



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:
Guaranty Agencies
Enrollment Data
I-GA-1

Version 1.0

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Document Control

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1 Guaranty Agencies (GAs)

GAs will interface with NSLDS II for two different types of data. NSLDS II will send enrollment data (student status changes) to each GA for students within their portfolio. This enrollment data is updated within NSLDS II from Schools/Servicers as part of the Enrollment Reporting process. The second interface is the submission of FFEL loan data from GAs to NSLDS II. Most transmission of data between the GAs and NSLDS II will be via the Student Aid Internet Gateway (SAIG) mailbox system connected to the EAI BUS.

The GA interfaces include:

- Enrollment Data (**Section 1.2**)
- FFEL Submittal File (**See Document I-GA-2**)
- FFEL Load Process Error File (**See Document I-GA-2**)

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 Disk Arrays
Operating System (Vendor/Product Name/Version)	Unix / AIX / V5.1 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 (Files are sent through SAIG)

Item	Description
Production Platform (Vendor/Product Name/Version)	HP / L3000
Operating System (Vendor/Product Name/Version)	HP Unix v11.0

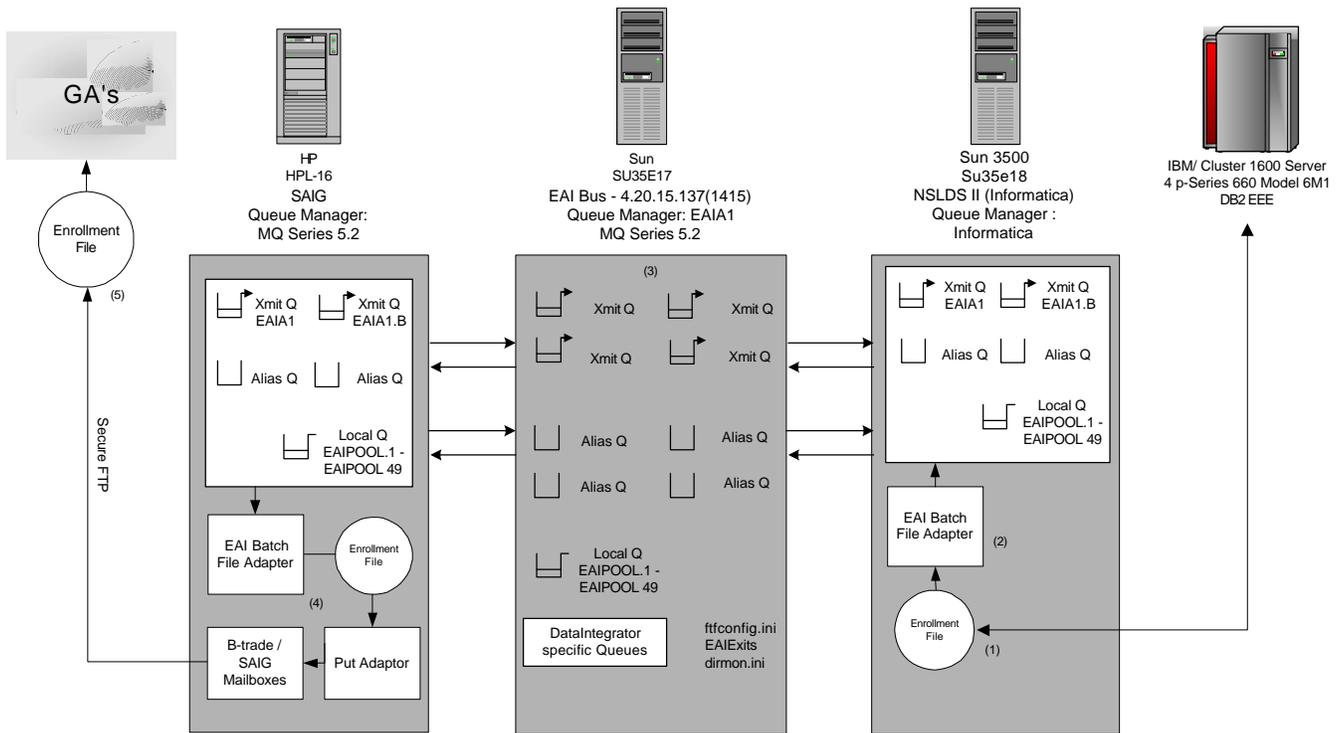
DBMS <i>(Vendor/Product Name/Version)</i>	Oracle v8.17
Transmission Protocol	TCP/IP
Production System IP Address	4.20.17.220
Production System Location	Meriden, CT (VDC)
Contracting Organization	NCS Pearson
Developer Location	Iowa City, Iowa

1.2 Enrollment Data Interface – Student Status Changes

1.2.1 Interface Control Specifications

Interface Name:	Enrollment Data Interface – Student Status Changes
Interface Type/Direction:	Unidirectional, Batch Type
Interface Short Description:	This section defines the processes by NSLDS II to transport Enrollment Data files to the GAs via SAIG and the EAI BUS. NSLDS II sends GAs student status changes on a weekly basis. The data sent to the GA's is the data that NSLDS II receives from Schools/Serviceers in the Enrollment Reporting process.
Requesting Application: or Source Application:	NSLDS II is the source of the Enrollment Data file
Responding Application: or Destination Application:	GAs receive the Enrollment Data file
Detailed Technical Requirement References:	5.049
Interface Usage Frequency:	Weekly
Interface Usage Volume:	76,662 average number of records per file, 26 mb average file size
Output Media:	Flat File in EBCDIC Format (Some GA's might still be submitting through tape – see section 1.2.6 Interface Assumptions)
Transmission Mechanism:	SAIG mailbox system / EAI BUS

1.2.2 Interface Flow



1.2.3 Interface Flow Description

1. NSLDS II will initiate a process to create the Enrollment Data file
2. The EAI Batch File Adapter will move the file to the EAI BUS
3. The EAI BUS will route the file to SAIG
4. The EAI Batch File Adapter will move the file to SAIG where the Put Adaptor will place it into the mailbox system for delivery to the appropriate GA
5. The appropriate GA will retrieve the file from its mailbox via a secure FTP connection

1.2.4 Source System Functional Specifications

#	Responsibility
1	NSLDS II will create the Enrollment Data 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
3	An EAI batch file adapter will be supplied to initiate the file transfer from NSLDS II to SAIG / GAs
4	NSLDS II will provide the EAI adaptor file transfer utility with the following input parameters:

	Input File Name – TBD
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1.2.5 Destination System Functional Specifications

#	Responsibility
1	The EAI BUS will deliver the Enrollment Data 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 Put adaptor will place the received Enrollment Data File and place it into the mailbox system for delivery to the appropriate GA's mailbox.

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/GAs
3	An effort is underway with legacy NSLDS to promote the use of SAIG file transmission instead of tape submissions to and from NSLDS. By the time NSLDS II goes into production, the number of GAs receiving their Enrollment Data file through SAIG could be significantly higher.
4	For those GAs receiving their enrollment file on tape, the file layout and specifics are identical to that of the file transmission over SAIG. Three tape formats are currently being used for this interface: 3420, 3480, and 3490.
5	GAs have the option of receiving a delta file that includes only those student records that have been updated, or a complete student enrollment listing for their GA. Presently most GA's opt for the full portfolio submission.

1.2.7 Error Messages

NA

1.2.8 File Layout

Header Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Sequence Number	1-7	7	Char	0000000	NA	SSCR_Transmittal_Detail/D_SSCR_Sequence_Number
Confirm text	8-25	18	Char	'SSCR ROSTER HEADER'	NA	NA
Provider code	26-35	10	Char	Code for provider receiving file	NA	PORT/Port_Prov_Code
Filler	36-36	1	Num	Filler	NA	NA
Create date	37-56	20	Char	Timestamp when file generated	NA	Created as Part of Interface Program
Filler	57-336	280	Num	Filler	NA	NA

Detail Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Sequence Number	1-7	7	Num.	Record Sequence Number. Header - 0000000 Detail - 0000001,2,3 Trailer - 9999999	NA	SSCR_Transmittal_Detail/D_SSCR_Sequence_Number
Current SSN	8-16	9	Char.	SSN Recorded as Current.	NA	STU/Curr_SSN
Current Pseudo SSN Indicator	17-17	1	Char.	Indicator describing the SSN as an actual SSN or an Identification ID other than SSN.	NA	STU/Curr_Pseudo_Ind
Current Last	18-52	35	Char.	Last Name Reported as Current.	NA	STU / Curr_Lst
Current First	53-64	12	Char.	First Name Recorded as Current.	NA	STU / Curr_Fst
Current Middle Initial	65-65	1	Char.	Middle Initial Recorded as Current.	NA	STU / Mid_Init
Date of Birth	66-73	8	Num.	D.O.B. Recorded as Current.	NA	STU / DOB
Filler	74-138	65	Num.	Filler	NA	NA
Anticipated Completion Date	139-146	8	Num.	Student's anticipated completion that would make the status change.	NA	STU_BR/Antic_Cmpl_Dt
Filler	147-289	143	Num.	Filler	NA	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Current Enrollment Code	290-290	1	Char.	Enrollment Status Code	NA	STU_STAT/ Enrl_Code
Current Effective Date	291-298	8	Num.	Date the Enrollment Code is effective.	NA	STU_STAT/EFF_DT
School Code	299-304	6	Char.	First 6 positions of OPE-ID for the school that reported the enrollment.	NA	SCH/Code
Branch Code	305-306	2	Char.	Last 2 positions of OPE-ID for the school that reported the enrollment.	NA	SCH_BR/Code
Date	307-314	8	Char.	Date as of which a school certified enrollment information for a student.	NA	STU_STAT/Cert_Date
Filler	315-336	22	Num.	Filler	NA	NA

Trailer Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Sequence Number	1-7	7	Char	9999999	NA	SSCR_Transmittal_Detail/D_SSCR_Sequence_Number
Confirm text	8-26	19	Char	'SSCR ROSTER TRAILER'	NA	NA
Total rec sent	27-34	8	Char	Number with leading 0's total detail records in file	NA	NA
Filler	35-336	302	Num	Filler	NA	NA