



F E D E R A L  
S T U D E N T A I D

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**FSA Modernization Partner**

NSLDS II Reengineering  
System Interface Detail Design:  
Schools –Enrollment Reporting Interfaces  
I-SCHL-1

Version 1.1

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### Document Control

<b>Version Number</b>	<b>Description</b>	<b>Release Date</b>	<b>Author</b>
1.0	Initial Issue	11/08/2002	Troy Edwards
1.1	Updated Data Element names on pages 13, 14, 23, 24, 33, and 34.	11/26/2002	Troy Edwards

## 1 Schools Interfaces

Schools will interface with NSLDS II in several ways. The first interface with NSLDS II is through the Enrollment Reporting Process, previously known as the Student Status Confirmation Report (SSCR) process. In this process, Schools update NSLDS II concerning enrollment data for students enrolled in their school. Guaranty Agencies (GA's) and Lenders use this information to determine when a student graduates or withdraws. The type of information updated includes a student's anticipated completion date, enrollment status and effective date. The second type of information that NSLDS II will receive from Schools is Perkins Loan Data. Schools must provide information to NSLDS II about Federal Perkins Loan activity on at least a monthly basis. NSLDS II also provides Schools with Financial Aid History (FAH), formerly known as the Financial Aid Transcript (FAT) information. The FAH provides a summarization of all Title IV financial aid received by a student.

Schools will also interface with NSLDS II as part of the Transfer Monitoring process. This process assists in tracking financial aid history changes for a student who is transferring from one institution to the next in the same academic year. A school can send a batch file request to NSLDS II containing a list of students that they would like to have monitored. NSLDS II monitors changes in the particular students financial aid history that could impact eligibility. If changes are identified, a transfer monitoring batch file will be sent through SAIG to those schools requesting batch inform files (schools may also choose to view data directly through the Financial Aid Professional website instead of receiving a batch file from NSLDS II).

A School has the option to contract out processes such as Enrollment Reporting and Perkins Submission to a Servicer. One such Servicer is the National Student Clearinghouse (Clearinghouse). The interfaces with NSLDS II are the same for Schools and for Servicers acting on a Schools behalf. Currently, there are 2,804 Schools that use the Clearinghouse for Enrollment Reporting; 1,233 Schools that use 19 additional Servicers; and 2,899 Schools report directly to NSLDS.

The Schools interfaces include:

- Enrollment Reporting Roster File (**Section 1.2**)
- Enrollment Reporting Submittal File (**Section 1.3**)
- Enrollment Reporting Acknowledgment/Error File (**Section 1.4**)
- Enrollment Reporting Error Correction File (**Section 1.5**)
- Perkins Submittal File (**See Document I-SCHL-2**)
- Perkins Load Process Error File (**See Document I-SCHL-2**)
- Perkins Error Submittal Summary Notification File (**See Document I-SCHL-2**)
- FAH Request File (**See Document I-SCHL-3**)
- FAH Results File (**See Document I-SCHL-3**)
- Transfer Monitoring Inform File (**See Document I-SCHL-4**)
- Transfer Monitoring Acknowledgement/Error File (**See Document I-SCHL-4**)
- Transfer Monitoring Results File (**See Document I-SCHL-4**)

## 1.1 System Specifics

### 1.1.1 NSLDS II

Item	Description
Production Platform (Vendor/Product Name/Version)	IBM/ Cluster 1600 Server/ 4 p-Series 660 Model 6M1 4 FastT500 Arrays
Operating System (Vendor/Product Name/Version)	Unix/AIX/V 5.1 Parallel Systems Support Program (PSSP)
DBMS (Vendor/Product Name/Version)	IBM/DB2 Universal Database (UDB)/Enterprise Extended v. 7.2
Transmission Protocol	TCP/IP
Production System IP Address	TBD
Production System Location	Meriden, CT
Contracting Organization	Accenture – Modernization Partner
Developer Location	Modernization Partner Offices – Washington DC

### 1.1.2 SAIG

Item	Description
Production Platform (Vendor/Product Name/Version)	HP / L3000
Operating System (Vendor/Product Name/Version)	HP Unix v 11.0
DBMS (Vendor/Product Name/Version)	Oracle v8.17
Transmission Protocol	TCP/IP
Production System IP Address	4.20.17.220
Production System Location	Meriden, CT
Contracting Organization	NCS Pearson
Developer Location	Iowa City, Iowa

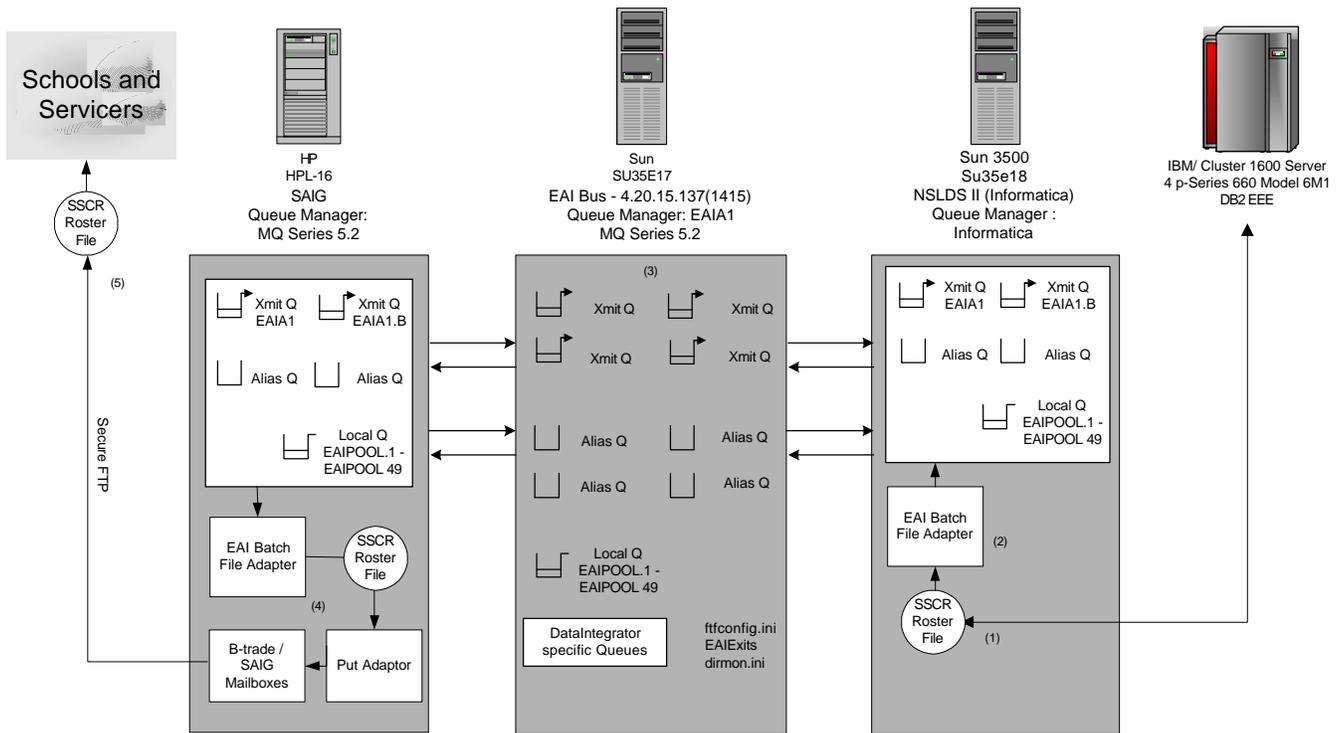
## 1.2 Roster File Interface

### 1.2.1 Interface Control Specifications

<b>Interface Name:</b>	Roster File Interface
<b>Interface Type/Direction:</b>	Unidirectional, Batch Type
<b>Interface Short Description:</b>	This section defines the processes utilized by NSLDS II to send Rosters

	<p>to Schools/Serviceers via the EAI BUS and SAIG</p> <p>The Roster process is initiated anywhere from 2 – 52 times per year. The School/Serviceer determines the frequency and the schedule for the enrollment process at the beginning of each year. Schools/Serviceers are also able to update their rosters online using the NSLDS II Financial Aid Professionals (FAP) site. If a school does not choose a certain frequency, the default frequency will be set for every other month (Schools are encouraged to set the frequency to at least bi-monthly). When a student's enrollment changes affect their eligibility, a School must notify the lender within 30 days unless a Roster submission is scheduled within the next 60 days.</p> <p>The first step in the Enrollment Reporting process is for NSLDS II to generate and send a Roster file to each School/Serviceer. Once the School receives the Roster, they have 30 days to update the roster with any student status changes. After the roster has been updated, the school will transmit the updated Submittal file to NSLDS II through SAIG. NSLDS II (Informatica) will receive the Submittal file and perform the necessary edits and validations. NSLDS II will generate an Acknowledgment/Error Notification File that is sent to the School (the file is sent regardless of whether an error is present). If errors are included in the Acknowledgement/Error File, the School is responsible for fixing errors and resubmitting the Error Correction File. Schools are required to fix errors and submit an Error Correction file to NSLDS II within ten days. Schools can also correct errors through the FAP website.</p>
<b>Requesting Application: or Source Application:</b>	NSLDS II is the source of the Roster file
<b>Responding Application: or Destination Application:</b>	Schools/Serviceers receive the Roster File via SAIG
<b>Detailed Technical Requirement References:</b>	5.047
<b>Interface Usage Frequency:</b>	2 to 52 times per year per school (varies by school)
<b>Interface Usage Volume:</b>	1,167 Average Records (per file), 385KB Average File Size
<b>Output Media:</b>	Flat File
<b>Transmission Mechanism:</b>	EAI Bus through SAIG

### 1.2.2 Interface Flow



### 1.2.3 Interface Flow Description

1. The NSLDS II system (Informatica) will initiate a process to create the Roster file
2. The EAI Batch File Adapter will move the file to the EAI BUS
3. The EAI BUS will route the file to the SAIG server.
4. The EAI Batch File Adapter will move the file to the SAIG server where it will be placed in the appropriate B-Trade mailbox.
5. The school/Service provider will retrieve the Roster file from its B-Trade mailbox

### 1.2.4 Source System Functional Specifications

#	Responsibility
1	NSLDS II will extract the Roster File and save it as a flat file.
2	The data extracted will be laid out as in section 1.2.8 Each record will consist of: One Header Record One or more Detail Records One Trailer Record Layout
3	An EAI batch file adapter will be supplied to initiate the file transfer from NSLDS II to SAIG.
4	NSLDS II will provide the EAI adaptor file transfer utility with the following Input Parameters: Input File Name – TBD

5	Roster files submitted to Schools/Serviceers according to specific school schedules will use message class SSCRXOP.
6	<p>Field formats in the Roster file are:</p> <ul style="list-style-type: none"> <li>- <i>Character</i> denotes a field that may contain spaces, letters, or numbers in any combination—for example, 17 Magnolia Street. Character fields not specifically reported must be filled with spaces. If a field is said to require a value “greater than spaces,” the field must contain at least one letter or number.</li> <li>- <i>Numeric</i> denotes a field that must contain only numbers—for example, 1234567 as a Loan Sequence Number. Letters, special characters, or spaces in a numeric field are invalid. An entry of T491_24, for example, would not be accepted. Unless otherwise specified in the record layout, numeric fields not specifically reported must be filled with zeros.</li> <li>- <i>Date</i> fields must contain only numeric data, eight digits, and appear in the format CCYYMMDD, where: <ul style="list-style-type: none"> <li>⇒ CC = two-digit century</li> <li>⇒ YY = two-digit year</li> <li>⇒ MM = two-digit month designation (01-12)</li> <li>⇒ DD = two-digit day designation (01-31, depending on the month and year)</li> </ul> <p>Under this convention, an entry of <b>19950430</b> would be accepted, but <b>043095</b> would not. Unless otherwise specified in the record layout, date fields not specifically reported must be filled with zeros.</p> </li> <li>- <i>Date/Timestamp</i> fields add a timestamp immediately after the date and appear in the format HHMMSSNNNNNN, where: <ul style="list-style-type: none"> <li>⇒ HH = two-digit hour designation</li> <li>⇒ MM = two-digit minute designation</li> <li>⇒ SS = two-digit second designation</li> <li>⇒ NNNNNN = six-digit nanosecond designation</li> </ul> <p>* The field’s full format is CCYYMMDDHHMMSSNNNNNN.</p> </li> </ul>

### 1.2.5 Destination System Functional Specifications

#	Responsibility
1	The EAI BUS will deliver the Roster File to the SAIG server.
2	The EAI Adaptor takes the following information as input: Queue manager name - TBD Queue name - TBD Sync point counter - TBD Output file name - TBD

3	The MQSeries Trigger Monitor will trigger the SAIG Put adaptor to place the Enrollment Roster file into the school or servicer's B-Trade mailbox
4	Schools/Servicers are required to validate all data contained in the Roster, Certify the data, and return to NSLDS II as a Submittal file within 30 days

### 1.2.6 Interface Assumptions

#	Assumption
1	MQSeries Queue Manager is installed / configured for the NSLDS II / SAIG environment.
2	The EAI architecture will be configured to support the transfer of data from NSLDS II to SAIG.
3	An initiative in legacy NSLDS is underway to promote the use of the FAP website in the Enrollment Reporting Process. Participants using the web are able to view their Roster online, change data and certify the Roster. If a School/Servicer uses the web to perform its Enrolment Reporting responsibilities with NSLDS II, the current batch process for that school will not be necessary. NSLDS II will support the Enrollment Reporting batch process, while promoting the use of the web in this process.
4	This interface is designed based on the current specifications in legacy NSLDS. Any subsequent changes or modifications to the interface must be incorporated into the design at a later date.

### 1.2.7 Error Messages

Code	Message
NA	NA

## 1.2.8 File Layout

### Header Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
SSCR Sequence Number	1 - 7	7	Num	A 7-digit number used to verify the proper location of the Header Record in the SSCR Roster or Submittal File	Must equal "0000000".	SSCR_Transmittal_Detail/D_SSCR_Sequence_Number
SSCR Header Title	8 - 25	18	Char	Contains "SSCR ROSTER HEADER".	NA	NA
Filler	26 - 28	3	Char	Blank field to complete full record length.	NA	NA
Code for School	29 - 36	8	Num	An eight-digit ED Office of Postsecondary Education (OPE) code used to identify the school.	Must be all numbers. Must be valid OPE ID	Sch/Code
SSCR Create Date/Time stamp	37 - 56	20	Char	Date and time that SSCR Roster File was produced by NSLDS II.	Must be a valid date format	Generated as part of interface program
Certification Date	57 - 64	8	Char	Date the school processes the SSCR Roster File. At this time it becomes the SSCR roster file.	Filled in by School/Service Certification date must be less than current date Certification date must be greater than the CCYYMMDD portion of the Create Date/Timestamp	SSCR_Ros_Curr_Val/Certification_Date

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
SSCR File Type	65 – 65	1	Char	Indicates that this is the SSCR Roster File or Submittal File. Will be E for Acknowledgement/Error File, R for Roster/Submittal File, or A for ad hoc reporting	Must be R, A, or E	NA
Filler	66- 330	265	Char	Blank field to complete full record length.	NA	NA

**Detail Record Layout**

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
SSCR Sequence Number	1 – 7	7	Num	First Detail record = “0000001” Succeeding records are incremented by 1.	NA	SSCR_Transmittal_Detail/D_SSCR_Sequence_Number
Student’s Social Security Number	8 – 16	9	Char	Social Security Number of a Title IV recipient.	For NSLDS-provided records, the value must match SSN in Roster File.	SSCR_Ros_Curr_Val/Stu_Curr_SSN
Student’s Social Security Number Indicator	17 – 17	1	Char	A single-character indicator showing whether the Student’s Social Security Number is real or pseudo.	Must be R (for “real”) or P (for “pseudo”).	SSCR_Ros_Curr_Val/Stu_Cur_Pseudo_Ind

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Student's Last Name	18 – 52	35	Char	Current last name of the Title IV aid recipient.  If the student has no last name, this field contains NLN.	NA	SSCR_Ros_Curr_Val/Stu_Curr_Last
Student's First Name	53 – 64	12	Char	First name of the Title IV aid recipient.  If the student has no first name, this field contains NFN (no first name).	Must match value in NSLDS database for Submittal File	SSCR_Ros_Curr_Val /Stu_Curr_FST
Student's Middle Initial	65 – 65	1	Char	Middle Initial of Title IV aid recipient.	NA	SSCR_Ros_Curr_Val /Stu_Mid_Init
Student's Date of Birth	66 – 73	8	Date	Date on which the Title IV aid recipient was born.	Must contain all numbers. MM must be a value from 01-12; DD must be a value from 01-31, depending on the month and year	SSCR_Ros_Curr_Val /Stu_DOB
Filler	74 – 138	64	Char	Filler	NA	NA

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Anticipated Completion Date	139 – 146	8	Date	Date when a student is scheduled to complete course requirements.	For Submittal File: Must be all numeric. MM must be a value from 01-12; DD must be a value from 01-31, depending on the month and year; CC must be 19 or 20.  If the Enrollment Status Code equals A, F, or H, this date must be greater than the Certification Date and the Enrollment Status Effective Date.  If the Enrollment Status Code equals G, this field must equal the Enrollment Status Effective Date.	SSCR_Ros_Curr_Val /Anticipated_Completion_Date
Filler	147 – 289	143	Char	Filler	NA	NA
Code for Enrollment Status	290 – 290	1	Char	Code reflecting student's current enrollment status.	Must be a valid Enrollment Status Code, and must have a corresponding value in the Date Enrollment Status Effective field.  Must not be blank.	SSCR_Ros_Curr_Val /Enrl_Code

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Enrollment Status Effective Date	291 – 298	8	Char	Effective date a borrower entered current enrollment status.	For Submittal File: Must be all numeric.  MM must be a value from 01-12 and DD must be a value from 01-31, depending on the month and year.  There must be a corresponding value in the Code for Enrollment Status field.  Must be no more than 30 years in the past, based on the roster generation date.  Cannot be before the student's Date of Birth plus 12 years.	SSCR_Ros_Curr_Val /Enrl
School Identification Designator (ID)	299 – 318	20	Char	School-assigned designation used instead of the SSN to identify the Title IV aid recipient.	Optional Field No Edits performed	SSCR_Ros_Curr_Val/Stu_Br_Id_Code
Filler	319 – 330	12	Char	Blank field to complete full record length.	NA	NA

**Trailer Record Layout**

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
SSCR Sequence Number	1 – 7	7	Num	7 digit number used to verify the proper location of the Trailer Record in the Roster File.	Must equal "9999999"	SSCR_Transmittal_Detail/D_SSCR_Sequence_Number
SSCR Trailer Title	8 –26	19	Char	Contains "SSCR ROSTER TRAILER".	NA	NA

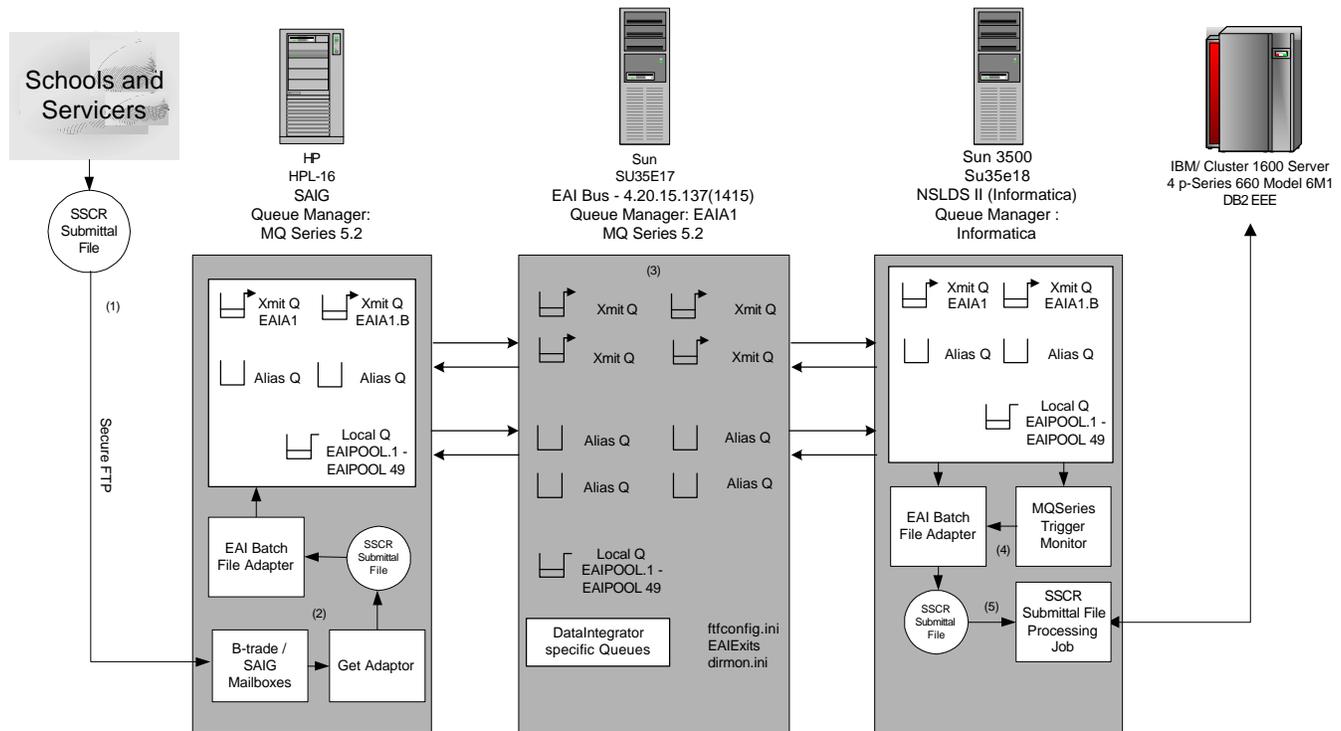
<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Number of Detail Records	27 - 34	8	Num	Number of Detail records in the file.	Must equal total number of Detail Records in the Submittal File.	NA
Filler	35 - 330	296	Char	Blank field to complete full record length.	NA	NA

## 1.3 Submittal File Interface

### 1.3.1 Interface Control Specifications

<b>Interface Name:</b>	Submittal File Interface
<b>Interface Type/Direction:</b>	Unidirectional, Batch Type
<b>Interface Short Description:</b>	<p>This section defines the processes utilized by Schools/Serviceirs to send Submittal files to NSLDS II via SAIG and the EAI BUS.</p> <p>The Roster process is initiated anywhere from 2 – 52 times per year. The School/Serviceir determines the frequency and the schedule for the enrollment process at the beginning of each year. Schools/Serviceirs are also able to update their rosters online using the NSLDS II Financial Aid Professionals (FAP) site. If a school does not choose a certain frequency, the default frequency will be set for every other month (Schools are encouraged to set the frequency to at least bi-monthly). When a student’s enrollment changes affect their eligibility, a School must notify the lender within 30 days unless a Roster submission is scheduled within the next 60 days.</p> <p>The first step in the Enrollment Reporting process is for NSLDS II to generate and send a Roster file to each School/Serviceir. Once the School receives the Roster, they have 30 days to update the roster with any student status changes. After the roster has been updated, the school will transmit the updated Submittal file to NSLDS II through SAIG. NSLDS II (Informatica) will receive the Submittal file and perform the necessary edits and validations. NSLDS II will generate an Acknowledgment/Error Notification File that is sent to the School (the file is sent regardless of whether an error is present). If errors are included in the Acknowledgement/Error File, the School is responsible for fixing errors and resubmitting the Error Correction File. Schools are required to fix errors and submit an Error Correction file to NSLDS II within ten days. Schools can also correct errors through the FAP website.</p>
<b>Requesting Application: or Source Application:</b>	Schools/Serviceirs are the source of the Submittal file
<b>Responding Application: or Destination Application:</b>	NSLDS II receives the Submittal File via SAIG
<b>Detailed Technical Requirement References:</b>	5.046
<b>Interface Usage Frequency:</b>	2 to 52 times per year per school (varies by school)
<b>Interface Usage Volume:</b>	851 Average Records (per file), 281KB Average File Size.
<b>Output Media:</b>	Flat File in EBCDIC Format
<b>Transmission Mechanism:</b>	SAIG through EAI Bus

### 1.3.2 Interface Flow



### 1.3.3 Interface Flow Description

1. The School / Servicer will create the Submittal file and send it via secure FTP to the appropriate B-Trade mailbox
2. The SAIG Get adaptor will retrieve the file from the mailbox and the Batch File Adapter will move the file to the EAI BUS
3. The EAI BUS will route the file to the NSLDS II (Informatica) server
4. The EAI Batch File Adapter will move the file to the NSLDS II (Informatica) server
5. NSLDS II (Informatica) will process the Submittal file

Invocation of EAI Batch File (receive) adapter may invoke the NSLDS II (Informatica) Submittal file processing job.

### 1.3.4 Source System Functional Specifications

#	Responsibility
1	Schools / Servicers will review the Roster file sent from NSLDS II, make appropriate changes and modifications, certify the Roster and send Submittal file back to NSLDS II within 30 days.
2	The data extracted will be laid out as in section 1.3.8 Each record will consist of: One Header Record

	One or more Detail Records One Trailer Record Layout
3	The Submittal file will be sent via secure FTP to the appropriate B-Trade mailbox.
4	An EAI batch file adapter will be supplied to retrieve the file from the B-Trade mailbox and initiate the file transfer from SAIG to NSLDS II.
5	SAIG will provide the EAI adaptor file transfer utility with the following Input Parameters: Input File Name - TBD
6	The Submittal file being sent back to NSLDS II will use message class SSCRXXIN. Field formats in the Submittal file are: <ul style="list-style-type: none"> <li>- <i>Character</i> denotes a field that may contain spaces, letters, or numbers in any combination—for example, 17 Magnolia Street. Character fields not specifically reported must be filled with spaces. If a field is said to require a value “greater than spaces,” the field must contain at least one letter or number.</li> <li>- <i>Numeric</i> denotes a field that must contain only numbers—for example, 1234567 as a Loan Sequence Number. Letters, special characters, or spaces in a numeric field are invalid. An entry of T491_24, for example, would not be accepted. Unless otherwise specified in the record layout, numeric fields not specifically reported must be filled with zeros.</li> <li>- <i>Date</i> fields must contain only numeric data, eight digits, and appear in the format CCYYMMDD, where: <ul style="list-style-type: none"> <li>⇒ CC = two-digit century</li> <li>⇒ YY = two-digit year</li> <li>⇒ MM = two-digit month designation (01-12)</li> <li>⇒ DD = two-digit day designation (01-31, depending on the month and year)</li> </ul> <p>Under this convention, an entry of <b>19950430</b> would be accepted, but <b>043095</b> would not. Unless otherwise specified in the record layout, date fields not specifically reported must be filled with zeros.</p> </li> <li>- <i>Date/Timestamp</i> fields add a timestamp immediately after the date and appear in the format HHMMSSNNNNNN, where: <ul style="list-style-type: none"> <li>⇒ HH = two-digit hour designation</li> <li>⇒ MM = two-digit minute designation</li> <li>⇒ SS = two-digit second designation</li> <li>⇒ NNNNNN = six-digit nanosecond designation</li> </ul> <p>*The field’s full format is CCYYMMDDHHMMSSNNNNNN.</p> </li> </ul>

### 1.3.5 Destination System Functional Specifications

#	Responsibility
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1	The EAI BUS will deliver the Submittal file to the NSLDS II (Informatica) server
2	The EAI Adaptor takes the following information as input: Queue manager name - TBD Queue name - TBD Sync point counter - TBD Output file name - TBD
3	The MQ Series Trigger Monitor may trigger a NSLDS II (Informatica) Submittal file processing job.
4	NSLDS II (Informatica) will generate an Acknowledgement/Error file that will be sent back to the submitting institution through SAIG. All errors identified during processing of the Submittal file will be included in the Acknowledgement/Error file.

### 1.3.6 Interface Assumptions

#	Assumption
1	MQSeries Queue Manager is installed / configured for the NSLDS II / SAIG environment.
2	The EAI architecture will be configured to support the transfer of data from SAIG to NSLDS II.
3	An initiative in legacy NSLDS is underway to promote the use of the FAP website in the Enrollment Reporting Process. Participants using the web are able to view their Roster online, change data and certify the Roster. If a School/Service uses the web to perform its Enrollment Reporting responsibilities with NSLDS II, the current batch process for that school will not be necessary. NSLDS II will support the Enrollment Reporting batch process, while promoting the use of the web in this process.
4	This interface is designed based on the current specifications in legacy NSLDS. Any subsequent changes or modifications to the interface must be incorporated into the design at a later date.

### 1.3.7 Error Messages

See Appendix A for Error Messages and Codes

### 1.3.8 File Layout

#### Header Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
SSCR Sequence Number	1 - 7	7	Num	A 7-digit number used to verify the proper location of the Header Record in the SSCR Roster or Submittal File	Must equal "000000".	NA
SSCR Header Title	8 - 25	18	Char	Contains "SSCR ROSTER HEADER".	NA	NA
Filler	26 - 28	3	Char	Blank field to complete full record length.	NA	NA
Code for School	29 - 36	8	Num	An eight-digit ED Office of Postsecondary Education (OPE) code used to identify the school.	Must be all numbers. Must be valid OPE ID.	Sch/Code
SSCR Create Date/Time stamp	37 - 56	20	Char	Date and time that SSCR Roster File was produced by NSLDS II.	Must be a valid date. For submissions, Data must match the date in the original Roster file sent to the school (Stu_Stat/SSCR_Job_Tstamp)	NA
Certification Date	57 - 64	8	Char	Date the school processes the SSCR Roster File. At this time it becomes the SSCR roster file.	Filled in by School/Service Certification date must be less than current date. Certification date must be greater than the CCYYMMDD portion of the Create Date/Timestamp.	Stu_Stat/Cert_DT

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
SSCR File Type	65 – 65	1	Char	Indicates that this is the SSCR Roster File or Submittal File. Will be E for Acknowledgement/Error File, R for Roster/Submittal File, or A for ad hoc reporting	Must be R	NA
Filler	66- 330	265	Char	Blank field to complete full record length.	NA	NA

**Detail Record Layout**

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
SSCR Sequence Number	1 – 7	7	Num	First Detail record = “0000001” Succeeding records are incremented by 1.	In the Submittal file, all records added by the school will use 9999998.	SSCR_Transmittal_Detail/D_SSCR_Sequence_Number
Student’s Social Security Number	8 – 16	9	Char	Social Security Number of a Title IV recipient.	For NSLDS-provided records, the value must match SSN in Roster File. For school-initiated records in the Submittal File, the value must match an SSN in the NSLDS database.	Stu/Curr_SSN
Student’s Social Security Number Indicator	17 – 17	1	Char	A single-character indicator showing whether the Student’s Social Security Number is real or pseudo.	Must be R (for “real”) or P (for “pseudo”). For Submittal File	Stu/Curr_Pseudo_Ind

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Student's Last Name	18 – 52	35	Char	Current last name of the Title IV aid recipient.  If the student has no last name, this field contains NLN.	Must match value in NSLDS database for Submittal File	Stu/Curr_Lst
Student's First Name	53 – 64	12	Char	First name of the Title IV aid recipient.  If the student has no first name, this field contains NFN (no first name).	Must match value in NSLDS database for Submittal File	Stu/Curr_Fst
Student's Middle Initial	65 – 65	1	Char	Middle Initial of Title IV aid recipient.	NA	Stu/Mid_Init
Student's Date of Birth	66 – 73	8	Date	Date on which the Title IV aid recipient was born.	Must contain all numbers. MM must be a value from 01-12; DD must be a value from 01-31, depending on the month and year	Stu/DOB
Filler	74 – 138	64	Char	Filler	NA	NA

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Anticipated Completion Date	139 – 146	8	Date	Date when a student is scheduled to complete course requirements.	For Submittal File: Must be all numeric.  MM must be a value from 01-12; DD must be a value from 01-31, depending on the month and year; CC must be 19 or 20.  If the Enrollment Status Code equals A, F, or H, this date must be greater than the Certification Date and the Enrollment Status Effective Date.  If the Enrollment Status Code equals G, this field must equal the Enrollment Status Effective Date.	Stu_Br/Antic_Compl_dt
Filler	147 – 289	143	Char	Filler	NA	NA
Code for Enrollment Status	290 – 290	1	Char	Code reflecting student's current enrollment status.	Must be a valid Enrollment Status Codes, and must have a corresponding value in the Date Enrollment Status Effective field.  Must not be blank.	Stu_Stat/Enrl_Code

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Enrollment Status Effective Date	291 – 298	8	Char	Effective date a borrower entered current enrollment status.	For Submittal File: Must be all numeric.  MM must be a value from 01–12 and DD must be a value from 01–31, depending on the month and year.  There must be a corresponding value in the Code for Enrollment Status field.  Must be no more than 30 years in the past, based on the roster generation date.  Cannot be before the student’s Date of Birth plus 12 years.	Stu_Stat/Eff_Dt
School Identification Designator (ID)	299 – 318	20	Char	School-assigned designation used instead of the SSN to identify the Title IV aid recipient.	Optional Filed No Edits performed	Stu_Br_ID/Code
Filler	319 – 330	12	Char	Blank field to complete full record length.	NA	NA

**Trailer Record Layout**

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
SSCR Sequence Number	1 – 7	7	Num	7 digit number used to verify the proper location of the Trailer Record in the Roster File.	Must equal “9999999”	NA
SSCR Trailer Title	8 –26	19	Char	Contains “SSCR ROSTER TRAILER”.	NA	NA

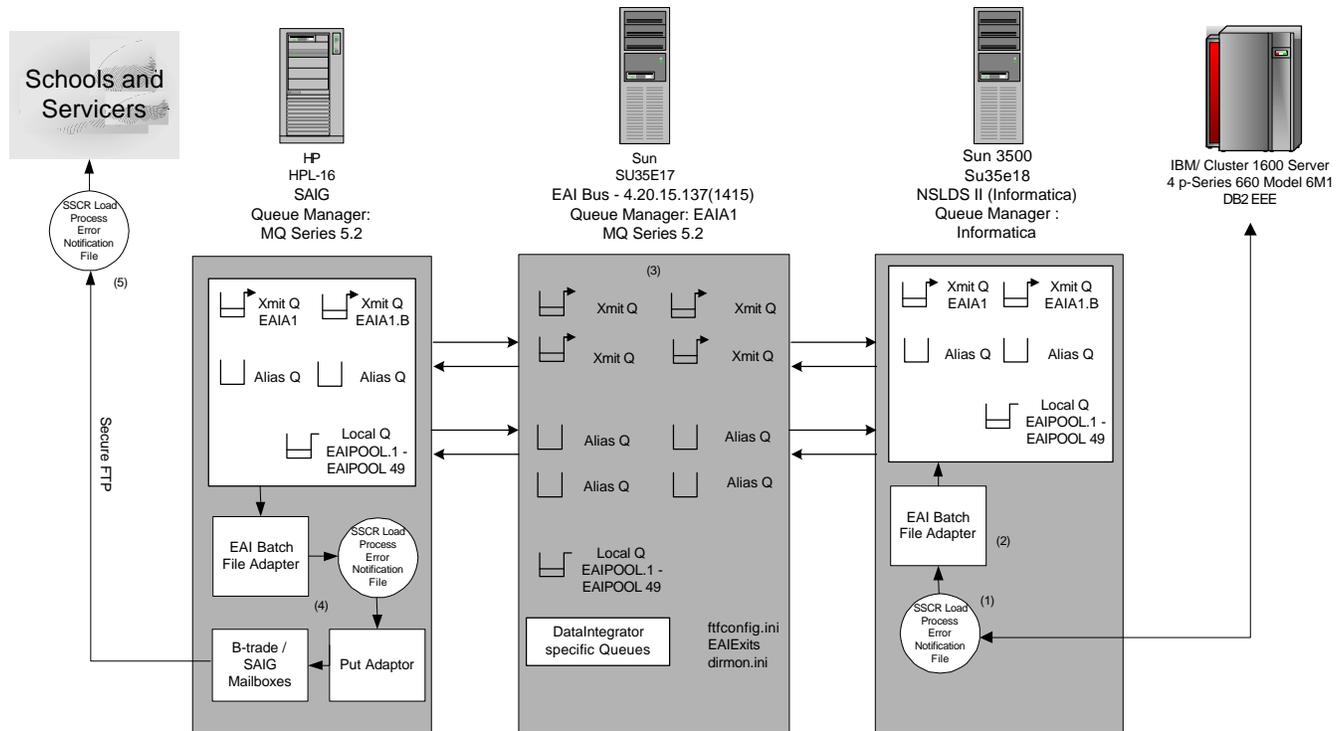
<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Number of Detail Records	27 - 34	8	Num	Number of Detail records in the file.	Must equal total number of Detail Records in the Submittal File.	NA
Filler	35 - 330	296	Char	Blank field to complete full record length.	NA	NA

## 1.4 Acknowledgement/Error File Interface

### 1.4.1 Interface Control Specifications

<b>Interface Name:</b>	Acknowledgement/Error File Interface
<b>Interface Type/Direction:</b>	Unidirectional, Batch Type
<b>Interface Short Description:</b>	<p>This section defines the processes utilized by NSLDS II to send Submittal files to Schools/Serviceers via SAIG and the EAI BUS</p> <p>The Roster process is initiated anywhere from 2 – 52 times per year. The School/Serviceer determines the frequency and the schedule for the enrollment process at the beginning of each year. Schools/Serviceers are also able to update their rosters online using the NSLDS II Financial Aid Professionals (FAP) site. If a school does not choose a certain frequency, the default frequency will be set for every other month (Schools are encouraged to set the frequency to at least bi-monthly). When a student’s enrollment changes affect their eligibility, a School must notify the lender within 30 days unless a Roster submission is scheduled within the next 60 days.</p> <p>The first step in the Enrollment Reporting process is for NSLDS II to generate and send a Roster file to each School/Serviceer. Once the School receives the Roster, they have 30 days to update the roster with any student status changes. After the roster has been updated, the school will transmit the updated Submittal file to NSLDS II through SAIG. NSLDS II (Informatica) will receive the Submittal file and perform the necessary edits and validations. NSLDS II will generate an Acknowledgment/Error File that is sent to the School (the file is sent regardless of whether an error is present). If errors are included in the Acknowledgment/Error File, the School is responsible for fixing errors and resubmitting the Error Correction File. Schools are required to fix errors and submit an Error Correction file to NSLDS II within ten days. Schools can also correct errors through the FAP website.</p>
<b>Requesting Application: or Source Application:</b>	NSLDS II is the source of the Acknowledgment/Error Notification File.
<b>Responding Application: or Destination Application:</b>	Schools receive Acknowledgment/Error File via SAIG
<b>Detailed Technical Requirement References:</b>	5.046
<b>Interface Usage Frequency:</b>	2 to 52 times per year per school (varies by school)
<b>Interface Usage Volume:</b>	18 Average Records (per file), 6KB Average File Size
<b>Output Media:</b>	Flat File in EBCDIC Format
<b>Transmission Mechanism:</b>	SAIG through EAI BUS

### 1.4.2 Interface Flow



### 1.4.3 Interface Flow Description

1. The NSLDS II (Informatica) will initiate a process to create the Acknowledgement/Error Notification file
2. The EAI Batch File Adapter will move the file to the EAI BUS
3. The EAI BUS will route the file to the SAIG server
4. The EAI Batch File Adapter will move the file to the SAIG server where it will be placed in the appropriate B-Trade mailbox
5. The School/Servicer will retrieve the Acknowledgment/Error Notification file from its B-Trade mailbox

Invocation of EAI Batch File (receive) adapter will invoke the SAIG Put process to place the Acknowledgement/Error file into the school's B-Trade mailbox

### 1.4.4 Source System Functional Specifications

#	Responsibility
1	NSLDS II (Informatica) will process the Submittal file and create an Acknowledgement/Error file. The file is created and sent back to the submitting institution even if the Submittal file contained no errors.

2	<p>The data extracted will be laid out as in section 1.4.8 Each record will consist of: One Header Record One or more Detail Records One Trailer Record Layout</p>
3	<p>An EAI batch file adapter will be supplied to initiate the file transfer from NSLDS II to SAIG.</p>
4	<p>NSLDS II will provide the EAI adaptor file transfer utility with the following Input Parameters: Input File Name - TBD</p>
5	<p>Field formats in Acknowledgment/Error file are:</p> <ul style="list-style-type: none"> <li>- <i>Character</i> denotes a field that may contain spaces, letters, or numbers in any combination—for example, 17 Magnolia Street. Character fields not specifically reported must be filled with spaces. If a field is said to require a value “greater than spaces,” the field must contain at least one letter or number.</li> <li>- <i>Numeric</i> denotes a field that must contain only numbers—for example, 1234567 as a Loan Sequence Number. Letters, special characters, or spaces in a numeric field are invalid. An entry of T491_24, for example, would not be accepted. Unless otherwise specified in the record layout, numeric fields not specifically reported must be filled with zeros.</li> <li>- <i>Date</i> fields must contain only numeric data, eight digits, and appear in the format CCYYMMDD, where: <ul style="list-style-type: none"> <li>⇒ CC = two-digit century</li> <li>⇒ YY = two-digit year</li> <li>⇒ MM = two-digit month designation (01-12)</li> <li>⇒ DD = two-digit day designation (01-31, depending on the month and year)</li> </ul> <p>Under this convention, an entry of <b>19950430</b> would be accepted, but <b>043095</b> would not. Unless otherwise specified in the record layout, date fields not specifically reported must be filled with zeros.</p> </li> <li>- <i>Date/Timestamp</i> fields add a timestamp immediately after the date and appear in the format HHMMSSNNNNNN, where: <ul style="list-style-type: none"> <li>⇒ HH = two-digit hour designation</li> <li>⇒ MM = two-digit minute designation</li> <li>⇒ SS = two-digit second designation</li> <li>⇒ NNNNNN = six-digit nanosecond designation</li> </ul> <p>* The field’s full format is CCYYMMDDHHMMSSNNNNNN.</p> </li> </ul>
6	<p>The Acknowledgement/Error file sent back by NLSDS II will use the message class SSEXOP.</p>

#### 1.4.5 Destination System Functional Specifications

#	Responsibility
1	The EAI BUS will deliver the Acknowledgement/ Error Notification file to the SAIG server.
2	The EAI Adaptor takes the following information as input: Queue manager name - TBD Queue name - TBD Sync point counter - TBD Output file name - TBD
3	The MQ Series Trigger Monitor will trigger SAIG Put adaptor to place Acknowledgement/Error file into the school or servicer's B-Trade mailbox
4	Schools/Servicers are expected to review the Acknowledgement/Error file, fix all errors, and return the file to NSLDS II within ten days. (Note: Schools/Servicers can also correct errors online through the FAP website)

#### 1.4.6 Interface Assumptions

#	Assumption
1	MQSeries Queue Manager is installed / configured for the NSLDS II / SAIG environment.
2	The EAI architecture will be configured to support the transfer of data from NSLDS II to SAIG
3	An initiative in legacy NSLDS is underway to promote the use of the FAP website in the Enrollment Reporting Process. Participants using the web are able to view their Roster online, change data and certify the Roster. If a School/Servicer uses the web to perform its Enrolment Reporting responsibilities with NSLDS II, the current batch process for that school will not be necessary. NSLDS II will support the Enrollment Reporting batch process, while promoting the use of the web in this process.
4	This interface is designed based on the current specifications in legacy NSLDS. Any subsequent changes or modifications to the interface must be incorporated into the design at a later date.

#### 1.4.7 Error Messages

See Appendix A for Error Messages and Codes

## 1.4.8 File Layout

### Header Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
SSCR Sequence Number	1 - 7	7	Num	A 7-digit number used to verify the proper location of the Header Record in the SSCR Roster or Submittal File	Must equal "000000".	SSCR_Transmittal_Detail/D_SSCR_Sequence_Number
SSCR Header Title	8 - 25	18	Char	Contains "SSCR ROSTER HEADER".	NA	NA
Filler	26 - 28	3	Char	Blank field to complete full record length.	NA	NA
Code for School	29 - 36	8	Num	An eight-digit ED Office of Postsecondary Education (OPE) code used to identify the school.	Must be all numbers. Must be valid OPE ID.	School/Code
SSCR Create Date/Time stamp	37 - 56	20	Char	Date and time that SSCR Roster File was produced by NSLDS II.	Must be a valid date. For submissions, Data must match the date in the original Roster file sent to the school.	SSCR_Rtn_His/SSCR_Trsmtl_timestamp
Certification Date	57 - 64	8	Char	Date the school processes the SSCR Roster File. At this time it becomes the SSCR roster file.	Filled in by School/Service Certification date must be less than current date. Certification date must be greater than the CCYYMMDD portion of the Create Date/Timestamp.	Stu_Stat/Cert_DT

Data Element	Field Position	Length	Type	Description	Edits	Mapping
SSCR File Type	65 – 65	1	Char	Indicates that this is the SSCR Roster File or Submittal File. Will be E for Acknowledgement/Error File, R for Roster/Submittal File, or A for ad hoc reporting	Must be R, A, or E	NA
Filler	66- 330	265	Char	Blank field to complete full record length.	NA	NA

**Detail Record Layout**

Data Element	Field Position	Length	Type	Description	Edits	Mapping
SSCR Sequence Number	1 – 7	7	Num	First Detail record = “0000001” Succeeding records are incremented by 1.	In the Submittal file, all records added by the school will use 9999998.	SSCR_Transmittal_Detail/D_SSCR_Sequence_Number
Student’s Social Security Number	8 – 16	9	Char	Social Security Number of a Title IV recipient.	For NSLDS-provided records, the value must match SSN in Roster File. For school-initiated records in the Submittal File, the value must match an SSN in the NSLDS database.	Stu/Curr_SSN
Student’s Social Security Number Indicator	17 – 17	1	Char	A single-character indicator showing whether the Student’s Social Security Number is real or pseudo.	Must be R (for “real”) or P (for “pseudo”). For Submittal File	STU/Curr_Pseudo_Ind

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Student's Last Name	18 – 52	35	Char	Current last name of the Title IV aid recipient.  If the student has no last name, this field contains NLN.	Must match value in NSLDS database for Submittal File	Stu/Curr_Lst
Student's First Name	53 – 64	12	Char	First name of the Title IV aid recipient.  If the student has no first name, this field contains NFN (no first name).	Must match value in NSLDS database for Submittal File	Stu/Curr_Fst
Student's Middle Initial	65 – 65	1	Char	Middle Initial of Title IV aid recipient.	NA	Stu/Mid_Init
Student's Date of Birth	66 – 73	8	Date	Date on which the Title IV aid recipient was born.	Must contain all numbers. MM must be a value from 01-12; DD must be a value from 01-31, depending on the month and year	Stu/DOB
Filler	74 – 138	64	Char	Filler	NA	NA

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Anticipated Completion Date	139 – 146	8	Date	Date when a student is scheduled to complete course requirements.	For Submittal File: Must be all numeric.  MM must be a value from 01-12; DD must be a value from 01-31, depending on the month and year; CC must be 19 or 20.  If the Enrollment Status Code equals A, F, or H, this date must be greater than the Certification Date and the Enrollment Status Effective Date.  If the Enrollment Status Code equals G, this field must equal the Enrollment Status Effective Date.	Stu_Br/Antic_Co mpl_Dt
Filler	147 – 289	143	Char	Filler	NA	NA
Code for Enrollment Status	290 – 290	1	Char	Code reflecting student's current enrollment status.	Must be a valid Enrollment Status Codes, and must have a corresponding value in the Date Enrollment Status Effective field.  Must not be blank.	Stu_Stat/Enrl_Co de

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Enrollment Status Effective Date	291 – 298	8	Char	Effective date a borrower entered current enrollment status.	For Submittal File: Must be all numeric. MM must be a value from 01–12 and DD must be a value from 01–31, depending on the month and year. There must be a corresponding value in the Code for Enrollment Status field. Must be no more than 30 years in the past, based on the roster generation date. Cannot be before the student’s Date of Birth plus 12 years.	Stu_Stat/Eff_Dt
School Identification Designator (ID)	299 – 318	20	Char	School-assigned designation used instead of the SSN to identify the Title IV aid recipient.	Optional Filed No Edits performed	Stu_Br_ID/Code
Filler	319 – 330	12	Char	Filler	NA	NA
Error Code 1	331-332	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code
Error Code 2	333-334	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code
Error Code 3	335-336	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Error Code 4	337-338	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code
Error Code 5	339-340	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code
Error Code 6	341-342	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code
Error Code 7	343-344	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code
Error Code 8	345-346	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code
Error Code 9	347-348	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code
Error Code 10	349-350	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code
Error Code 11	351-352	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Error Code 12	353-354	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code
Error Code 13	355-356	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code
Error Code 14	357-358	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code
Error Code 15	359-360	2	Char	Error Code indicating the reason the record was not able to update data on NSLDS. Can be blank	NA	SCCR_Err_Det/Code

**Trailer Record Layout**

<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
SSCR Sequence Number	1 – 7	7	Num	7 digit number used to verify the proper location of the Trailer Record in the Roster File.	Must equal “9999999”	SSCR_Transmittal_Detail/D_SSCR_Sequence_Number
SSCR Trailer Title	8 –26	19	Char	Contains “SSCR ROSTER TRAILER”.	NA	NA
Number of Detail Records	27 – 34	8	Num	Number of Detail records in the file.	Must equal total number of Detail Records in the Submittal File.	SSCR_Transmittal_Detail/D_SSCR_Sequence_Number

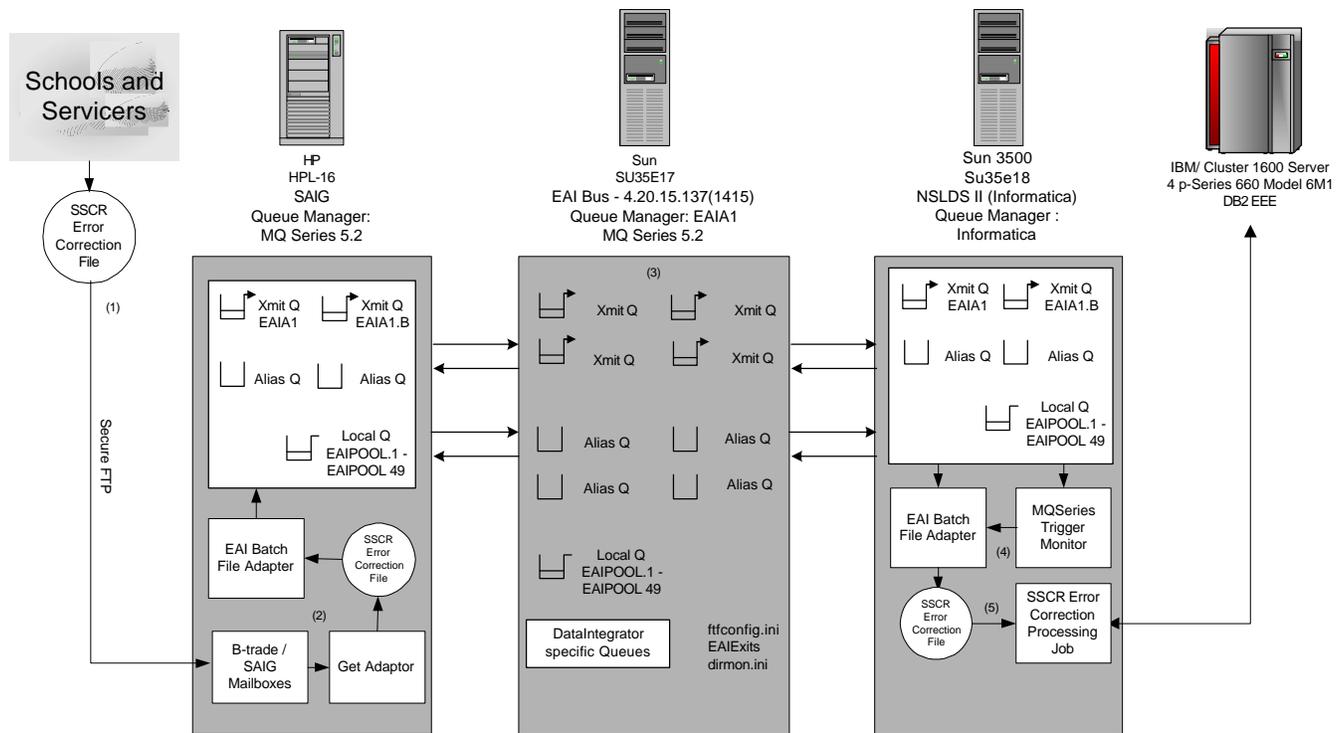
<b>Data Element</b>	<b>Field Position</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Edits</b>	<b>Mapping</b>
Filler	35 - 330	296	Char	Blank field to complete full record length.	NA	NA

## 1.5 Error Correction File Interface

### 1.5.1 Interface Control Specifications

<b>Interface Name:</b>	Error Correction File Interface
<b>Interface Type/Direction:</b>	Unidirectional, Batch Type
<b>Interface Short Description:</b>	<p>This section defines the processes utilized by Schools/Serviceers to send Error Correction files to NSLDS II via SAIG and the EAI BUS</p> <p>The Roster process is initiated anywhere from 2 – 52 times per year. The School/Serviceer determines the frequency and the schedule for the enrollment process at the beginning of each year. Schools/Serviceers are also able to update their rosters online using the NSLDS II Financial Aid Professionals (FAP) site. If a school does not choose a certain frequency, the default frequency will be set for every other month (Schools are encouraged to set the frequency to at least bi-monthly). When a student’s enrollment changes affect their eligibility, a School must notify the lender within 30 days unless a Roster submission is scheduled within the next 60 days.</p> <p>The first step in the Enrollment Reporting process is for NSLDS II to generate and send a Roster file to each School/Serviceer. Once the School receives the Roster, they have 30 days to update the roster with any student status changes. After the roster has been updated, the school will transmit the updated Submittal file to NSLDS II through SAIG. NSLDS II (Informatica) will receive the Submittal file and perform the necessary edits and validations. NSLDS II will generate an Acknowledgment/Error File that is sent to the School (the file is sent regardless of whether an error is present). If errors are included in the Acknowledgement/Error File, the School is responsible for fixing errors and resubmitting the Error Correction File. Schools are required to fix errors and submit an Error Correction file to NSLDS II within ten days. Schools can also correct errors through the FAP website.</p>
<b>Requesting Application: or Source Application:</b>	Schools/Serviceers are the source of the Error Correction file
<b>Responding Application: or Destination Application:</b>	NSLDS receives the Error Correction File via SAIG
<b>Detailed Technical Requirement References:</b>	5.046
<b>Interface Usage Frequency:</b>	2 to 52 times per year per school (varies by school)
<b>Interface Usage Volume:</b>	98 Average Records (per file), 98KB Average File Size
<b>Output Media:</b>	Flat File in EBCDIC Format
<b>Transmission Mechanism:</b>	SAIG over the EAI Bus

### 1.5.2 Interface Flow



### 1.5.3 Interface Flow Description

1. The School/Servicer will create the Error Correction file and send it via secure FTP to the appropriate B-Trade mailbox
2. The SAIG Get adaptor will retrieve the file from the mailbox and the Batch File Adapter will move the file to the EAI BUS.
3. The EAI BUS will route the file to the NSLDS II (Informatica) server
4. The EAI Batch File Adapter will move the file to the NSLDS II (Informatica) server
5. NSLDS II (Informatica) will process the Error Correction file

Invocation of EAI Batch File (receive) adapter may invoke the NSLDS II (Informatica) Error Correction file processing job.

### 1.5.4 Source System Functional Specifications

#	Responsibility
1	Schools/Servicers will review the Acknowledgement/Error file sent from NSLDS II. Any errors present in the file should be corrected and sent to NSLDS II as an Error Correction file within ten days.
2	The data extracted will be laid out as in section 1.5.8

	Each record will consist of: One Header Record One or more Detail Records One Trailer Record Layout
3	The Error Correction file will be sent via secure FTP to the appropriate B-Trade mailbox.
4	An EAI batch file adapter will be supplied to retrieve the file from the B-Trade mailbox and initiate the file transfer from SAIG to NSLDS II.
5	NSLDS II will provide the EAI adaptor file transfer utility with the following Input Parameters: Input File Name - TBD
6	<p>Field formats in Error Correction file are:</p> <ul style="list-style-type: none"> <li>- <i>Character</i> denotes a field that may contain spaces, letters, or numbers in any combination—for example, 17 Magnolia Street. Character fields not specifically reported must be filled with spaces. If a field is said to require a value “greater than spaces,” the field must contain at least one letter or number.</li> <li>- <i>Numeric</i> denotes a field that must contain only numbers—for example, 1234567 as a Loan Sequence Number. Letters, special characters, or spaces in a numeric field are invalid. An entry of T491_24, for example, would not be accepted. Unless otherwise specified in the record layout, numeric fields not specifically reported must be filled with zeros.</li> <li>- <i>Date</i> fields must contain only numeric data, eight digits, and appear in the format CCYYMMDD, where: <ul style="list-style-type: none"> <li>⇒ CC = two-digit century</li> <li>⇒ YY = two-digit year</li> <li>⇒ MM = two-digit month designation (01-12)</li> <li>⇒ DD = two-digit day designation (01-31, depending on the month and year)</li> </ul> <p>Under this convention, an entry of <b>19950430</b> would be accepted, but <b>043095</b> would not. Unless otherwise specified in the record layout, date fields not specifically reported must be filled with zeros.</p> </li> <li>- <i>Date/Timestamp</i> fields add a timestamp immediately after the date and appear in the format HHMMSSNNNNNN, where: <ul style="list-style-type: none"> <li>⇒ HH = two-digit hour designation</li> <li>⇒ MM = two-digit minute designation</li> <li>⇒ SS = two-digit second designation</li> <li>⇒ NNNNNN = six-digit nanosecond designation</li> </ul> <p>* The field’s full format is CCYYMMDDHHMMSSNNNNNN.</p> </li> </ul>
7	The message class to be sued for Error Correction files being sent to NSLDS II is SSCEXXOP.

### 1.5.5 Destination System Functional Specifications

#	Responsibility
1	The EAI BUS will deliver the Error Correction file to the NSLDS II (Informatica) server.
2	The EAI Adaptor takes the following information as input:: Queue manager name - TBD Queue name - TBD Sync point counter - TBD Output file name - TBD
3	The MQ Series Trigger Monitor may trigger an NSLDS II (Informatica) Error Correction file processing job.

### 1.5.6 Interface Assumptions

#	Assumption
1	MQ Series Queue Manager is installed / configured for the NSLDS II / SAIG environment.
2	The EAI architecture will be configured to support the transfer of data from SAIG to NSLDS II.
3	An initiative in legacy NSLDS is underway to promote the use of the FAP website in the Enrollment Reporting Process. Participants using the web are able to view their Roster online, change data and certify the Roster. If a School/Service uses the web to perform its Enrollment Reporting responsibilities with NSLDS II, the current batch process for that school will not be necessary. NSLDS II will support the Enrollment Reporting batch process, while promoting the use of the web in this process.
4	This interface is designed based on the current specifications in legacy NSLDS. Any subsequent changes or modifications to the interface must be incorporated into the design at a later date.

### 1.5.7 Error Messages

See Appendix A for Error Codes and Messages

### 1.5.8 File Layout

The Error Correction File is identical to the Submittal File (1.3.8)

## 1.6 Appendix A

### Error Codes and Messages

Error Code	Field Name	Position	Error Message
11	Student's Social Security Number	8-16	The student identifiers (Student's Social Security Number, First Name, and Date of Birth) submitted by a school do not match those for any student in the database, and the record is not Ad Hoc.
	Student's First Name	53-64	
	Date of Student's Birth	6-73	
13	Date of Student's Birth	66-73	Invalid Date of Student's Birth. Must be a valid date in ccyyymmdd format.
15	Anticipated Completion Date	139-146	Invalid Date of Anticipated Completion. Must be a valid date in ccyyymmdd format when Enrollment Status Code of 'A', 'F', or 'H'. (See Notes 1-3 below.)
16	Anticipated Completion Date	139-146	Anticipated Completion Date cannot be greater than ten years after the Certification Date. (See Notes 1-3 below.)
19	Enrollment Status Code	290-290	Missing Enrollment Status.
20	Enrollment Status Code	290-290	Invalid Enrollment Status Code. Valid codes are 'F', 'H', 'L', 'A', 'W', 'G', 'D', 'X', and 'Z'.
21	Enrollment Status Effective Date	291-298	Invalid Enrollment Status Effective Date. Must be a valid date in ccyyymmdd format. It must be less than 15 years in the past, based on Certification Date (formerly based on Roster Generation), and greater than the Date of Student's Birth plus 12 years. This edit is not applied to Enrollment Status 'D' with default, 'X' or 'Z'. (See Note 4 below.)
22	Enrollment Status Code	290-290	A school cannot report and Enrollment Status of "X" or "Z" if an enrollment history (Enrollment Status Code of 'F', 'H', 'A', or 'L') already exists for student at that school.
23	Enrollment Status Effective Date	291-298	Missing Enrollment Status Effective Date. Must be a valid date in ccyyymmdd format. This edit is not applied to Enrollment Status 'D', 'X' or 'Z'. (See notes 4-5 below.)

<b>Error Code</b>	<b>Field Name</b>	<b>Position</b>	<b>Error Message</b>
26	Anticipated Completion Date	139-146	Anticipated Completion Date must be greater than Certification Date when school reports Enrollment Status Code of 'A', 'F', or 'H'. NSLDS will substitute the ACD on its database when no ACD is returned on the Submittal file, but that ACD will still be subject to this edit. <i>(See Notes 1-3 below.)</i>
30	Enrollment Status Effective Date	291-298	Certification Date must be greater than or equal to Enrollment Status Effective Date.
32	Enrollment Status Effective Date	291-298	Student status could not be applied as current.  Formerly, this was due to a school reporting an Enrollment Status Effective Date prior or equal to two or more previous Dates Enrollment Status Effective.  Beginning January 2, 2002, this is due to a school reporting an Enrollment Status Code, Enrollment Status Effective Date, or Anticipated Completion Date that does not match the current value stored in the database with a new Certification Date prior to the current Certification Date.
33	Anticipated Completion Date	139-146	Anticipated Completion Date must be greater than or equal to Enrollment Status Effective Date for Enrollment Status of 'F'; 'H' and 'A'. <i>(See Notes 1-3 below.)</i>
	Enrollment Status Effective Date	291-298	
34	Certification Date	From Header 57-64	If the Enrollment Status Code is 'F', 'H', or 'A' and has not changed since the last submission, Enrollment Status Effective Date cannot equal Certification Date.
	Enrollment Status Effective Date	291-298	
35	Enrollment Status Code	290-290	Certification Date cannot be more than 180 days after Enrollment Status Effective Date for Enrollment Status of "A"
36	Enrollment Status Effective Date	291-298	If a school has ten or more students on its previous Roster File and more than ten percent of the records on a Submittal file have an Enrollment Status Code of 'D', Roster Receipt will reject all the detail records that contain that status.

<b>Error Code</b>	<b>Field Name</b>	<b>Position</b>	<b>Error Message</b>
37/11 Web/ header	Certification Date is Invalid	From Header 57-64	Invalid Date of Certification. Must be a valid date in ccyyymmdd format.
38/13 Web/ header	Certification Date is too Old.	From Header 57-64	The certification date has preceded the earliest allowable date for certification of data. This date is controlled by a validation parameter and is calculated by subtracting the number of parameter days from the current date.
39/21 Web/ header	Certification Date is in the future.	From Header 57-64	The certification date is in the future. Future certification of data is not allowed.
<p>Notes:</p> <ol style="list-style-type: none"> <li>1. Anticipated Completion Date is adjusted by NSLDS to 0001-01-01 for Enrollment status 'X', 'Z', 'W', and 'L'.</li> <li>2. Anticipated Completion Date is adjusted by NSLDS to 9999-12-31 for Enrollment Status of 'D'.</li> <li>3. Anticipated Completion Date is adjusted by NSLDS to Enrollment Status Effective Date for Enrollment Status 'G'.</li> <li>4. Enrollment Status Effective Date is adjusted by NSLDS to Certification Date for Enrollment Status 'X' and 'Z'.</li> <li>5. Enrollment Status Effective Date is adjusted by NSLDS to 9999-12-31 when not supplied by the school and Enrollment Status is 'D'.</li> </ol>			

## 1.7 Appendix B

### Enrollment Status Codes

Code	Status	Definition	Date Used as Effective Date
A	Approved leave of absence	Student is currently enrolled at this institution, but has a leave of absence approved in accordance with [34 CFR 668.22(d)(2)].	Date the student began an approved leave of absence.
D	Deceased	Student is deceased.	Date of death, if known; otherwise, the date the institution was notified of the death by a reliable source.
F	Full-time	Student is enrolled full-time, according to the institution's definition, in accordance with [34 CFR 668.2] or [34 CFR 682.200].	Date on which the student most recently began uninterrupted <sup>1</sup> enrollment on a full-time basis.
G	Graduated	Student has completed the course of study and is not currently admitted to, nor enrolled in, a different course of study at this institution.	Date the student completed the course requirements (not presentation date of the diploma or certificate).
H	Half-time or more, but less than full-time	Student is enrolled at least half-time, but less than full-time, according to this institution's definition, in accordance with [34 CFR 682.200].	Date student dropped below full-time, or if half time is the original status, the date on which the student most recently began uninterrupted <sup>1</sup> enrollment on a half time or more, but less than full-time, basis.
L	Less than half-time	Student is enrolled less than half-time, according to this institution's definition, in accordance with [34 CFR 682.200].	Date student dropped below half time, or if less than half time is the original status, the date on which the student most recently began uninterrupted <sup>1</sup> enrollment on a less than half-time basis.
W	Withdrawn (voluntary or involuntary)	Student has officially withdrawn from all courses at this institution, stopped attending all classes at this institution but did not officially withdraw, or for any reason did not re-enroll at this institution for the next regular (non-summer) term without completing the course of study.	Date student officially withdraws or, in the absence of a formal withdrawal, the last recorded date of attendance. In the case of the student who completes a term and does not return for the next, leaving the course of study uncompleted, the final day of the term in which the student was last enrolled.
X	Never attended	Individual on whose behalf a loan was certified or awarded, who was admitted, may have enrolled (registered), but never attended classes at this institution. (Institution <i>does</i> have a record of the individual.)	Report certification date, as recorded in the Submittal File Header Record.

<b>Code</b>	<b>Status</b>	<b>Definition</b>	<b>Date Used as Effective Date</b>
Z	No record found	Individual for whom a thorough search of the institution's records reveals no information. (Institution <i>does not</i> have a record of the individual.)	Report certification date, as recorded in the Submittal File Header Record.
<p><sup>1</sup> Students are considered to be in school and continuously enrolled during academic year holiday and vacation periods, as well as during the summer between academic years (even if not enrolled in a summer session), as long as there is reason to believe that they intend to enroll for the next regularly scheduled term. For example, students should not be reported as "Withdrawn" at the end of the spring term if they are expected to re-enroll for the fall term. If they do not return as expected, status must be changed to "Withdrawn" within 60 days of that determination, or within 60 days of the start of the new term, whichever occurs first, with an effective date of the last date of attendance.</p>			