No Grade Report Option	Yes	If a Y is entered, a class roster will be printed only for the CRNs that have missing grades. If N is entered, all CRNs are printed.	Y - Print roster for CRNs with missing grades N - Print all CRNs
Sort Option	Yes	Enter I to print rosters in instructor name order, or C to print rosters in college, division, department order.	I - Instructor name order C - College, Division, Department order
Campus	Yes	Enter the campus for which the class roster is to be printed, or enter % to select all campuses.	Campus Code Validation Form (STVCAMP).
Schedule Type (% for all)	Yes	Enter the schedule type code or codes for the sections to be processed, or enter % for all. The default is %. For example, you could select all sections with a schedule type of self-paced.	Schedule Type Code Validation Form (STVSCHD)
Instructional Method (% for all)	No	Enter the instructional method or methods for the sections to be processed, or enter % for all. The default is %. For example, you could select all	Instructional Method Validation Form (GTVINSM)

Parameter Name	Required?	Description	Values
		sections with an instructional method of Web-based.	
Registration Codes (% for all)	Yes	<p>Enter the registration code or codes to be processed, or enter % for all.</p> <p>For example, if the report should include students with a status of RE and waitlisted students, you would use this parameter. It is also possible to run this report for all dropped or withdrawn students or for any specialty status codes defined at your institution.</p>	Course Registration Status Code Validation Form (STVRSTS)
Degree Status Award Indicator	Yes	Enter the degree status for which the class roster is to be printed. Valid values are P for Pending, A for Awarded, or % for All.	P - Pending A - Awarded % - All
Combine Cross-listed Sections	Yes	This parameter allows you to specify if all cross-listed courses should display on a single roster. Enter Y to print combined rosters of cross-listed sections. Enter N to individually print each section belonging to a cross list.	Y - Combined cross-lists N - Individual sections
Print Student Addresses	Yes	Enter A to print the student's address on the class roster. Enter P to print the student's address and the primary phone number associated with the address on the class roster. Enter N to print	A - Address P - Address and primary phone N - Neither

Parameter Name	Required?	Description	Values
		neither the student's address nor telephone number on the class roster.	
Address Selection Date	No	Enter the effective date for the address to be printed on the class roster for address selection. Enter the date in DD-MON-YYYY format. If left blank, the system date will be the default.	
Address Priority and Type(s)	No	Enter the address priority and type to be printed on the class roster. Multiple requests are permitted and must be entered in priority sequence. For example, 1MA 2PR will first print the mailing address, and if none is found, will print the permanent address. Enter each parameter, then hit Return for the next prompt. Returning with a null value will move you to the next parameter.	Address Type Code Validation Form (STVATYP)
Primary Instructors Only	No	Enter Y to produce a single class roster listing the names of all instructors. Enter N or a null value to produce a class roster for each of the instructors who is assigned to teach the class. An N will also print rosters with no instructors assigned. This will produce multiple copies of the class roster. Instructors will	Y - Single class roster of instructors N or Null - Roster of instructors assigned to teach class and roster of classes when no instructors assigned

Parameter Name	Required?	Description	Values
		print in alphabetical order.	
		If no instructors are associated with a course, and a Y is entered, you will not receive a roster.	
Print Long Section Title	Yes	Enter Y to print the long section title from the syllabus (SSRSYLN) or N to print the existing course title from the section (SSBSECT) or from SCBCRSE if the section title is null. The default is N.	Y - Print long section title N - Print existing course title
Run Mode	Yes	Enter U to produce a Class Roster report and to update the class sort key for the CRN on SFRSTCR or R to create a Class Roster report that does not update SFRSTCR. The default is U.	U - Create roster and update SFRSTCR R - Create roster but do not update SFRSTCR

Enrollment Verification Report (SFRENRL)

This process produces the enrollment verification reports which were processed using the Enrollment Verification Request Form (SFARQST) or selected using the population selection parameters.

You can specify the number of copies of the enrollment verification that are to be printed on SFARQST. Term, registration date, or academic year information from SFARQST is used to determine the term information that is included in the report.

The report processes information based on terms that are part of student centric periods. Enrollment dates, attendance information, enrollment history, and course summary information are printed as student centric period data.

If an academic year is entered in SFARQST, the enrollment verification process examines the terms in the academic year specified in the request to find the earliest term record for the learner in which any records exist as follows, and begins printing the terms for the report commencing with that term and including only the terms within that academic year:

- SGBSTDN - general student
- SFBETRM - student registration
- SHRTCKN - institutional term course maintenance

If no such data exists within the specified academic year, then no enrollment verification report will be printed.

If no academic year is entered in SFARQST, the enrollment verification will be produced only for the term entered in the Key Block, which will be the term used to process the request.

Parameter Name	Required?	Description	Values
Student ID	Yes	To request that the verification on a specific student be processed, enter that person's ID number, or enter % to request all IDs which are in the collector file.	
Enrollment Request Type	No	Enter the enrollment request type for which the verification is to be processed. If all types are to be processed, enter a Null value.	Enrollment Verification Type Code Validation Form (STVEPRT)
Address Type	Yes	Enter the address type for which the verification is to be processed.	Address Type Code Validation Form (STVATYP)
Select Credit Type to Print	Yes	Enter the credit hours type, (E) Earned or (A) Attempted, to be printed on the report.	E - Print earned hours A - Print attempted hours
Print Enrollment Request Type	No	Enter Y to have the enrollment request type printed on the report Enter a Null value or N to prevent the enrollment request type from printing.	Y - Print enrollment request type N - Do not print enrollment request type
Printer	No	Enter the printer destination for the enrollment verifications.	
Selection Identifier	No	Enter the code that identifies the population with which	Population Selection Inquiry Form (GLISLCT)

Parameter Name	Required?	Description	Values
		you want to work. The selection identifier must be defined on the Population Selection Definition Rules Form (GLRSLCT). All or none of the population selection parameters must be entered.	
Application Code	No	Enter the code that identifies the general area for which the selection identifier was defined. All or none of the population selection parameters must be entered. The Population Selection Extract Inquiry Form (GLIEXTR) may be used to review the people who will be processed in the load from the selection identifier and application code entered.	Application Inquiry Form (GLIAPPL)
Creator ID	No	Enter the user ID of the person who created the population rules. All or none of the population selection parameters must be entered.	
Time Status Calc Credit Type	Yes	Enter the credit hours type (E) Earned or (A) Attempted, to be used for the enrollment history time status calculation.	E - Print earned hours A - Print attempted hours
Print Birth Date	Yes	Enter Y to print the student's birth date or N to not print the birth date.	Y - Print birth date N - Do not print birth date

Parameter Name	Required?	Description	Values
		The default is N. This parameter allows you to keep this information confidential, unless the student gives you permission to distribute it.	
Print Long Section Title	Yes	Enter Y to print the long section title from the syllabus (SSRSYLN) or N to print the existing course title from the section (SSBSECT) or from SCBCRSE if the section title is null. The default is N.	Y - Print long section title N - Print existing course title
Print Reg Start/End Dates	Yes	Enter Y to print the registration start and end dates (the original registration start date and the most current expected completion date) for the student or N to not print the dates. The default is N.	Y - Print registration start/end dates N - Do not print registration start/end dates
Web Self-Service Options	No	Enter the Web self-service option codes to be used to process the request.	Web Self Service Options Validation Form (STVWSSO)
Web Payment Options	No	Enter the Web payment option codes to be used to process the request.	Web Payment Options Validation Form (STVWPYO)
Use Request Cutoff Term	Yes	Enter Y to request that a cutoff term be used or N to not request that a cutoff term be used. The default is N.	Y - Use cutoff term N - Do not use cutoff term

Parameter Name	Required?	Description	Values
Request Cutoff Term	No	<p>When the Use Request Cutoff Term parameter is set to Y, enter the term to be used as the cutoff term for processing.</p> <p>If the Use Request Cutoff Term parameter is set to Y, and a cutoff term is specified, only learners with registration terms (or terms where academic year is specified) that are less than the specified cutoff term will be printed.</p> <p>For example, when a registration drop or add has been completed, you can redefine the cutoff term, or you can set the Use Request Cutoff Term parameter to N, and remove the term from the Request Cutoff Term parameter.</p>	Term Code Validation Form (STVTERM)
Process by Student Period	Yes	Enter Y to process enrollment by student centric periods or N to not process enrollment by student centric periods. The default is N.	<p>Y - Use student centric periods</p> <p>N - Do not use student centric periods</p>

Enrollment Verification Request Purge Process (SFPENRL)

This process purges the enrollment verification requests which were previously requested.

Parameter Name	Required?	Description	Values
Date requested	Yes	Enter the date for which the enrollment	

Parameter Name	Required?	Description	Values
		verification purge is to take place.	
Request Type	No	Enter the enrollment request type for which the purge is to be processed.	Enrollment Verification Type Code Validation Form (STVEPRT)
Run Mode	Yes	Enter an A to indicate that the process is to be run in Audit mode. Running in Audit mode produces an audit report without updating the database. Enter a U to indicate that the process is to be run in Update mode. Running in Update mode removes the information from the database and produces the report.	A - Audit mode U - Update mode

Registration Purge Process (SFPREGS)

This process, sorted by student name, lists registrations, and optionally time status history records, which are purged.

A total number of students processed and a total number of registrations and class roster records deleted is also provided on the report. The process may be run in either Audit mode for review, or Update mode to purge eligible records. When the SFRSTCR records are purged, the associated SFRAREG records are also deleted. This prevents the creation of orphan records.

Note: The purge process will bypass Elevate registration records based on the integration partner code. When the `SSBSECT_INTG_CDE` field on `SSASECT` is set to `ELEV8`, the record is not considered by the purge.

Registration and time status history records will not be purged if an outstanding fee assessment record exists in the Batch Fee Assessment Collector Table (SFRBTCH) for the student for the purge term. If a student's information cannot be purged because fee assessment is pending, the message `OUTSTANDING FEE ASSESSMENT PREVENTS DELETE` will be printed in the report output. Run the Batch Fee Assessment Process (SFRFASC) with the Batch Type parameter set to `C` (Collector) to process outstanding registration assessments.

Registration and time status history records will be deleted in Update mode even if some or all of the following conditions exist:

- a gradable section has not been graded

- a non-gradable section has a grade
- the student has a course with a non-gradable status
- a grade has not been rolled to history
- the registration fee has not been accepted

The process should be run in Audit mode before Update, to review these errors and take any necessary action before purging the records.

Note: Be aware that all results of the student's coursework will be deleted during the purge, and if no paper copy of this information is kept, this information will be lost.

Note: If registration records are purged, but time status history records are not purged, time status records will no longer be accessible to display online in the Student Course Registration Form (SFAREGS).

Component and sub-component records should only be purged for those registration records that are eligible to be purged as a result of existing logic (not graded and not rolled to academic history). This processing prevents the existence of orphaned component and sub-component records. Component records should not be purged if it is required that sub-components records be kept.

- The Purge Component Records parameter is required and can be set to **Y** to purge component records or **N** to not purge component records. The default value is **N**.
- The Purge Sub-Component Records parameter is required and can be set to **Y** to purge sub-component records or **N** to not purge sub-component records. The default value is **N**.
- When both parameters are set to **Y**, component and sub-component records are purged. Messages are displayed on the report for the student (Component Information and Sub-Component Information), and the number of records purged for components or sub-components.
- When both parameters are set to **N**, neither component nor sub-component records are purged. A message is displayed on the report for the student: NO COMPONENT/SUB-COMPONENT RECORDS PURGED.
- When the Purge Component Records parameter is **Y** and the Purge Sub-Component Records parameter is **N**, component records are purged. A message is displayed on the report for the student (Component Information), and the number of records purged for components.
- When the Purge Component Records parameter is **N** and the Purge Sub-Component Records parameter is **Y**, sub-component records are purged. A message is displayed on the report for the student (Sub-Component Information), and the number of records purged for sub-components.

The 'start from' and 'to' dates are used to isolate all registration records in a range. For traditional courses (which are assigned to a part-of-term), the part-of-term start date associated with the section is used to determine inclusion. For open learning courses, the start date of the original SFRAREG record for the student is used.

If you need to isolate a portion of a term for processing, enter either a valid term or a wildcard (%) to search all terms. The wildcard feature is only permitted if start from and to dates are also entered. In this instance, only registration records in a particular term matching the date range entered would be purged.

Term	Date Range	Results
Fall 1999		All registration records for the Fall 1999 term would be purged.
Fall 1999	01-SEP-1999 to 30-NOV-1999	All registration records with a registration start date between the date range (inclusive) for the Fall 1999 term would be purged.
%	01-SEP-1999 to 30-NOV-1999	All registration records with a registration start date between the date range (inclusive), regardless of term, would be purged.

Parameter Name	Required?	Description	Values
Purge Term	Yes	Enter the term code which is to be purged of registration information.	Term Code Validation Form (STVTERM)
Start Range From Date	Yes	Enter the start date for which registration records are to be purged.	
Start Range To Date	Yes	Enter the end date for which registration records are to be purged.	
Report Type	No	Enter the type of purge to be processed. Either students with errors will be purged, or all students will be purged.	
Run Mode	Yes	Enter an A to indicate that the process is to be run in Audit mode, which purges no records. Enter a U to run in Update mode, which purges the registration data.	A - Audit mode U - Update mode

Parameter Name	Required?	Description	Values
Purge Time Status History	Yes	Enter Y to purge time status history records. Enter N to bypass the purge of time status history records.	Y - Purge time status history records N - Bypass purge
Purge Component Records	Yes	Enter Y to purge component records. Enter N to bypass the purge of component records. The default value is N .	Y - Purge component records N - Bypass purge
Purge Sub-Component Records	Yes	Enter Y to purge sub-component records. Enter N to bypass the purge of sub-component records. The default value is N .	Y - Purge sub-component records N - Bypass purge
Purge Audit Records	Yes	Enter Y to purge registration audit trail records Enter N to not purge the records. The default is N .	Y - Purge registration audit trail records N - Bypass purge

Waitlist Enrollment Purge (SFPWAIT)

This process removes the waitlist enrollment information for those students who could not be placed in the class section. It also adjusts the waitlist counts on the Schedule Form (SSASECT).

It should be run after the end of the drop/add period after all enrollment data has been processed for the term. A report, sorted by student name, will list the waitlist enrollments which are purged. A total number of students processed and a total number of enrollments deleted is also provided on the report. Multiple parts-of-term may be purged. Expired notifications can also be purged for the term or part-of-term and registration status.

The process uses the course statuses defined on the Course Registration Status Code Validation Form (STVRSTS). Only those course statuses with the Waitlist Indicator check box selected (set to Y) and the Count in Enrollment and Count in Assessment check boxes not selected (set to N) will be acceptable for processing.

Parameter Name	Required?	Description	Values
Purge Term	Yes	Enter the term code for which waitlist enrollments are to be purged.	Term Code Validation Form (STVTERM)
Part-of-Term	Yes	Enter the part of term code for which the waitlist enrollments are to be purged. Multiple parts of term codes can be entered or a % can be used to indicate that all parts of term within the purge term are to be processed. The default is %.	Part of Term Code Validation Form (STVPTRM)
Status	Yes	Enter the waitlist status codes to be deleted. Only those statuses with the Waitlist Indicator checked (set to Y) and the Count in Enrollment and Count in Assessment checkboxes unchecked (set to N) on the Course Registration Status Code Validation Form (STVRSTS) are available for processing. WL is the default. Multiple waitlist statuses may be entered. % is not a valid selection parameter.	Course Registration Status Code Validation Form (STVRSTS)
Audit or Update Option	Yes	Enter an A to indicate that the process is to be run in Audit mode. Running in Audit mode produces an audit report without	A - Audit mode U - Update mode

Parameter Name	Required?	Description	Values
		updating the database. Enter a U to indicate that the process is to be run in Update mode. Running in Update mode removes the information from the database and produces the report.	
Purge All Expired Notifications	Yes	Enter Y to purge all expired waitlist notifications for the term or part-of-term or N to not purge expired notifications. The default is N. The Audit or Update Option parameter must set to U (Update) to use this option.	Y - Purge all expired notifications N - Do not purge expired notifications

Course Request Load Process (SFPBLCK)

This process defaults the CRNs of a student's block code to the selected student's record on the Student Course Request Form (SFACREQ) for the effective term and tracks student populations by block schedule codes for effective and report terms.

Parameter Name	Required?	Description	Values
Selection Identifier	Yes	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Definition Rules Form (GLRSLCT). All or none of the population selection parameters must be entered.	Population Selection Inquiry Form (GLISLCT)
Application Code	Yes	Enter the code that identifies the general area for which the selection identifier was	Application Inquiry Form (GLIAPPL)

Parameter Name	Required?	Description	Values
		defined. All or none of the population selection parameters must be entered.	
		The Population Selection Extract Inquiry Form (GLIEXTR) may be used to review the people who will be processed in the load from the selection identifier and application code entered.	
Creator ID	Yes	Enter the user ID of the person who created the population rules. All or none of the population selection parameters must be entered.	
Report Term	Yes	Enter the code representing the term for which the report is to be run. This is the term that will be used in headers and student selection.	Term Code Validation Form (STVTERM)
Effective Term	Yes	Enter the effective term of the general student record to be scanned to a matching block code.	Term Code Validation Form (STVTERM)
Block Schedule Code	Yes	Enter the block schedule code to be used to create sections as input to batch scheduling.	Block Schedule Code Validation Form (STVBLCK)

Unsatisfied Links Report (SFRLINK)

This report produces a list of students who have unsatisfied or missing section links for a term.

This report will find sections with missing links only if links were not checked at the time of registration, when `No Check` is selected for the Links radio group on the Registration Error Checking window of the Term Control Form (SOATERM).

Parameter Name	Required?	Description	Values
Term	Yes	Enter the term code representing the term for which the unsatisfied linking is to be checked.	Term Code Validation Form (STVTERM)

Clearinghouse Extract Report (SFRNSLC)

This report extracts student enrollment information for the purpose of reporting to the National Student Clearinghouse (NSC).

The report should first be run in the Report of Missing/Invalid Data mode, and then run in either the EDI or EDI.Smart mode to create the extract file. All errors must be corrected, and the Report of Missing/Invalid Data may be run as many times as needed, to diagnose and resolve problems with the data.

When all data problems have been resolved, the message `No invalid or missing student data found for the <term code> term.` will print on the report output. Some informational messages may appear on the report output, when all missing data or data that is not valid, has been corrected or resolved. Only institutions that have licensed EDI.Smart and have made arrangements with the Clearinghouse to transmit the extract file with EDI.Smart should select that Run mode option.

SFRNSLC is run by term using the Process Term parameter. When SFRNSLC is run with the Process by Student Period parameter set to `Y`, the process checks the rules on SOASCPT to determine which student centric period includes the value entered in the Process Term parameter as the last term. The data comes from the SFASTSR and SFASCPR forms. All term codes that are part of the student centric period are considered, as is the order in which the terms fall within the student centric period. When SFRNSLC is run for a single term, the data comes from the SFATMST form.

The report uses the Third Party Withdrawal Indicator on STVESTS to determine students who have withdrawn. When the Third Party Withdrawal Indicator is selected for the student's enrollment status code, the student will be reported as a withdrawn student to the NSLDS through the NSLDS SSCR Process (SFRSSCR) or the NSC through the Clearinghouse Extract Report (SFRNSLC). When the indicator is not selected, the SFRNSLC report will not consider the student as withdrawn and will report the last time status for the student.

Students who begin a term in a degree seeking program and change to a non-degree seeking program mid-term will be reported as withdrawn from the degree seeking program in the term for which the change was made. During the term in which the change from degree to non-degree seeking is made, the student will be reported with the Program Indicator set to `Y`, the program level information for the degree program will be reported as withdrawn and include the withdrawal date. Additionally, no program information will be sent for the non-degree seeking program. After the term in which the change to a non-degree seeking program was made has ended, the student

will be reported with the Program Indicator set to N and no program level information will be reported for the student. Campus level information will continue to be reported.

The report uses the Third Party Report Indicator on STVLEAV to select the leave of absence codes for the student. When the indicator is checked, the report will select leave of absence codes from the general student record to report the leaves to third parties.

The Create Summary parameter is used to produce a summary report/overview of the data to be transmitted to the NSC. This summary can be used to easily view student information such as:

- names
- Banner IDs
- SSNs
- dates of birth
- enrollment statuses
- term start and end dates
- graduation dates

This file is created in addition to the pipe-delimited files, and the missing data report or data report that is not valid, that are produced by SFRNSLC.

The files created by SFRNSLC are handled as follows:

- When SFRNSLC is run through job submission (GJAPCTL), three files are created and stored in the job submission directory:
 - sfrnslc_oneup#.log
 - sfrnslc_oneup#.lis
 - sfrnslc_oneup#.txt
- The `sfrnslc_oneup#.log` and `sfrnslc_oneup#.lis` files are viewable on the GJIREVO form.
- The `sfrnslc_oneup#.txt` file can be found in the job submission directory.

When the Run Mode parameter is set to 1 (Report of Missing/Invalid Data), no output is created for the pipe-delimited data file (`.txt`). Only the error report (`.lis`) is created with a control page and a `.log` file.

When the Run Mode parameter is set to 2 (EDI TS190) or 3 (EDI.Smart TS190), and the Create Summary Report parameter is set to Y, (create a summary report for Run Modes 2 (EDI TS190) and 3 (EDI.Smart TS190)), the summary report is created (`.lis`) with a control page. The pipe-delimited file is created (`.txt`), and a `.log` file is created.

When the Run Mode parameter is set to 2 (EDI TS190) or 3 (EDI.Smart TS190), and the Create Summary Report parameter is set to N, (do not create a summary report for Run Modes 2 (EDI TS190) and 3 (EDI.Smart TS190)), the summary report is created (`.lis`) with the message: Summary Report Not Requested, and a control page is printed. The pipe-delimited file is created (`.txt`), and a `.log` file is created.

Parameter Name	Required?	Description	Values
Term Code	Yes	Enter the registration enrollment term for the report/extract.	Term Code Validation Form (STVTERM)
Student Attributes to Exclude	No	<p>Enter the student attributes that will identify enrolled (registered) students for the term who should not be included in reporting to the Clearinghouse.</p> <p>If specific students who have registration term header records for the term of the report should not be included in the extract, a specific student attribute (Student Attribute Validation Form (STVATTS)) should be assigned to those students on the Additional Student Information Form (SGASADD).</p> <p>The Clearinghouse reporting term should fall between the effective term start and end range for the attribute.</p>	Student Attribute Validation Form (STVATTS)
Report Flag	Yes	<p>Enter Y to select a standard report. Enter N to select a non-standard report.</p> <p>Non-standard reports are submitted only for specific occasions, such as a summer term or a graduation report.</p>	<p>Y - Standard report</p> <p>N - Non-standard report</p>
Address Hierarchy	Yes	Enter the address types for reporting address information	Address Type Code Validation Form (STVATYP)

Parameter Name	Required?	Description	Values
		for enrolled (registered) students.	
Report Date	Yes	<p>Enter the certification date for the report/ extract. This is the date that will be used to determine the enrollment status for registered students to be reported to the Clearinghouse.</p> <p>This date is used to find each student's time status on the certification date by selecting the maximum time status record less than or equal to the report date. Hours and minutes are stored with this date. If the current date default is overridden with a prior date, the current hours and minutes will be appended to the date. This date is also used in subsequent reports for the same term as the basis of determining whether a student's enrollment status has changed to a lower status from the last report submitted.</p>	
Run Mode	Yes	<p>Enter the appropriate run mode. Enter:</p> <ul style="list-style-type: none"> • 1 for Report of Missing/Invalid Data • 2 for EDI TS190 output • 3 for EDI.Smart TS190 output 	<p>1 - Report of Missing/ Invalid Data</p> <p>2 - EDI TS190</p> <p>3 - EDI.Smart TS190</p>

Parameter Name	Required?	Description	Values
		<p>Run mode 1 must be selected first, when preparing to report to the Clearinghouse and to print a report of missing data or data that is not valid. After correcting all missing data or data that is not valid, select either Run mode 2 or 3 to produce the extract file that is submitted to the Clearinghouse.</p> <p>Only institutions that have licensed EDI.Smart and have made arrangements directly with the Clearinghouse to transmit an EDI.Smart file should select Run mode 3.</p>	
Graduate Level Code	No	Enter the code for graduate level courses. For example, GR. Multiple codes may be entered.	Level Code Validation Form (STVLEVL)
Application Code	No	<p>Enter the code that identifies the general area for which the selection identifier was defined. All or none of the population selection parameters must be entered.</p> <p>The Population Selection Extract Inquiry Form (GLIEXTR) may be used to review the people who will be processed in the load from the selection identifier and</p>	Application Inquiry Form (GLIAPPL)

Parameter Name	Required?	Description	Values
		application code entered.	
Selection Identifier	No	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Definition Rules Form (GLRSLCT). All or none of the population selection parameters must be entered.	Population Selection Inquiry Form (GLISLCT)
Creator ID	No	Enter the user ID of the person who created the population rules. All or none of the population selection parameters must be entered.	
User ID	No	Enter the user ID for the population selection. This is the ID of the user who selected the population of people. This may or may not be the same as the Creator ID. All or none of the population selection parameters must be entered.	
Effective Withdrawal Date	Yes	Enter Y to select the effective withdrawal date from the student withdrawal record (SFRWDRL_EFF_WDRL_DATE) if one exists for term, otherwise the date from the enrollment record (SFBETRM_ESTS_DATE) will be used. Enter N to select the date from the enrollment record	Y - Use date from SFRWDRL N - Use date from SFBETRM

Parameter Name	Required?	Description	Values
		(SFBETRM_ESTS_DATE). The default is N.	
Branch Code	No	<p>Enter the two digit numeric branch code to be associated with the header record and individual records when transmitted in the file to third party agencies. If left blank, 00 will default.</p> <p>The Branch Code parameter value and the FICE Code parameter value (or the SHACTRL default) are used when constructing the value for the ENT 02 segment (DOE assigned School Identification Number including branch code). If your institution is using a branch code, you must enter the value in the Branch Code parameter, even if it is also included in the OPEID parameter.</p>	
Create Summary Report	Yes	<p>This parameter allows you to produce a summary of the data being transmitted.</p> <p>Enter Y to create a Summary Report for Run Modes 2 (EDI TS190) and 3 (EDI.Smart TS190). Enter N to not create a summary report. The default is Y.</p> <p>This summary output shows all students included in the EDI</p>	<p>Y - Create summary for Run Modes 2 and 3</p> <p>N - Do not create summary report</p>

Parameter Name	Required?	Description	Values
		output file and has a suffix of <code>.lis</code> .	
		Run Mode 1 will produce the Report of Missing/Invalid Data, regardless of the value selected for this parameter.	
FICE Code	No	Enter the institutional FICE code to be associated with the header record and individual records when transmitted in the file to third party agencies. If no code is entered, the institutional FICE code from SHACTRL will be used. If no code exists on SHACTRL, 000000 will default.	
		When the Run Mode parameter is set to 2 or 3, the FICE code must exist on SHACTRL when SFRNSLC is run, or it must be entered here. If no FICE code is provided for Run Modes 2 or 3, the value will default to 000000, and the process will terminate with an error.	
Major 1 and CIP Code	N/A	This parameter is no longer used.	
Major 2 and CIP Code	N/A	This parameter is no longer used.	
Email Address	No	Enter Y to include the email address in the extract. Leave blank to not include this data. The default is Null.	Y - Include email address Null - Do not include

Parameter Name	Required?	Description	Values
		<p>The email address reported is determined by the following criteria:</p> <ul style="list-style-type: none"> • If one email address exists, it is reported. • If multiple email addresses exist, the preferred email address is reported. (The Preferred check box is checked on SPAIDEN.) • If multiple email addresses exist, and none are designated as preferred, no email address is reported. <p>Used with Run Mode 2 or 3.</p>	
Gender	No	<p>Enter Y to include the gender in the extract. Leave blank to not include this data. The default is Null.</p> <p>When Y, the value of the SPBPERS_SEX column is used. When the SPBPERS_SEX column is set to N, that is reported as U.</p> <p>Used with Run Mode 2 or 3.</p>	<p>Y - Include gender</p> <p>Null - Do not include</p>
Race	No	<p>Enter Y to include the race in the extract. Leave blank to not include this data. The default is Null.</p>	<p>Y - Include race</p> <p>Null - Do not include</p>

Parameter Name	Required?	Description	Values
		<p>When set to Y, the value of the STVETHN EDI EQUIV column is reported where the value of the SPBPERS_ETHN_CODE column is equal to the value of the STVETHN_CODE column.</p> <p>Used with Run Mode 2 or 3.</p>	
Class Level	No	<p>Enter Y to include the class level in the extract. Leave blank to not include this data. The default is Null.</p> <p>An NSC class level translation equivalent must be set up for each class level code on STVCLAS using the NSC Class Level Translation field.</p> <p>Used with Run Mode 2 or 3.</p>	<p>Y - Include class level</p> <p>Null - Do not include</p>
Banner ID	No	<p>Enter Y to include the Banner ID in the extract. Leave blank to not include this data. The default is Null.</p> <p>Used with Run Mode 2 or 3.</p>	<p>Y - Include Banner ID</p> <p>Null - Do not include</p>
SSN	No	<p>Enter Y to include the SSN in the extract. Leave blank to not include this data. The default is Y.</p> <p>The SSN data is required by the NSC for federal compliance reporting. Questions</p>	<p>Y - Include SSN</p> <p>Null - Do not include</p>

Parameter Name	Required?	Description	Values
		<p>concerning whether the SSN is required by your institution should be submitted to the NSC.</p> <p>When the SPBPERS_SSN field is Null, NO SSN is printed on the output.</p> <p>Used with Run Mode 2 or 3.</p>	
Report Start and End Dates	No	<p>Enter Y to report the enrollment start and end dates by student for the term. Leave blank to not include this data. The default is Null.</p> <p>The process looks at the registration record for the student and reports the minimum start date and the maximum end date from all enrolled courses.</p> <p>Courses must have the Count in Enrollment indicator checked on STVRSTS for the course registration status code, and the student cannot be withdrawn.</p> <p>Used with Run Mode 2 or 3.</p>	<p>Y - Report enrollment dates</p> <p>Null - Do not report dates</p>
Process by Student Period	Yes	<p>Enter Y to process enrollment by a student centric period for the extract or N to not process enrollment by a student centric</p>	<p>Y - Use student centric period</p> <p>N - Do not use student centric period</p>

Parameter Name	Required?	Description	Values
		period. The default is N.	
OPEID	No	Enter the number for the OPEID where the enrollment is certified. This is the combined six-digit school code and the two-digit school location code.	If there is not a value for the OPEID, the data will not be included in the output file to send to NSLDS.
Citizenship	No	Enter Y to include citizenship data in the extract. Leave Null to not include the information. When set to Y, citizenship is reported based on the value in the STVCITZ_EDI_EQUIV column, where the value in the SPBPERS_CITZ_CODE column is equal to the value in the STVCITZ_CODE column.	
Nation Code	No	Enter the default EDI nation code to be used for processing student addresses. This value is used with the SPRADDR_NATN_CODE value is Null. When this parameter is blank, no default value is captured.	Nation Code Validation Form (STVNATN)
Previous Rpt Term and Sequence	N/A	This parameter is no longer used.	
Continuing Education Level	No	Enter the continuing education level code to be used for processing.	Level Code Validation Form (STVLEVL)
Remedial Course	No	Enter the remedial course attribute code to be used for processing.	Attribute Validation Form (STVATTR)

Parameter Name	Required?	Description	Values
		This parameter is used with Achieve the Dream reporting.	
Pell Grant	No	Enter the Pell Grant detail code to be used for processing. This parameter is used with Achieve the Dream reporting.	Detail Code Control Form (TSADETC)
User Final Date	No	Enter Y to use Final Exam Dates. This parameter will check CRN (SORFNCR) Section Finals End Dates, Parts of Term SORFNPT Finals End Dates and STVTERM dates. The maximum end dates from the comparison is reported. Enter N to process as normal. Default value is set to N. Courses must have the Count in Enrollment indicator checked on STVRSTS for the course registration status code. Used with Run Mode 2 or 3.	Y - Final Exam Dates Form (SOAFNDT). N - Process as normal. The process looks at the registration record for the student.
Use Curriculum Start/End Dates	No	Enter Y to use curriculum Start and End dates from	Y - Curriculum Start and End dates.

Parameter Name	Required?	Description	Values
		Curriculum or Field of Study	'N' - Process as normal.
		Enter N to process as normal.	
		Default value is set to N.	
		The parameter first checks for Field of Study Start and End Date, then the Curriculum Start and End Date, if neither exist the process leverages dates from STVTERM.	

Time Status Calculation Update Process (SFRTMST)

This process calculates student enrollment time statuses in batch mode and updates/inserts time status history records in preparation for reporting student enrollment data to the National Student Clearinghouse (NSC).

Students are selected for processing only if the current time status calculated by this process is different from the most recent existing time status that is stored in the database. This process should be run if the Calculate Time Status (Indicator) on the Term Control Form (SOATERM) has not been selected (set to N) during any period of registration processing for a term.

This process uses the Count in Time Status (Indicator) on STVRSTS for each course registration status code on each CRN to determine which sections are included in the time status calculation. The time status calculation will use the sum of the credit hour hold values (SFRSTCR_CREDIT_HR_HOLD) where the Count in Time Status (Indicator) is set to Y. Therefore, if the Count in Time Status (Indicator) is checked for a course registration status code on STVRSTS, the SFRSTCR_CREDIT_HR_HOLD value will be used. Otherwise, time status hours will default to zero for the course. This allows an institution to set the Count in Enrollment (Indicator) to any value needed for institutional processing and without creating any processing issues for the time status calculation.

The process should initially be run in Audit Mode to allow messages to be reviewed. Any messages that reflect errors in the database must be corrected. The process can be run in Audit Mode as many times as needed before being run in Update Mode. If no records need to be updated, the message *No Time Status Records to be Updated* will print on the report output. This process can also be used as an additional error detection process in conjunction with the of running the Clearinghouse Extract Process (SFRNSLC) in the Report of Missing/Invalid Data Mode.

The process calculates the student centric period time status in addition to the existing term time status when the student has a cycle designator in effect for the registration term and CRNs being processed. A new student centric period time status history record is inserted in SFRSTSH if the time status for the student centric period has changed after the last update. If the time status has not changed, no additional record is created. When a student has a manually inserted time status record, no additional time status record is inserted.

Parameter Name	Required?	Description	Values
Run Sequence Number	No	Sequence number that is system-generated by Job Submission.	
Term Code	Yes	Enter the registration enrollment term for the time status update.	Term Code Validation Form (STVTERM)
Campus Code	Yes	Enter the single campus to be processed, or enter % for all.	Campus Code Validation Form (STVCAMP)
Level Code	Yes	Enter the single level to be processed, or enter % for all.	Level Code Validation Form (STVLEVL)
Run Mode (A=Audit or U=Update)	Yes	A or Audit mode will print a report of the calculated student enrollment time statuses, without actually updating the database. U or Update mode will update/insert time status history records.	A - Audit mode U - Update mode
Calculate SCP Time Status	Yes	Enter Y to calculate the student centric period time status for students assigned to a cycle designator for the term being processed or N to not calculate the student centric period time status. The default is N. If the new student centric period time status is different from the previous one, and the Run Mode parameter is set to U,	Y - Calculate student centric period time status N - Do not calculate student centric period time status

Parameter Name	Required?	Description	Values
		the new student centric period time status history record will be inserted into the database.	

NSLDS SSCR Process (SFRSSCR)

This process is used to read and process the NSLDS Student Status Confirmation Report (SSCR) Roster and Error Notification Files. The Roster File is the first file that is received, and should be run in Audit mode, then Create flat file mode.

All errors identified in Audit mode must be corrected, and Audit mode may be run as many times as needed, to diagnose and resolve problems with the data. When all data problems have been resolved, no errors will appear under either the Matched Records heading or the New Students Added to SSCR File heading on the report output.

Any records listed under the Unmatched Records heading will be reported as unknown to your institution when the process is run in Create flat file mode. The process should be run in Create flat file mode to produce the Submittal File that is returned to NSLDS. The Create flat file mode report should be reviewed for any errors that would cause missing data or data that is not valid to be submitted.

After NSLDS processes the Submittal File, an Error Notification File will be returned. That file should be processed in Error listing mode. The report information will indicate if the Submittal File was accepted without errors, or if errors exist that need correction. If errors exist, both Audit and Create flat file modes should be used to review the data and create an Error Correction File that is submitted to NSLDS.

The following output files are created when the Roster file or Error Notification file is processed in Create flat file mode.

- report output and control information listing, which includes appropriate messages about the data or processing of the file or both
- log file
- flat data file with updates that would be transmitted back to NSLDS

The name of the report listing will conform to existing standards for job submission processing or command line (host) execution. The name of the data file produced from the Roster file will be `sfrsubm.dat` (Submittal file), and the name of the data file produced from the Error Notification file will be `sfrserrc.dat` (Error Correction file), regardless if executed from job submission or the command line. Only a report control information listing is produced when the Roster file is processed in Audit mode, and the Error Notification file is processed in Audit or Error listing mode.

This process uses the Third Party Withdrawal Indicator on STVESTS to report students as withdrawn to the NSLDS. When the indicator is not checked, the process will not consider the student as withdrawn and will report the last time status for the student.

Students who begin a term in a degree seeking program and change to a non-degree seeking program mid-term will be reported as withdrawn from the degree seeking program in the term for which the change was made. During the term in which the change from degree to non-degree seeking is made, the student will be reported with the Program Indicator set to Y, the program level information for the degree program will be reported as withdrawn and include the withdrawal date. Additionally, no program information will be sent for the non-degree seeking program. After the term in which the change to a non-degree seeking program was made has ended, the student will be reported with the Program Indicator set to N and no program level information will be reported for the student. Campus level information will continue to be reported.

The process also uses the Third Party Report Indicator on STVLEAV to select leave of absence codes for the student. The process will select leave of absence codes from the general student record to be reported as valid leaves when the indicator is checked.

Use the Summer Flag parameter to indicate that the processing term is a summer term or other non-required term. When this parameter is set to Y, the bridging process is enabled to calculate enrollment status. The bridging process reports students who are not enrolled (or enrolled less than half-time in a summer term) as enrolled with the previous term's enrollment status information instead of as withdrawn. This is "bridging" the enrollment status. A student who is enrolled half-time, three-quarter time, or full-time in a summer term will continue to be reported with the appropriate summer enrollment status. To enable this functionality, set the Summer Flag to Y, populate the Previous Term parameter with the term preceding the processing term, and set the Future Term parameter to the term immediately following the processing term.

Parameter Name	Required?	Description	Values
Term Code	Yes	Enter the registration enrollment term for processing. Time status for enrolled students for this term is used to update enrollment status, if a change has occurred.	Term Code Validation Form (STVTERM)
Summer Term Flag	Yes	Set this parameter to Y (Yes) and populate the Previous Term and Future Term parameters for enrollment status calculations to use the bridging process. Value may be left null if not using summer bridging functionality.	Y – Yes N – No Parameter ValueValidations (GJAPVAL)
Previous Term Code	No	Enter a term immediately preceding	Term Code Validation Form (STVTERM)

Parameter Name	Required?	Description	Values
		a summer term (or other non-required term) when using the bridging enrollment status functionality. Value may be left null when not using summer bridging functionality. The value entered will be ignored if the Summer Term Flag is not set to Y (Yes).	
Future Term Code	No	Enter a term immediately following a summer term (or other non-required term) when using the bridging enrollment status functionality. Value may be left null when not using summer bridging functionality. The value entered will be ignored if the Summer Term Flag is not set to Y (Yes).	Term Code Validation Form (STVTERM)
SSCR File to Process	Yes	Enter the path and file name for the SSCR Roster or Error file to process. The path and file name entered must not exceed 30 characters. If no extension for the file name is supplied, an extension of .dat is assumed.	
SSCR File Type	Yes	Enter R for a Roster File or E for an Error Notification File.	R - Roster file E - Error Notification file
Run Mode	Yes	Enter A to create an audit file, C to create a flat file, or E to create	A - Audit file C - Create flat file

Parameter Name	Required?	Description	Values
		an error listing. Only A and C are valid run modes for processing a Roster File. If E is entered, Audit mode will default. A , C , and E are valid modes for processing an Error Notification File.	E - Error listing
Address Hierarchy	Yes	Enter the address type and hierarchy for reporting permanent address information. For example, 1MA. Multiple values may be entered. This parameter will not be used when the Error Notification File is processed in Error listing mode.	Address Type Code Validation Form (STVATYP)
Aid Year Code(s)	N/A	This parameter is no longer used.	
Level Code for New Students	No	Enter the level code(s) to select students with new loans. The default value is % for all levels.	Level Code Validation Form (STVLEVEL)
College Code for New Students	No	Enter the college code(s) to select students with new loans. The default value is % for all colleges.	College Code Validation Form (STVCOLL)
Campus Code for New Students	No	Enter the campus code(s) to select students with new loans. The default value is % for all campuses.	Campus Code Validation Form (STVCAMP)
Match on ID Only	No	Enter Y to match on ID/SSN only or N to match on ID/SSN and last name. The default is N .	Y - Match on ID/SSN N - Match on ID/SSN and last name

Parameter Name	Required?	Description	Values
Effective Withdrawal Date	Yes	Enter Y to select the effective withdrawal date from the student withdrawal record (SFRWDRL_EFF_WDRL_DATE) if one exists for term, otherwise the date from the enrollment record (SFBETRM_ESTS_DATE) will be used. Enter N to select the date from the enrollment record (SFBETRM_ESTS_DATE). The default is N.	Y - Use date from SFRWDRL N - Use date from SFBETRM
Telephone Hierarchy	No	Enter the telephone priority and type code, such as 1HM, for reporting phone information for enrolled students.	Telephone Type Validation Form (STVTELE)
Email Hierarchy	No	Enter the email address priority and type code, such as 1EM, for reporting email information for enrolled students.	E-mail Address Type Validation Form (GTVEMAL)
OPEID	Yes	Enter the number for the OPEID where the enrollment is certified. This is the combined six-digit school code and the two-digit school location code. If no school code is used, enter "00". If no value is entered in this parameter, the roster file OPEID is defaulted into all records.	
Nation Code	No	Enter the default EDI nation code to be used for processing student addresses. This value is used with the	Nation Code Validation Form (STVNATN)

Parameter Name	Required?	Description	Values
		SPRADDR_NATN_CODE value is Null. When this parameter is blank, no default value is captured.	
Previous Rpt Term and Sequence	N/A	This parameter is no longer used.	
Continuing Education Level	No	Enter the continuing education level code to be used for processing.	Level Code Validation Form (STVLEVL)
Use Curriculum Start/End Dates	No	Enter Y to use curriculum Start and End dates from Curriculum or Field of Study Enter N to process as normal. Default value is set to N. The parameter first checks for Field of Study Start and End Date, then the Curriculum Start and End Date, if neither exist the process leverages dates from STVTERM.	Y - Curriculum Start and End dates. 'N' - Process as normal.

Compliance Listener Start Up Process (SFRPINI)

This process is used to initialize the SFRPIPE process to run in the background, listening for Oracle pipe calls to execute the compliance process for registration prerequisite processing with CAPP. Run SFRPINI from the host. There are no job submission parameters for this process.

Compliance Pipe Process (SFRPIPE)

This process is used as a listening agent for Oracle pipes, to initiate the compliance process to perform registration prerequisite processing with CAPP. Run SFRPIPE from the host. There are no job submission parameters for this process.

The following is displayed when the process is run.

```
Waiting for work on pipename...
```

There is no hardcopy output from this process.

GTVSDAX rules with SFRPIPE

These GTVSDAX rules can be used with pipes processing for debugging purposes.

Internal Code	Internal Code Group	External Code	Description
PIPETIME	PIPETIMEOUT	300	SFRPIPE timeout in seconds
PIPESIZE	PREREQUISITES	4048	SFRPIPE pipe size
PREREGDEBG	PREREQUISITES	FALSE	Debug Msg in PreReg
PIPESELECT	PREREQUISITES	FALSE	Randomly select pipes

The PIPETIME rule allows you to change the timeout period for the pipe process. The default timeout period is 300 seconds or five minutes. The SFKPREL and SFKPIP1 packages are used by this rule.

The PIPESIZE rule allows you to change the size of the pipe used for the pipe process. The default pipe size is the Oracle default of 4048.

Warning! This value should not be changed unless specified by a technician.

The PREREGDEBG rule allows you to perform testing and debugging for pipe processing.

Warning! It is strongly advised that this rule only be set to `TRUE` when pipe process testing is taking place. Numerous calls to the `dbms_output` item are performed, which could affect system performance in a production environment.

The PIPESELECT rule provides an alternative method of selecting a database pipe from the SFBPIPE table. You can still use the method that applies load balancing communications across the pipes. The PIPESELECT rule uses values of `TRUE` or `FALSE` to toggle between the alternative pipe selection and the load balancing pipe selection. When the rule is `TRUE`, the logic randomly selects a pipe from the SFBPIPE table. When the rule is `FALSE`, load balancing is performed across the pipes as determined by SFBPIPE. The pipe naming convention in the SFBPIPE table must use the format `XYYYYYZZ`: where `XX` is the node, `YYYY` is the name, and `ZZ` is the pipe number.

Queue Initialization Process (SFRQINI)

This process initializes the SFRADVQ listener process to be run in the background, where it listens for Oracle advanced queue calls to execute the compliance process. It can be run from job submission. SFRQINI can be compared to the SFRPINI pipe initialization process.

Parameter Name	Required?	Description	Values
Number of Listeners to Start	Yes	Enter the number of advanced queue listeners to be started from SFRADVQ. The default is 10.	

Compliance Advanced Queue Process (SFRADVQ)

This process is a listening agent for Oracle advanced queue processing. It tells advanced queuing to perform compliance processing. Run the SFRQINI process to start the SFRADVQ process. SFRADVQ can be compared to the SFRPIPE pipe listener process. There are no job submission parameters for this process.

GTVSDAX rules with SFRADVQ

These GTVSDAX rules can be used with advanced queue processing.

Internal Code	Internal Code Group	External Code	Description
AQ4PIPES	CAPP	Y	All CAPP Processing
QUEUETIME	QUEUETIMEOUT	300	SFRADVQ timeout in seconds

The `AQ4PIPES` rule for the internal code group of CAPP is used to toggle between pipes processing (SFRPINI and SFRPIPE) and advanced queue processing (SFRQINI and SFRADVQ).

The `QUEUETIME` rule is used to change the timeout period for the advanced queue process. The delivered default timeout period is 300 seconds (five minutes). You need to set the rule to the timeout value you choose for the queue to work with the advanced queuing. The SFKCOMM package uses the `AQ4PIPES` rule to determine the transmission protocol, while the SOKADVQ package uses the `QUEUETIME` rule.

The `QUEUETIME` rule is equivalent to the `PIPETIME` GTVSDAX rule. The `QUEUETIME` rule states the amount of time the user is willing to wait for a response for compliance processing while using the advanced queuing option, while the `PIPETIME` rule denotes the amount of time the user is willing to wait for a response for the compliance processing while using pipes processing.

Advanced queuing can be used in place of pipes processing, but using advance queuing is not required for communication protocol. The GTVSDAX rules are delivered with a value of N, you can continue to use pipes processing.

Withdraw Pending Status Change Report (SFRNOWD)

This report is used to show which students have zero enrollment hours but have not officially withdrawn from the institution.

These students are ones who have been enrolled in a term and whose status indicates they are eligible to enroll, but no longer have any active registration for a term, because there are no SFRSTCR records with a Status Code checked as Count in Enrollment on the Course Registration Status Code Validation Form (STVRSTS).

Note: The Withdrawal Code on STVESTS is used to show that the enrollment status code is also a withdrawn indicator for this reporting process.

You can display several different groups of students in the report output:

- those who have received or could have received Title IV financial aid,
- those who received only non-Title IV aid, or
- those with no financial aid.

The report also allows you to include those students who have enrollment for the term but no credit hours in academic history (all F's, for example).

Date parameters are included in this report so as not to include students previously identified as withdrawn if desired. Dates are based on activity date on SFRSTCA.

Parameter Name	Required?	Description	Values
Term Code	Yes	Enter the code of the term for which you want to run the report.	Term Code Validation Form (STVTERM)
Student Level(s)	Yes	Enter the student level or levels (such as undergraduate or graduate) for which you want to run the report. Multiple levels may be entered.	Level Code Validation Form (STVLEVL)
Financial Aid Selection	Yes	Enter the type of financial aid recipient. Enter T for Title IV recipients only, F for Financial Aid recipients, or A for all students. The default is T .	T - Title IV recipients F - Financial Aid recipients A - All students
Verify Enrollment	Yes	Enter Y to verify enrollment or N to not verify enrollment. The default is Y .	Y - Verify enrollment N - Do not verify enrollment

Parameter Name	Required?	Description	Values
Start Date	No	Enter the start date in DD-MON-YYYY format. Use this parameter to exclude students previously identified as withdrawn. Dates are based on the activity date on SFRSTCA.	
End Date	No	Enter the end date in DD-MON-YYYY format. Use this parameter to exclude students previously identified as withdrawn. Dates are based on the activity date on SFRSTCA.	
Verify History	Yes	Enter Y to verify history or N to not verify history. The default is Y . Use this parameter to include those students who have enrollment for the term but no credit hours in academic history (all F's, for example).	Y - Verify history N - Do not verify history
Grade Which Reflects Drop	No	Enter any grades which may reflect a drop.	
Campus Selection	Yes	Enter the campus for which you want to run the report, or % for all. The default is %.	Campus Code Validation Form (STVCAMP)
Sort Order	Yes	Enter the sort order for the report output. Enter I to sort on Student ID, N to sort on Name, or L to sort on Level.	I - Student ID N - Name L - Level
Application Code	No	Enter the code that identifies the general area for which the selection identifier was	Application Inquiry Form (GLIAPPL)

Parameter Name	Required?	Description	Values
		defined. All or none of the population selection parameters must be entered.	
		The Population Selection Extract Inquiry Form (GLIEXTR) may be used to review the people who will be processed in the load from the selection identifier and application code entered.	
Selection Identifier	No	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Definition Rules Form (GLRSLCT). All or none of the population selection parameters must be entered.	Population Selection Inquiry Form (GLISLCT)
Creator ID	No	Enter the user ID of the person who created the population rules. All or none of the population selection parameters must be entered.	
User ID	No	Enter the user ID for the population selection. This is the ID of the user who selected the population of people. This may or may not be the same as the Creator ID. All or none of the population selection parameters must be entered.	

Withdrawn Student Report (SFRWDRL)

This report is used to identify students who have withdrawn from the term and need to have a Title IV refund calculated.

In other words, those students who have had a withdrawal status code with the TIV Update Ind(icator) selected on the Student Withdrawal Status Code Validation Form (STVWDRL) and entered on their student record.

This report can also be used to record the student's withdrawal date for Title IV purposes and to create a withdrawal record for those students who received Title IV funds.

The report allows you to:

- Select only those students who have been awarded Title IV funds or all students.
- Select only the withdrawal enrollment status codes requested. The default for the parameter is all withdrawal enrollment status codes. You have the option of selecting all withdrawal status codes, one withdrawal status code, or multiple withdrawal status codes.
- Review the student status date and Accounts Receivable institutional charge detail to determine if changes are required.
- Use population selection.
- Sort by activity date, ID, name, withdrawal status code, and level.

Note: Address type codes need to be set up on the Crosswalk Validation Form (GTVSDAX) to map to the home address type and campus address type if you want addresses to print on the report. The value in the Internal Code field is used to identify the GTVSDAX address hierarchy.

Parameter Name	Required?	Description	Values
Audit or Update Mode	Yes	Enter A for Audit mode or U for Update mode. Update mode will update the database records by creating a withdrawal record for those students who received Title IV funds.	A - Audit mode U - Update mode
Term Code	Yes	Enter the code of the term for which you want to run the report.	Term Code Validation Form (STVTERM)
Student Level	Yes	Enter the student level or levels (such as undergraduate or graduate) for which you want to run the	Level Code Validation Form (STVLEVL)

Parameter Name	Required?	Description	Values
		report. Multiple levels may be entered.	
Campus Code (% for all)	Yes	Enter the code of the campus for which you want to run the report, or enter % for all. The default is %.	Campus Code Validation Form (STVCAMP)
Title IV Recipients Only	No	Enter Y to include only Title IV recipients or N to include all students.	Y - Title IV recipients only N - All students
Enrollment Status Code (% for all)	Yes	Enter the enrollment status code for the type of enrollment status to be included in the report or % for all enrollment codes. Multiple values may be entered.	Enrollment Status Code Validation Form (STVESTS)
Default WDRL Code	Yes	Enter the withdrawal code to be used for records that do not have an associated withdrawal code on STVESTS.	Withdrawal Code Validation Form (STVWDRL)
Major Sort Sequence	Yes	Enter the sort sequence for the primary sort order: I for ID, N for Name, S for Status Code, D for Date, or L for Level. Sorting is performed by calendar date, using the SFBETRM_ESTS_DATE value and the DATE format.	I - ID N - Name S - Status code D - Date L - Level
Minor Sort Sequence	No	Enter the sort sequence for the secondary sort order: I for ID or N for Name, when the Major Sort Sequence parameter is set to S, D, or L.	I - ID N - Name

Parameter Name	Required?	Description	Values
Home Address SDAX Code	Yes	Enter the address type to be used as the home address for Title IV processing. This code must be defined on the Crosswalk Validation Form (GTVSDAX).	Crosswalk Validation Form (GTVSDAX)
Campus Address SDAX Code	Yes	Enter the address type to be used as the campus address for Title IV processing. This code must be defined on the Crosswalk Validation Form (GTVSDAX).	Crosswalk Validation Form (GTVSDAX)
Selection Identifier	No	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Definition Rules Form (GLRSLCT). All or none of the population selection parameters must be entered.	Population Selection Inquiry Form (GLISLCT)
Application Code	No	Enter the code that identifies the general area for which the selection identifier was defined. All or none of the population selection parameters must be entered. The Population Selection Extract Inquiry Form (GLIEXTR) may be used to review the people who will be processed in the load from the selection identifier and	Application Inquiry Form (GLIAPPL)

Parameter Name	Required?	Description	Values
		application code entered.	
Creator ID	No	Enter the user ID of the person who created the population rules. All or none of the population selection parameters must be entered.	
User ID	No	Enter the user ID for the population selection. This is the ID of the user who selected the population of people. This may or may not be the same as the Creator ID. All or none of the population selection parameters must be entered.	

Auto Grade Assignment Process (SFPAGR)

This process is used to assign an incomplete or institutionally defined letter grade to long-standing, ungraded, open learning registration records.

If a student has passed their expected completion date by a defined period of time (as defined in the report parameters), then the registration record will given the specified grade, thereby closing the record. The information displayed on the report comes from the student and section registration information in the SFRSTCR and SFRAREG records.

Note: The process will bypass Elevate registration records based on the integration partner code. When the `SSBSECT_INTG_CDE` on `SSASECT` is set to `ELEV8`, the record is not considered by the process.

Note: After you run the Auto Grade Assignment Process (SFPAGR), you need to run the Grade Roll to Academic History (SHRROLL).

Parameter Name	Required?	Description	Values
Processing Term	No	Enter the term code or codes for the terms to be checked for incomplete registration records.	Term Code Validation Form (STVTERM)

Parameter Name	Required?	Description	Values
Start Range From Date	No	Enter the start date for which registration records are to be processed.	
Start Range To Date	No	Enter the end date for which registration records are to be processed.	
CRN	No	Enter the CRN or CRNs for the sections to be processed, or enter % for all sections. The default is %.	
Schedule Type	No	Enter the schedule type code or codes for the sections to be processed. Enter % for all. The default is %. For example, you could select all sections with a schedule type of self-paced.	Schedule Type Code Validation Form (STVSCHD)
Instructional Method	No	Enter the instructional method or methods for the sections to be processed. Enter % for all. The default is %. For example, you could select all sections with an instructional method of Web-based.	Instructional Method Validation Form (GTVINSM)
Instructor	No	Enter the ID of the instructor for the sections to be processed. You may only enter one instructor in this parameter.	

Parameter Name	Required?	Description	Values
Grade Deadline Grace Period	No	<p>Enter the number of calendar days for the grace period deadline. The default is 45.</p> <p>The number of calendar days is added to the most recent expected completion date. If the derived date is less than or equal to the current date, that is, the registration record has passed the grade period for which a grade can be entered, then the record will be updated.</p>	
Grade	Yes	<p>Enter the grade code to be assigned to the registration record. The default is I (Incomplete).</p> <p>Make sure the grade code is defined for each existing grading mode so SHRROLL will run correctly.</p>	Grade Code Maintenance Form (SHAGRDE)
Run Mode	Yes	<p>Enter R to produce a report of those students still without grades.</p> <p>Enter U to update the database.</p> <p>The default is R.</p>	R - Audit U - Update
Report Sequence	Yes	Enter S to sort the report output by student name.	S - Sort by student name C - Sort by CRN within term

Parameter Name	Required?	Description	Values
		Enter <code>C</code> to sort the report by CRN within term.	
		The default is <code>S</code> .	

Registration Admin Messages Report (SFRRGAM)

This report is used to track registration errors for administrative purposes, check for in-progress prerequisites errors, view any potential schedule conflicts due to changes in class schedule, or find students who took in-progress prerequisites that may have not met the requirements.

You can use the error checking settings for registration restrictions on SOATERM when the report is run, or you can define the error checking settings using individual parameters. This report reruns the edit checking based on the settings entered by the user. These errors are not stored anywhere in the database, as this information can change constantly.

Note: When DegreeWorks prerequisite checking is in use, the report displays DegreeWorks prerequisite error messages.

If a single term is entered in the Term Code parameter, both date parameters (Start Date From Date and Start Date To Date) will be set to `Null` for the running of the report, even if valid dates have been entered in these two parameters. The control report will display `NULL` for these two fields, even though they contain the user-entered values in Banner job submission (GJAPCTL).

If a date range is used for the report (for example, the Term Code parameter is set to `%`), the Use SOATERM Error Check Flags parameter will be set to `N` for this running of the report, even though it may have been set to `Y` on GJAPCTL. The field value will be displayed on the control report as `N`, indicating that the SOATERM error checking values were not used for this specific running of the report. The values that exist on GJAPCTL for all the error checking parameters will be used for this specific running of the report, and they will be displayed on the control report.

If an individual course is entered in the CRN parameter, the process will operate only on that CRN. It is important to remember that a CRN may be involved in an error condition, even though no error is reported against that CRN. For example, if a student registers for CRN 1 and CRN 2, and a time conflict exists between the two sections, only the latter, based on the date and time it was added to the student's schedule, is assigned an error message. Therefore, if the report is run for CRN 1, no error will be generated. If the report is run for CRN 2, the time status error will be generated.

Note: If CAPP prerequisites are being processed and the pipes (SFRPINI and SFRPIPE) are not being run, the report will display an error such as `CAPP pipes error` or `CAPP processing error`.

The Active Registration Cannot Process error means that another user was in the record at the time this report was run, and it will need to be run against that student at a later time.

Parameter Name	Required?	Description	Values
Term Code	No	<p>Enter the registration term for which administrative messages are to be processed.</p> <p>Enter % when using a date range.</p> <p>If % is entered in the Term Code parameter, a date range must be entered.</p>	Term Code Validation Form (STVTERM)
Start Date From Date	No	<p>Enter the start date from which registration records should be selected. Enter in DD-MON-YYYY format.</p> <p>This parameter can be used when a value of % has been entered in the Term Code parameter.</p>	
Start Date To Date	No	<p>Enter the start date to which registration records should be selected. Enter in DD-MON-YYYY.</p> <p>This parameter can be used when a value of % has been entered in the Term Code parameter.</p>	
Application Code	No	<p>Enter the code that identifies the general area for which the selection identifier was defined. All or none of the population selection parameters must be entered.</p> <p>The Population Selection Extract Inquiry Form</p>	Application Inquiry Form (GLIAPPL)

Parameter Name	Required?	Description	Values
		(GLIEXTR) may be used to review the people who will be processed in the load from the selection identifier and application code entered.	
Selection Identifier	No	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Definition Rules Form (GLRSLCT). All or none of the population selection parameters must be entered.	Population Selection Inquiry Form (GLISLCT)
Creator ID	No	Enter the user ID of the person who created the population rules. All or none of the population selection parameters must be entered.	
User ID	No	Enter the user ID for the population selection. This is the ID of the user who selected the population of people. This may or may not be the same as the Creator ID. All or none of the population selection parameters must be entered.	
Student ID	No	Enter the ID of the student for which administrative messages are to be reported. Multiple IDs may be entered.	
CRN	No	Enter the CRNs for which administrative	

Parameter Name	Required?	Description	Values
		messages are to be reported. Multiple CRNs may be entered.	
Report Option	Yes	<p>Enter P to report failed in-progress prerequisite messages. This option is valid only if prerequisite checking was turned on during registration.</p> <p>Enter A to report all messages.</p> <p>The default is A.</p>	<p>P - Failed in-progress prerequisites</p> <p>A - All messages</p>
Registration Access Errors	Yes	<p>Enter I to include the reporting of students whose courses could not be evaluated because they had an active registration session in progress at the time the report was run.</p> <p>Enter E to exclude the reporting of these students.</p> <p>The default is I.</p>	<p>I - Include</p> <p>E - Exclude</p>
Use SOATERM Error Check Flags	No	<p>Use this parameter when the Report Option parameter is set to A.</p> <p>Enter Y to use the error checking flags for registration restrictions on SOATERM.</p> <p>Enter N to use the parameters which follow for error checking.</p> <p>The default is Y.</p>	<p>Y - Use SOATERM flags</p> <p>N - Use parameters</p>

Parameter Name	Required?	Description	Values
		If dates have been entered in the Start Date From Date and Start Date To Dates parameters, this parameter must be set to N.	
Duplicates	No	Use this parameter instead of the error checking flag on SOATERM to check for duplicates errors. Enter F to check for fatal errors. Enter N to not check for errors. The default is N.	F - Fatal error checking N - No checking
Links	No	Use this parameter instead of the error checking flag on SOATERM to check for links errors. Enter F to check for fatal errors. Enter N to not check for errors. The default is N.	F - Fatal error checking N - No checking
Corequisites	No	Use this parameter instead of the error checking flag on SOATERM to check for corequisite errors. Enter F to check for fatal errors. Enter N to not check for errors. The default is N.	F - Fatal error checking N - No checking
Prerequisites	No	Use this parameter instead of the error	F - Fatal error checking

Parameter Name	Required?	Description	Values
		checking flag on SOATERM to check for prerequisite errors. Enter F to check for fatal errors. Enter N to not check for errors. The default is N .	N - No checking
Max Hours	No	Use this parameter instead of the error checking flag on SOATERM to check for maximum hours errors. Enter F to check for fatal errors. Enter N to not check for errors. The default is N .	F - Fatal error checking N - No checking
Time	No	Use this parameter instead of the error checking flag on SOATERM to check for time errors. Enter F to check for fatal errors. Enter N to not check for errors. The default is N .	F - Fatal error checking N - No checking
Approval	No	Use this parameter instead of the error checking flag on SOATERM to check for approval errors. Enter F to check for fatal errors. Enter N to not check for errors.	F - Fatal error checking N - No checking

Parameter Name	Required?	Description	Values
The default is N.			
Field of Study	No	Use this parameter instead of the error checking flag on SOATERM to check for field of study/major errors. Enter F to check for fatal errors. Enter N to not check for errors.	F - Fatal error checking N - No checking
The default is N.			
College	No	Use this parameter instead of the error checking flag on SOATERM to check for college errors. Enter F to check for fatal errors. Enter N to not check for errors.	F - Fatal error checking N - No checking
The default is N.			
Level	No	Use this parameter instead of the error checking flag on SOATERM to check for level errors. Enter F to check for fatal errors. Enter N to not check for errors.	F - Fatal error checking N - No checking
The default is N.			
Class	No	Use this parameter instead of the error checking flag on SOATERM to check for class errors.	F - Fatal error checking N - No checking

Parameter Name	Required?	Description	Values
		Enter F to check for fatal errors	
		Enter N to not check for errors.	
		The default is N .	
Repeat Hours	No	Use this parameter instead of the error checking flag on SOATERM to check for repeat hours errors.	F - Fatal error checking N - No checking
		Enter F to check for fatal errors	
		Enter N to not check for errors.	
		The default is N .	
Repeat Limit	No	Use this parameter instead of the error checking flag on SOATERM to check for repeat limit errors.	F - Fatal error checking N -No checking
		Enter F to check for fatal errors.	
		Enter N to not check for errors.	
		The default is N .	
Campus	No	Use this parameter instead of the error checking flag on SOATERM to check for campus errors.	F - Fatal error checking N - No checking
		Enter F to check for fatal errors.	
		Enter N to not check for errors.	
		The default is N .	
Degree	No	Use this parameter instead of the error	F - Fatal error checking

Parameter Name	Required?	Description	Values
		checking flag on SOATERM to check for degree errors. Enter F to check for fatal errors. Enter N to not check for errors. The default is N .	N - No checking
Program	No	Use this parameter instead of the error checking flag on SOATERM to check for program errors. Enter F to check for fatal errors. Enter N to not check for errors. The default is N .	F - Fatal error checking N - No checking
Department	No	Use this parameter instead of the error checking flag on SOATERM to check for department errors. Enter F to check for fatal errors. Enter N to not check for errors. The default is N .	F - Fatal error checking N - No checking
Student Attribute	No	Use this parameter instead of the error checking flag on SOATERM to check for student attribute errors. Enter F to check for fatal errors. Enter N to not check for errors.	F - Fatal error checking N - No checking

Parameter Name	Required?	Description	Values
The default is N.			
Cohort	No	Use this parameter instead of the error checking flag on SOATERM to check for cohort errors. Enter F to check for fatal errors. Enter N to not check for errors.	F - Fatal error checking N - No checking
The default is N.			
Mutual Exclusion	No	Use this parameter instead of the error checking flag on SOATERM to check for mutual exclusion errors. Enter F to check for fatal errors. Enter N to not check for errors.	F - Fatal error checking N - No checking
The default is N.			

Fee Assessment Report (SFRFEES)

This report is used to assist in troubleshooting and debugging fee assessment processing.

It is intended to be an efficient way to gather needed information when a question on arises on fee assessment. The report will be the primary method for the ActionLine to obtain contact data, (along with additional delivered SQL*Plus scripts).

This report lists various data values stored for a student that have the potential to meet registration assessment rule criteria. The values displayed are for enrollment data, student data, curriculum data, course registration data, optional mock fee assessment data, previous and current fee assessment, and accounts receivable records. The report processes a single ID or a population selection for a term. The report also lists a basic summary of learner data that may be used for assessment verification and can be helpful when troubleshooting assessment results. The supported parameters will be expanded in later releases to assist with reviewing assessment information.

This report can also be used as a tool for institutions to evaluate their processing rules or check on a specific group of students. For example, an institution may want to update a rule. They could take a sample population selection, and then compare the current assessment with a mock

assessment to determine if this change would be appropriate. Another potential use would be if a user wanted to review assessment results for students who have a specific drop registration status (i.e., DD). They would create a population selection containing these students, and run the report. This allows them to easily compare the current assessment to the previous one, and determine if the refund was performed correctly.

Parameter Name	Required?	Description	Values
Term	Yes	Enter the registration term for which fee assessment is to be reported.	Term Code Validation Form (STVTERM)
Student ID	No	Enter the ID of the student for which fee assessment is to be reported.	
Application Code	No	Enter the code that identifies the general area for which the selection identifier was defined. All or none of the population selection parameters must be entered. The Population Selection Extract Inquiry Form (GLIEXTR) may be used to review the people who will be processed in the load from the selection identifier and application code entered.	Application Inquiry Form (GLIAPPL)
Selection Identifier	No	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Definition Rules Form (GLRSLCT). All or none of the population selection parameters must be entered.	Population Selection Inquiry Form (GLISLCT)

Parameter Name	Required?	Description	Values
Creator ID	No	Enter the user ID of the person who created the population rules. All or none of the population selection parameters must be entered.	
User ID	No	Enter the user ID for the population selection. This is the ID of the user who selected the population of people. This may or may not be the same as the Creator ID. All or none of the population selection parameters must be entered.	
Mock Assessment Indicator	Yes	Enter Y to process mock fee assessment or N to not process mock fee assessment. The default is N .	Y - Mock assessment N - No mock assessment
Mock Assessment Effective Date	No	Enter the date for the mock fee assessment in DD-MON-YYYY format. This parameter is the equivalent of the Assessment Date parameter in Registration Fee Assessment Process (SFRFASC). This parameter could be used to expand on the details of accounting transactions.	
Assessment Detail Indicator	Yes	Enter a value to select the level of report detail. Enter C for current detail, P for previous detail, or B for both kinds of information. The default is B .	C - Current P - Previous B - Both

Parameter Name	Required?	Description	Values
Sort Order	Yes	Enter a value to select the sort order for the output. Enter N for name order or I for student ID order. The default is N.	N - Order by name I - Order by student ID

Batch Waitlist Notification Process (SFRBWLP)

This process is used to produce waitlist notifications by term for new available seats based on entries in the SFRCOLW collector table.

It will search the waitlisted sections for entries that are pending or expired (SFRWLNT) and remove those students from the waitlist. The waitlist enrollment count will then be updated for the CRN. Sleep/wake processing is used with batch waitlist notification, and the results can be sent to a specific printer.

This process also selects all records from the SFRWLNT table for the CRNs where transient errors exist, and the waitlist status is Pending. Email notifications are then resent. If the start date of the email is still within the resend period, the notification end date is extended to restart the countdown and attempt to resend the email.

Parameter Name	Required?	Description	Values
Term	Yes	Enter the term for which waitlist notifications are to be processed.	Term Code Validation Form (STVTERM)
Printer ID	Yes	Enter the ID of the printer to be used with sleep/wake processing.	Printer Validation Form (GTVPRNT)
Run in sleep/wake mode (Y/N)	No	Enter Y to use sleep/wake processing or N to not use sleep/wake cycling. The default is N. Sleep/wake mode does not produce any printed output.	Y - Use sleep/wake N - Do not use sleep/wake
Sleep Interval	No	Enter the time in seconds that the process should pause before running the job. Use values from 1 to 999999.	

Parameter Name	Required?	Description	Values
Print Control Report (Y/N)	Yes	Enter Y to print the control report in the output or N to not print the control report. The default is N .	Y - Print control report N - Do not print control report

Waitlist Priority Reorder Process (SFPWLRO)

This process is used to reorder positions in the waitlist queue based on the rules defined on SOAWLTC.

Waitlists are sorted by waitlist priority order and the timestamp for the course registration status code (STVRSTS). Reordering can be performed by term and CRN or by term and cross list group. Manual overrides can be included in the reordering process. If an entry has a manually assigned waitlist priority that is not overridden, it will not be processed.

Reordering is only applied to sections that fit the selection criteria and is done on a first come, first served basis within each rule. Waitlists for cross-listed courses are consolidated and reordered as a single waitlist for the group. Waitlists for courses with reserved seats and overflow allowances are consolidated and reordered as a single waitlist. Waitlists for courses with reserved seats but without overflow allowances are treated as a single waitlist.

Parameter Name	Required?	Description	Values
Term	Yes	Enter the term code for which waitlist priorities are to be reordered.	Term Code Validation Form (STVTERM)
CRN	No	Enter one or more CRNs for which waitlist priorities are to be reordered. If a value is entered in this parameter, the Cross List Group parameter cannot be used.	
Cross List Group	No	Enter the cross list group (SSAXLST) to be used to process specific cross-listed CRNs. This parameter cannot be used when a value is entered in the CRN parameter.	
Manual Override	Yes	Enter Y to include manual overrides in the reordering process	Y -Include manual overrides

Parameter Name	Required?	Description	Values
		or N to not include the overrides.	N - Do not include manual overrides

Feedback Monitor Students Process (SFRFFMN)

This process uses a population selection to find students registered for a course in a specific term that are required to be monitored by faculty members.

Students are designated as monitored, and a feedback record for each monitored student is loaded to the Faculty Feedback Student Estimated Grade Table (SFRFFST). Students not designated as monitored are optional and are not considered by the process.

When a faculty member views the Faculty Feedback Roster (`bwlkfdbk.P_FacultyFeedback`) in Banner Faculty and Advisor Self-Service, the students that require feedback are displayed, and the student marked as Monitored have the status of Monitored. When an issue or recommendation has been entered for a monitored student, the Monitored status changes to Complete. Students with an Optional status remain as optional.

If desired, the process can be executed multiple times for the same session with different populations. Subsequent executions add new students not marked as `Monitored`.

This process calls the `sb_feedback_session` API and the `sb_estimated_grades` API.

Parameter Name	Required?	Description	Values
Session Term Code	Yes	Enter a term code to be assigned to the feedback session.	Term Code Validation Form (STVTERM)
Feedback Session Description	Yes	Enter the description of the feedback session.	
Application Code	Yes	Enter the code that identifies the general area for which the selection identifier was defined. The population selection parameters are required for this process. The Population Selection Extract Inquiry Form (GLIEXTR) may be used to review the people who will be processed in the load from the selection	Application Inquiry Form (GLIAPPL)

Parameter Name	Required?	Description	Values
		identifier and application code entered.	
Selection Identifier	Yes	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Inquiry Form (GLISLCT). The population selection parameters are required for this process.	Population Selection Inquiry Form (GLISLCT)
Creator ID	Yes	Enter the user ID of the person creating the sub-population rules. The creator ID must have been specified when defining the selection identifier. The population selection parameters are required for this process.	
User ID	Yes	Enter the user ID for the population selection. This will match the creator ID and is the Banner logon user ID. The population selection parameters are required for this process.	

Faculty Feedback Purge Process (SFRFFPG)

This process is used to purge records for a term and session description for the start and end dates of the session control record.

The feedback session end date must be in the past. Data purged includes: feedback session definition, estimated grades and comments, and issues and recommendations. The feedback

session definition can be deleted from the user interface as long as no feedback exists. When feedback exists, SFRFFPG must be used.

Parameter Name	Required?	Description	Values
Session Term Code	Yes	Enter the term code for the session to be purged, or enter % for all.	Term Code Validation Form (STVTERM)
Feedback Session Description	Yes	Enter the feedback session description for the session to be purged.	

Gainful Employment Submittal Report (SFRGEED)

This report is used to retrieve data for gainful employment reporting based on processing rules.

All current and active, and non-current and active gainful employment programs are reported for students for the aid year being processed. Data is selected for students enrolled in terms where the aid year for that term (`STVTERM_FA_PROC_YR`) matches the aid year in the report parameter. The process reports one aid year at a time and determines which terms are included in the aid year being reported. The report retrieves only students who have received Title IV financial aid as defined on SFAGECR in the Detail Codes window. Institutional debt that is greater than \$0 (zero) is reported.

Population selection is used to retrieve a list of students from SFBETRM for the aid year. The OPEID number and branch code are used in the header and trailer records on the report for the NSC.

Students must have current and active curriculum records where the gainful employment settings for level, degree, or major codes (or all of them) indicate they are in a gainful employment program. The credential level is selected from SFRGEOCR using the gainful employment program that is being reported. The gainful employment program length and program length type from SFAGECR are reported.

The student's enrollment status as of the first day of enrollment in a gainful employment program is reported as: Full-Time, Three-Quarter Time, Half-Time, or Less Than Half-Time. The report can also process the first time enrollment status by student centric period. The attendance status value of G is used for students that have completed the gainful employment program or graduated or both during the award year.

The total cost for books, supplies, and equipment is reported. The actual charges assessed for the student enrollment in the gainful employment program are compared to the sum of the budget component amounts from the Cost of Attendance (COA). The higher amount of the two totals is reported as the allowance for books, supplies, and equipment.

The process produces a report that can be submitted to the NSLDS and the NSC. The submittal report uses two file layouts, fixed width (`.dat`) and comma separated values (`.csv`). The process also populates the Gainful Employment File Maintenance Table (SFRGEFM) with data or creates the submittal file using the data from the table. The Gainful Employment File Maintenance Form

(SFAGEFM) is used to review original calculations for the SFRGEED output, before changes are made for file submission.

When SFRGEED is run with the File Export Type parameter set to **T**, the output data is sent to the SFRGEFM table. You can use the SFAGEFM form to adjust the data before submitting the official report. After the report has been run with the File Export Type parameter set to **T**, it can then be run using the batch ID in the Batch ID parameter and with the File Export Type parameter set to **F** (fixed width format) or **C** (comma separated format).

SFRGEED can also read an error acknowledgment file in fixed width (.dat) or comma separated values (.csv) format and display data in a readable format in the .lis output file. You can generate a resubmittal file from the error acknowledgment file, so the submittal is only for those students with errors. File codes, error codes, and messages provided by the NSLDS are used with the error acknowledgment file. Processing can perform matches on SSN or SSN and last name. Records that do not have a match in Banner are printed separately on the output file.

Report Parameters and Appropriate Use

Here is a summary of the GE File Type and File Export Type parameter settings and their use with other report parameters.

Note: Although the Aid Year Code parameter is required when the GE File Type parameter is set to **E**, it is not used for any processing. It is NOT matched to the aid year in the file. Any discrepancies are not noted.

Parameter	GE File Type - S File Export Type - T	GE File Type - S File Export Type - C or F	GE File Type - E	GE File Type - R File Export Type - T	GE File Type - R File Export Type - C or F
Run purpose	First pass, write to table	First pass, create file for submission	Produce formatted version of error/ acknowledgement file	Second pass, write to table	Second pass, create file for submission
Run order	First	Second	Third	Fourth	Fifth
Aid Year Code	Required	Required	Required	Required	Required
Batch ID	Not used	Optional	Not used	Not used	Optional
GE File Type	Required - S	Required - S	Required - E	Required - R	Required - R
File Export Type	Required - T	Required - C or F	Required but not used	Required - T	Required - C or F
Medical Dental Attribute	Optional	Not used	Not used	Optional	Not used

Parameter	GE File Type - S File Export Type - T	GE File Type - S File Export Type - C or F	GE File Type - E	GE File Type - R File Export Type - T	GE File Type - R File Export Type - C or F
Effective Withdrawal Date	Used	Not used	Not used	Used	Not used
Process by Student Period	Used	Not used	Not used	Used	Not used
Application Code	Optional	Not used	Not used	Not used	Not used
Selection Identifier	Optional	Not used	Not used	Not used	Not used
Creator ID	Optional	Not used	Not used	Not used	Not used
User ID	Optional	Not used	Not used	Not used	Not used
OPEID or Third Party Code	Used	Not used	Not used	Used	Not used
File Path	Not used	Not used	Required	Required	Not used
Match on ID	Not used	Not used	Used	Used	Not used
Error File Type	Not used	Not used	Required - C or F	Required - C or F	Not used
File Name	Not used	Not used	Required	Required	Not used

GE Error/Acknowledgment File

The GE Error/Acknowledgment File can be produced and returned using file types such as `.csv`, or `.txt`, depending on how the original submittal file was sent.

The file format is described in the third party NSLDS User Manual. The setting of the Error File Type parameter is used to determine the file type provided by the institution. Also, the full file path, including the file name with extension, must be entered in the File Path and File Name parameters.

A Banner ID is provided along with the information from the error/acknowledgment record. If the matching process identifies the student by SSN, then the Banner ID shown will be the current ID. If the student is identified by matching the SSN in the file to a Banner ID, the matched Banner ID is shown.

The GE Error/Acknowledgment File contains the following records.

-
- Header, Detail, and Trailer Records - Each GE Error/Acknowledgment File contains a single Header record, multiple Detail records with the error codes at the end of each record, and a single Trailer record.
 - The Header record identifies the source of the file and the file's preparation/creation date, in addition to other identifying information.
 - The Detail records, one for each record submitted that has at least one error, contain information provided in the GE Submittal File with up to five errors identified. Records without errors and accepted by NSLDS will not be in this file.
 - The Trailer record shows the number of Detail records contained in the file.

Note: If your GE Submittal File did not contain any errors, your GE Error/Acknowledgement File will consist of only a header and a trailer record.
 - Format Data - All Detail records are formatted according to the record layout and field definition specifications provided by the NSLDS in the third party user manual. Solutions for error codes are also provided by the NSLDS.

GE Error Submittal File

You can produce a GE Error Submittal File to submit the corrected records from the GE Error/Acknowledgment File that was previously uploaded.

This file reported the errors on the student records that needed to be corrected. When the errors have been corrected and you choose to resubmit the data, you can produce the GE Error Submittal File. The file can be produced in either fixed width format (.dat) or comma separated values format (.csv). The file layout follows that of the GE Error/Acknowledgment File.

The GE Error Submittal File has the following characteristics:

- Header, Detail, and Trailer Records - Each GE Error Submittal File contains a single Header record, multiple Detail records, and a single Trailer record.
 - The Header record identifies the source of the file and the file's preparation/creation date, in addition to other identifying information.
 - The Detail records, one for each record located in the Error/Acknowledgment File, contain information specific to that student's program for that award year, with all previously identified errors corrected.
 - The Trailer record shows the number of Detail records contained in the file.
- Format Data - All Detail records are formatted according to the record layout and field definition specifications provided by the NSLDS. Solutions for error codes are also provided by the NSLDS. You should verify changes and check for formatting errors before returning the GE Error Submittal File to the NSLDS.

Error File and Matching

Each student record in the Error File produced by SFRGEED includes a social security number and last name. These elements are used as the basis for searching for a matching record within Banner.

The SFRGEED process examines the social security number data element in the General Person Form (SPAPERS), in addition to all IDs in the General Person Identification Form (SPAIDEN), previous and current, to determine a match to the SSN reported in the Submittal File. The process also examines all last names, previous and current, to determine a last name match. If a match for any SSN/last name combination cannot be found, a record is written to the control report with the information from the Error File for the SSN, last name, first name, middle name, and date of birth.

When SFRGEED is run with the GE File Type parameter set to **E** for Error File or **R** for Resubmittal File, and the File Export Type parameter is set to **T** for table (SFRGEFM), the setting of the Match on ID parameter determines the following processing. The Match on ID parameter is used to match on the combination of ID/SSN only (when set to **Y**), or match on the combination of ID/SSN and last name (when set to **N**).

It is recommended that the Error File be created with both types of matching, and then the two output files can be compared to determine which option is best for evaluating matched records. When the Match on ID parameter is set to **Y**, the possibility exists that an incorrect SSN in the Error Report could become associated with the wrong person in Banner.

Report Parameters

Here are the parameters used with SFRGEED.

Parameter Name	Required?	Description	Values
Aid Year Code	Yes	Enter the aid year for which students are to be processed.	Term Code Validation Form (STVTERM)
		Values come from the Financial Aid Process Year field on STVTERM.	
Batch ID	No	Enter the batch ID for the report being submitted.	
		This parameter is used when the GE File Type parameter is set to S or R , and the File Export Type parameter is set to F or C .	
		When the File Export Type parameter is set to T , a new batch ID is automatically generated, and the	

Parameter Name	Required?	Description	Values
		Batch ID parameter is not used. If a value is entered, an error is displayed in the .log file.	
GE File Type	Yes	Enter the file type, S for the Submittal Report, R for the Resubmittal Report, or E for the Error Report. The default is S .	S - Submittal Report R - Resubmittal Report E - Error Report
File Export Type	Yes	Enter the file export type, F for fixed width format (.dat), C for comma separated values (.csv), or T for table. The default is T . When T is entered, the output is sent to the Gainful Employment File Maintenance Table (SFRGEFM). Population selection can only be used when this parameter is set to T for the initial run of output to a table. After this run, the Batch ID parameter is used.	F - Fixed width format (.dat) C - Comma separated values (.csv) T - Table (SFRGEFM)
Medical Dental Attribute	No	Enter the student attribute code for medical or dental residency.	Student Attribute Validation Form (STVATTS)
Effective Withdrawal Date	Yes	Enter Y to use the withdrawal date for the student from SFRWDRL. If the SFRWDRL date is not available, the date from SFBETRM is used (enrollment status date from SFAESTS). Enter N to	Y - Use withdrawal date N - Do not use withdrawal date

Parameter Name	Required?	Description	Values
		not use the withdrawal date. The default is N.	
Process by Student Period	Yes	This parameter is required. Enter Y to process the first time enrollment status by student centric period for the report or N to not process the first time enrollment status. The default is N.	Y - Process first time enrollment status by student centric period N - Do not process first time enrollment status by student centric period
Application Code	No	Enter the code that identifies the general area for which the selection identifier was defined. All or none of the population selection parameters must be entered. The Population Selection Extract Inquiry Form (GLIEXTR) may be used to review the people who will be processed in the load from the selection identifier and application code entered.	Application Inquiry Form (GLIAPPL)
Selection Identifier	No	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Inquiry Form (GLISLCT). All or none of the population selection parameters must be entered.	Population Selection Inquiry Form (GLISLCT)
Creator ID	No	Enter the user ID of the person creating the sub-population rules. The creator ID must have been	

Parameter Name	Required?	Description	Values
		specified when defining the selection identifier. All or none of the population selection parameters must be entered.	
User ID	No	Enter the user ID for the population selection. This will match the creator ID and is the Banner logon user ID. All or none of the population selection parameters must be entered.	
OPEID or Third Party Code	No	Enter the eight digit code used in the header and trailer records on the report. This parameter is required when using the NSC.	
File Path	No	Enter the file path for the error or resubmittal report.	
Match on ID	No	Enter Y to match on ID/SSN only or N to match on ID/SSN and last name.	Y - Match on ID/SSN N - Match on ID/SSN and last name
Error File Type	No	Enter the file type for the GE Error/Acknowledgement File. Enter F for fixed width format (.dat) or C for comma separated values (.csv). This parameter is required when the GE File Type parameter is set to E , or when the GE File Type parameter is set to R , and the File Export	F - Fixed width format (.dat) C - Comma separated values (.csv)

Parameter Name	Required?	Description	Values
		Type parameter is set to T.	
File Name	No	Enter the file name for the error or resubmittal report.	

Gainful Employment Purge Process (SFPGEED)

This purge process is used to remove the records from the Gainful Employment File Maintenance Table (SFRGEFM) for an aid year or a batch ID or both. Run the process in Audit mode to check the data to be purged and Update mode to update the database.

Parameter Name	Required?	Description	Values
Aid Year Code	Yes	Enter the aid year for which students are to be purged.	
		Values come from the Financial Aid Process Year field on STVTERM.	
Batch ID	No	Enter the batch ID for the SFRGEED report to be purged.	
Run Mode	Yes	Enter A to run in Audit mode and print an audit report for fee assessment. Enter U to update the database records. The default is A.	A - Audit mode U - Update mode

Student Block Pre-Assignment Process (SFPSBPA)

This process is used with block registration processing in Banner Student Registration 9.x.

The Student Block Pre-Assignment Process (SFPSBPA) is used to pre-assign a block to a specific student, to multiple students, or to a selected population. Population selection parameters are used to pre-assign a block to more than one student ID at a time. The rules defined in the Block Rules Definition Page (SFABRDF) are used to pre-assign a block to the student. The pre-assigned block is displayed as Suggested in Banner Student Self-Service Registration.

Note: Before the Student Block Pre-Assignment Process (SFPSBPA) is run, the CRNs must be associated with a block on the Block Schedule Control Page (SFABLCK).

Only one block can be pre-assigned to the student at a time, using the Student Block Pre-Assignment Process (SFPSBPA). If a student is permitted to select multiple blocks in Self-Service, based on the rule defined in SFABRDF, then the system identifies the block with fewer pre-assigned students and pre-assigns it to the student. This ensures equal distribution of students to all the available blocks that are associated with the rule. After the block has been pre-assigned to the student, the Student Block Pre-Assignment Page (SFABLPA) can be used to verify the assignment.

When two block rules apply to a student but the defined priorities are different, the rule with highest priority (lowest priority number) will be selected for pre-assigning a block to a student. When two rules match exactly and the defined priorities are the same, the first one found is selected for pre-assigning a block to a student.

The SFPSBPA process does not require that any permit/override options be checked on the Registration Permit-Overrides Control Page (SFAROVR). The process will display a message in the `.log` file when the override code defined on the Pre-Assigned Block Configuration Page (SFAPABC) is not defined on SFAROVR or does not have any options checked. The override code on SFAPABC is ignored by the process in this case.

When a term is selected for registration, SFPSBPA uses the specific term associated with the rule on SFABRDF instead of using an effective term. The process must use a term that is exact to the rule, not a term that falls within a range or comes after a particular term. For example, for term 201610, a rule must exist on SFABRDF for that term. The rule cannot be for a term within a range of 201510 to 201710 or for a term that comes after term 201510.

Parameter Name	Required?	Description	Values
Term Code	Yes	Enter the term code to be used for block pre-assignment.	Term Code Validation Page (STVTERM)
Selection Identifier	No	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Inquiry Page (GLISLCT). All or none of the population selection parameters must be entered.	Population Selection Inquiry Page (GLISLCT)
Selection Application	No	Enter the code that identifies the general area for which the selection identifier was defined. All or none of the population	Application Inquiry Page (GLIAPPL)

Parameter Name	Required?	Description	Values
		selection parameters must be entered.	
		The Population Selection Extract Inquiry Page (GLIEXTR) may be used to review the people who will be processed in the load from the selection identifier and application code entered.	
Selection Creator ID	No	Enter the user ID of the person creating the sub-population rules. The creator ID must have been specified when defining the selection identifier. All or none of the population selection parameters must be entered.	
Selection User ID	No	Enter the user ID for the population selection. This will match the creator ID and is the Banner logon user ID. All or none of the population selection parameters must be entered.	
ID Number	No	Enter the SPRIDEN ID of the student to be included in block pre-assignment.	
Level Code	No	Enter the level code for block pre-assignment.	Level Code Validation Page (STVLEVL)
		The level code is validated against the existing student curriculum records in	

Parameter Name	Required?	Description	Values
		the Learner Curricula Table (SORLCUR).	
College Code	No	Enter the college code for block pre-assignment. The college code is validated against the existing student curriculum records in the Learner Curricula Table (SORLCUR).	College Code Validation Page (STV COLL)
Program Code	No	Enter the program code for block pre-assignment. The program code is validated against the existing student curriculum records in the Learner Curricula Table (SORLCUR).	Program Definitions Rules Page (SMARPLE)
Major Code	No	Enter the field of study code for block pre-assignment. The field of study code is validated against the existing student curriculum records in the Learner Curricula Table (SORLCUR).	Major, Minor, Concentration Code Validation Page (STVMAJR)
Student Type	No	Enter the student type code for block pre-assignment. The student type code is validated against the existing student curriculum records in the Learner Curricula Table (SORLCUR).	Student Type Code Validation Page (STVSTYP)

Parameter Name	Required?	Description	Values
Student Class	No	Enter the student class code for block pre-assignment. The student class code is validated against the existing student curriculum records in the Learner Curricula Table (SORLCUR).	Class Code Validation Page (STVCLAS)
Sort Type	No	Enter the sort type for all students retrieved by the process. Choices are: <ul style="list-style-type: none"> • A - Alphabetical. Students are sorted in alphabetical order. This is the default. • G - GPA. Students are sorted by their GPAs. • T - Test Score: The process sorts records based on freshman student registration and then on test scores. 	A - Alphabetical sort G - GPA sort T - Test score sort
Test Code	No	Enter the test code for block pre-assignment. If the <code>Test Score</code> sort type is selected in the Sort Type parameter, then this parameter must be entered.	Test Code Validation Page (STVTESC)
Override Assigned Block? [Y/N]	Yes	Enter <code>Y</code> to delete the previously pre-assigned block before a new block is pre-assigned to a student for a given term.	Y - Delete the previously pre-assigned block record and insert a new record

Parameter Name	Required?	Description	Values
		<p>Enter N not to override the previously pre-assigned block to a student for a given term.</p> <p>Manually pre-assigned blocks will be overridden by the process.</p>	N - Do not override previously pre-assigned block records
Verify Capacity? [Y/N]	Yes	<p>Enter Y to verify the block capacity defined on the Block Schedule Control Page (SFABLCK) during the pre-assignment of a block to the student, using the Student Block Pre-Assignment Process (SFPSBPA).</p> <p>Enter N not to verify the block capacity defined on SFABLCK during the pre-assignment of a block to the student, using the SFPSBPA.</p>	<p>Y - Verify the block capacity during pre-assignment</p> <p>N - Do not verify block capacity during pre-assignment</p>
Generate Ovr Permission? [Y/N]	Yes	<p>Enter Y to update the previous override code for the block in the Block Web Student Pre-Assigned Table (SFRBLPA).</p> <p>Enter N to not update the previous override code for the block in the SFRBLPA table.</p>	<p>Y - Update the previous override code for the block</p> <p>N - Do not update the previous override code for the block</p>
Detailed Report [Y/N]	Yes	<p>Enter Y to generate a detailed report that includes listing the block information, the students who are pre-assigned to the block, and so on.</p>	<p>Y - Generate a detailed report</p> <p>N - Do not generate a detailed report</p>

Parameter Name	Required?	Description	Values
		Enter N to not generate a detailed report.	
Enter Run Mode [A/U]	Yes	Enter A to run the process in Audit Mode and produce a report for distribution results and fee assessment. Enter U to update the database records. The default is A . If A (Audit Mode) is used to view the distribution results, then the Override Assigned Block parameter will be ignored.	A - Audit Mode U - Update Mode
Curriculum	Yes	Enter A to validate the curriculum code entered against all the curriculum records (both primary and secondary) in the Learner Curricula Table (SORLCUR). Enter P to validate the curriculum code entered against only the primary curriculum records in the Learner Curricula Table (SORLCUR).	A - All curriculum records P - Primary curriculum records

Incomplete Registration Report (SFRIBLR)

This report is used with block registration processing in Banner Student Registration 9.x.

The Incomplete Block Registration Report (SFRIBLR) is used to retrieve details of students who have not been successfully registered for all the CRNs in a registration block. The report output is grouped by the student's college, level, major, program, and ID. Student type and student class are also reported.

A report can be produced for a specific student ID or for a population selection. If a population or single ID is not specified, the report is processed for all the students.

Note: When the Report Level parameter is set to C (Catalog), processing does not validate the schedule type for the CRNs/sections. For example, if you have CHEM 101 Lecture and CHEM 101 Lab, and only the lecture has been selected for registration, the Catalog report level does not recognize that the lab is missing. The Schedule report level does return the CHEM 101 Lab as missing.

Parameter Name	Required?	Description	Values
Term Code	Yes	Enter the term code for which you want to see incomplete registration records.	Term Code Validation Page (STVTERM)
Selection Identifier	No	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Inquiry Page (GLISLCT). All or none of the population selection parameters must be entered.	Population Selection Inquiry Page (GLISLCT)
Selection Application	No	Enter the code that identifies the general area for which the selection identifier was defined. All or none of the population selection parameters must be entered. The Population Selection Extract Inquiry Page (GLIEXTR) may be used to review the people who will be processed in the load from the selection identifier and application code entered.	Application Inquiry Page (GLIAPPL)
Selection Creator ID	No	Enter the user ID of the person creating the sub-population	

Parameter Name	Required?	Description	Values
		rules. The creator ID must have been specified when defining the selection identifier. All or none of the population selection parameters must be entered.	
Selection User ID	No	Enter the user ID for the population selection. This will match the creator ID and is the Banner logon user ID. All or none of the population selection parameters must be entered.	
ID	No	Enter the SPRIDEN ID of the student to be included in the incomplete registration results.	
Level	No	Enter the level code for incomplete registration. The level code is validated against the existing student curriculum records in the Learner Curricula Table (SORLCUR).	Level Code Validation Page (STVLEVL)
College	No	Enter the college code for incomplete registration. The college code is validated against the existing student curriculum records in the Learner Curricula Table (SORLCUR).	College Code Validation Page (STVCOLL)
Program	No	Enter the program code for incomplete registration.	Program Definitions Rules Page (SMARPLE)

Parameter Name	Required?	Description	Values
		The program code is validated against the existing student curriculum records in the Learner Curricula Table (SORLCUR).	
Major	No	<p>Enter the field of study code for incomplete registration.</p> <p>The field of study code is validated against the existing student curriculum records in the Learner Curricula Table (SORLCUR).</p>	Major, Minor, Concentration Code Validation Page (STVMAJR)
Student Type	No	<p>Enter the student type code for incomplete registration.</p> <p>The student type code is validated against the existing student curriculum records in the Learner Curricula Table (SORLCUR).</p>	Student Type Code Validation Page (STVSTYP)
Student Class	No	<p>Enter the student class code for incomplete registration.</p> <p>The student class code is validated against the existing student curriculum records in the Learner Curricula Table (SORLCUR).</p>	Class Code Validation Page (STVCLAS)
Report Level [C/S]	Yes	<p>Enter c to report the catalog level.</p> <p>Enter s to report the schedule level.</p>	<p>C - Catalog level report</p> <p>S - Schedule level report</p>

Parameter Name	Required?	Description	Values
Detailed Report [Y/N]	Yes	Enter Y to generate a detailed report that includes listing the block information, the students who are pre-assigned to the block, and so on. Enter N to not generate a detailed report.	Y - Generate a detailed report N - Do not generate a detailed report

Student Projection Process (SFPPROJ)

This process is used with projected registration processing in Banner Student Registration 9.x.

This Java process takes CAPP compliance results, generates the list of projected courses, applies filters, verifies prerequisites and corequisites, and marks the most probable courses for registration. Students are selected and processed by ID or population selection when CAPP compliance results exist for the term. Only students that match the selected college, major, and student type are selected.

CAPP compliance for the primary program is used when study paths are not active. When study paths are active, CAPP compliance results are used for each active program that needs to be processed for projections. When the Curriculum parameter is set to **P**, only primary curriculum records are processed.

Not-met courses are identified from CAPP compliance results from each row of courses attached to areas and rules.

- When the subject and course number are specified, that course is included in the projection.
- When a subject with a range of course numbers is specified, all courses with the subject in the range of course numbers are included in the projection.
- When only the subject is specified, no courses are included in the projection, but the subject is projected.
- When a rule only includes attributes, no courses are included in the projection, but the attribute is projected.
- When a rule only includes the course number, no courses are included in the projection, but the course number is projected.
- When the rule description contains the elective rule key specified on SOATERM, courses are marked as electives in the projection. Rules are designated as elective on the Projection Maintenance Page (SFAPROJ).

Note: Lists of projected courses generated previously for the term are deleted when the process is run.

Name	Required?	Description	Values
Registration Term	Yes	Enter the term code for the projected term being processed for the student.	Term Code Validation Page (STVTERM)
Schedule Term	No	<p>Enter the schedule term to be processed.</p> <p>This term is used when the Pre-req checking? [Y/N] parameter or the Co-req checking? [Y/N] parameter is set to Y.</p> <p>If no value is entered, the term entered in the Registration Term parameter is used for the schedule term.</p>	Term Code Validation Page (STVTERM)
Selection Identifier	No	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Inquiry Page (GLISLCT). All or none of the population selection parameters must be entered.	Population Selection Inquiry Page (GLISLCT)
Selection Application	No	<p>Enter the code that identifies the general area for which the selection identifier was defined. All or none of the population selection parameters must be entered.</p> <p>The Population Selection Extract Inquiry Page (GLIEXTR) may be used to review the people who will be processed in the load</p>	Application Inquiry Page (GLIAPPL)

Name	Required?	Description	Values
		from the selection identifier and application code entered.	
Selection Creator ID	No	Enter the user ID of the person creating the sub-population rules. The creator ID must have been specified when defining the selection identifier. All or none of the population selection parameters must be entered.	
Selection User ID	No	Enter the user ID for the population selection. This will match the creator ID and is the Banner logon user ID. All or none of the population selection parameters must be entered.	
ID Number	No	Enter the ID number for the student being processed. If this parameter is not used, the population selection parameters must be used. If the population selection parameters are not used, this parameter must be used.	
College	No	Enter the college code for the student.	College Code Validation Page (STV_COLL)
Major	No	Enter the major code for the student.	Major, Minor, Concentration Code Validation Page (STV_MAJR)

Name	Required?	Description	Values
Student Type	No	Enter the student type code for the student.	(STVSTYP)
Curriculum	Yes	Enter P to use the primary curriculum record for the student or A to use all curriculum records. The default is P .	P - Primary curriculum record A - All curriculum records
Campus	No	Enter the campus code for the student. The campus code is used with prerequisite and corequisite checking.	Campus Code Validation Page (STVCAMP)
Included Offered Courses [Y/N]	No	Enter Y to include only offered courses in processing or N to include all courses. The default is N .	Y - Offered courses N - All courses
Pre-req checking? [Y/N]	No	Enter Y to execute prerequisite checking during processing or N to not use prerequisite checking. The default is Y .	Y - Use prerequisite checking N - No prerequisite checking
Co-req checking? [Y/N]	No	Enter Y to execute corequisite checking during processing or N to not use corequisite checking. The default is Y .	Y - Use corequisite checking N - No corequisite checking

Schedule Planning Report (SFRPRES)

This report is used with projected registration processing in Banner Student Registration 9.x.

The report produces a list of courses with the expected number of students to be registered in each active course in the Course Catalog. This can assist with schedule planning for the upcoming term. The numbers returned are based on the most probable courses for all available

term projections. Historic enrollment data from two previous terms is included in the report, and courses are grouped by college and department.

Name	Required?	Description	Values
Term	Yes	Enter the term code for the projected term to be processed. Multiple codes can be entered.	Term Code Validation Page (STVTERM)
College	No	Enter the college code for the college to be included. Multiple codes can be entered.	College Code Validation Page (STVCOLL)
Department	No	Enter the department code for the department to be included. Multiple codes can be entered.	Department Code Validation Page (STVDEPT)

Course Program of Study Process (SFPCPOS)

The Course Program of Study Process (SFPCPOS) is a Java process used to identify courses in which a student is registered that count toward the student's program.

The packaged files that launch and execute the process include the `sfpcpos.jar` file and the `sfpcpos.shl` file. The process captures registration changes that are used to identify whether the courses in which a student is registered are counted toward the student's program or degree. GORRSQL rules are used to identify remedial and ESL classes.

Note: SFPCPOS can also be used to run financial aid repeat processing. Processing is based on defined rules and controls.

The process uses the registration term information on the Course Program of Study Control Form (SFACPSC) to determine the terms to be processed. It sends a request to CAPP or Degree Works for a degree evaluation or audit and reviews the data returned. It analyzes changes in registration, curriculum, or academic history records. It captures remedial courses and hours, English as a Second Language (ESL) courses, repeat coursework, and repeat hours calculations and stores/updates the data in the Student Course Evaluation Audit Table (SFRSCORE).

Additionally, the process can be run on demand by setting the 'On Demand Evaluation' parameter to Y. When the parameter is set to 'Y', an audit will be produced for a student or group of students without any change having occurred to the registration status, academic history status or curricula.

Warning! Running a Batch process (Parameter 01 = B) with on demand evaluation (Parameter 09 = Y) will result in SFPCPOS evaluation for every student and course in each active Term on the Course Program of Study Control Form (SFACPSC). This

can take an extensive amount of time and affect overall system performance. Please exercise caution.

The process can be run through job submission, or it can be scheduled to run automatically. It can also be executed as a sleep/wake process. The process can be run for a single student, a population selection, or for all students in batch.

Student records are updated and inserted into the SFRSCORE table. Records in CAPP are updated for use with the Degree Evaluation process. Records in Degree Works are updated for use with the Degree Audit Evaluation. The process logs the audit ID for the evaluation, and this can be used to check the results if needed.

Parameter Name	Required?	Description	Values
Run Mode	Yes	Enter the run mode for the process. Enter B (batch), P (population selection), or S (single student ID). The default is B .	B - Run in batch P - Run with population selection S - Run for a student ID
Selection Application Code	No	Enter the code that identifies the general area for which the selection identifier was defined. All or none of the population selection parameters must be entered. The Population Selection Extract Inquiry Form (GLIEXTR) may be used to review the people who will be processed in the load from the selection identifier and application code entered.	Application Inquiry Form (GLIAPPL)
Selection Identifier	No	Enter the code that identifies the population with which you want to work. The selection identifier must be defined on the Population Selection Inquiry Form (GLISLCT).	Population Selection Inquiry Form (GLISLCT)

Parameter Name	Required?	Description	Values
		of the population selection parameters must be entered.	
Selection Creator ID	No	Enter the user ID of the person creating the sub-population rules. The creator ID must have been specified when defining the selection identifier. All or none of the population selection parameters must be entered.	
Selection User ID	No	Enter the user ID for the population selection. This will match the creator ID and is the Banner logon user ID. All or none of the population selection parameters must be entered.	
Student ID	No	Enter the ID of the specific student to be processed. This parameter is used when the Run Mode parameter is set to S.	
Run in Sleep/Wake Mode	Yes	Enter Y to start sleep/wake cycling for this process. The default is N.	Y - Use sleep/wake processing N - Do not use sleep/wake processing
Sleep Interval	No	Enter the time in seconds to process pauses before resuming execution. This parameter is used when the Run in Sleep/Wake Mode parameter is set to Y. The lowest enterable value is 1. The highest enterable value is	

Parameter Name	Required?	Description	Values
		86400. The default is 60.	
On Demand Evaluation	No	This feature enables the user to run SFPCPOS for a student, or group of students, without any change having occurred to the Registration Status, Academic History or Curricula.	Y - Use On Demand Evaluation processing N or (null) - Do not use On Demand Evaluation processing
