Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Implied Decimal. COD will populate the last two decimals with '00'. Format: XXX.XXX = XXXX00 Example: 104.411 = 104400					
Sum Actual Non- Cred Teacher Cert Usage Periods	Actual sum of Non-Cred Teacher Cert usage periods for the student, across Award Years and schools. Field will be populated if SULA = 'Y.' Implied Decimal. COD will populate the last two decimals with '00'. Format: XXX.XXX = XXXX00 Example: 104.411 = 104400	Numeric	6	167	172	Optional
Student Phone Number – Home	Home telephone number of student's current address. Format: 000000000000 to 999999999999	Alphanumeric	12	173	184	Optional
Student Phone Number - Cell	Cellphone number of student's current address. Format: 000000000000 to 999999999999	Alphanumeric	12	185	196	Optional
Student Phone Number - Work	Work telephone number of student's current address. Format: 000000000000 to 999999999999	Alphanumeric	12	197	208	Optional
Email #1	The person's primary email address as provided on SL.Gov website.	Alphanumeric	128	209	336	Optional
Email #2	The person's secondary email address as provided on COD - School Batches common records.	Alphanumeric	128	337	464	Optional
Permanent Student Street Address 1	Line 1 of student's permanent address. Blank = Not set.	Alphanumeric	40	465	504	Required
Permanent Student	Line 2 of student's permanent address.	Alphanumeric	40	505	544	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Street Address 2						
Permanent Student City	City of student's permanent address. Blank = Not set.	Alphanumeric	30	545	574	Required
Permanent Student State	Valid State code of student's permanent address. Valid State Code Values in Appendix A. If student is foreign, FC shall be the output. Blank = Not set.	Alphanumeric	2	575	576	Required
Permanent Student ZIP Code	Zip or postal code of student's permanent address. Default to zeroes	Alphanumeric	17	577	593	Required
Permanent Student Country	Valid Country Code of student's permanent address. Valid Country Code Values in Appendix B. Blank = Not set.	Alphanumeric	2	594	595	Required
Temporary Student Street Address 1	Line 1 of student's temporary address.	Alphanumeric	40	596	635	Optional
Temporary Student Street Address 2	Line 2 of student's temporary address.	Alphanumeric	40	636	675	Optional
Temporary Student City	City of student's temporary address.	Alphanumeric	30	676	705	Optional
Temporary Student State	Valid State code of student's temporary address. Valid State Code Values in Appendix A. If student is foreign, FC shall be the output.	Alphanumeric	2	706	707	Optional
Temporary Student ZIP Code	Zip or postal code of student's temporary address.	Alphanumeric	17	708	724	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Temporary Student Country	Valid Country Code of student's temporary address. Valid Country Code Values in Appendix B.	Alphanumeric	2	725	726	Optional
IASG Lifetime Eligibility Used (LEU)	Calculated value by COD for all IASG Recipients. It is the sum of all IASG Eligibility Used percentages for a IASG recipient over the course of their entire lifetime. Implied Decimal: 9999v999 Format: XXXX.XXX = XXXXXXX Example: 0123.454 = 0123454 Default to 0's for negative or not set LEU values	Numeric	7	727	733	Required

2.4. NSLDS Direct Loan Award Detail Record

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	'DLA' - Represents the Direct Loan Award Level Record.	Alphanumeric	3	1	3	Required
Student SSN	This is the Student's SSN that is entered by the user to retrieve student information. Format: 001010001 to 999999998	Numeric	9	4	12	Required
Financial Award ID	The student's unique award identifier. It includes the following elements for Direct Loan program: Student's SSN: 001010001-999999998 Loan Type: S = Subsidized U = Unsubsidized P = PLUS for parent and graduate/professional borrowers Program Year: 23, for 2022-2023 School Code: X00000-X99999 where X = G or E Award Sequence Number: 001-999 Example: '001010001S23G00000001'	Alphanumeric	21	13	33	Required
Award Type	Indicates the student's award type. Valid values: DLS = Direct Loan Subsidized DLU = Direct Loan Unsubsidized DLP = Direct Loan PLUS	Alphanumeric	3	34	36	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
CPS Transaction Number	Transaction number from eligible ISIR used to calculate award. Valid Values: 01-99	Numeric	2	37	38	Required
Academic Year Begin Date	The date the student's academic year starts at the school. Format: CCYYMMDD	Date	8	39	46	Required
Academic Year End Date	The date the student's academic year ends at the school. Format: CCYYMMDD	Date	8	47	54	Required
Financial Award Begin Date	The date when classes begin for the specific period covered by aid. Format: CCYYMMDD	Date	8	55	62	Required
Financial Award End Date	The date when classes end for the specific period covered by aid. Format: CCYYMMDD	Date	8	63	70	Required
Financial Award Number	Award Sequence number. Valid Values: 000-999	Numeric	3	71	73	Required
Financial Award Year	Tag indicating the year corresponding to awards. Format: CCYY	Numeric	4	74	77	Required
Financial Award Amount	The total award amount that the student is eligible to receive as determined by the school. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: 'XXXXXXXXXXXXvXX' Valid Values:	Numeric	16	78	93	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	'-999999999999999' to '0999999999999999'					
Financial Award Amount Requested	The total award amount that the student has requested. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXXX$_v$XX' Valid Values: '-999999999999999' to '0999999999999999'	Numeric	16	94	109	Optional
Earliest Disbursement Date	Indicates the date on which the first Disbursement was made to the student. Format: CCYYMMDD	Date	8	110	117	Required
Origination Fee Percent	Origination fee percent used for the record. Implied Decimal Valid Values: 000.000 to 100.000 Format: XXX.XXX = XXXXXX Example: 001.500 = 001500	Numeric	6	118	123	Required
Interest Rebate Percent	Upfront interest rebate percent for the disbursement. Implied Decimal Valid Values: 000.000 to 100.000 Format: XXX.XXX = XXXXXX Example: 001.500 = 001500	Numeric	6	124	129	Required
Attending School OPE ID	Unique 8 digit school ID for school the student is attending.	Alphanumeric	8	130	137	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Valid Values: 00000000 to 99999999					
Funded School OPE ID	Unique 8 digit school ID for school that was actually funded. It is the funded school associated to the attended school. Valid Values: 00000000 to 99999999	Alphanumeric	8	138	145	Required
Reporting School OPE ID	Unique 8 digit school ID for school reporting the student's information. Valid Values: 00000000 to 99999999	Alphanumeric	8	146	153	Required
Student Level Code	Indicates the student's current academic level as defined by Direct Loan or TEACH programs. Student level can differ by program for the same award year. Valid values: 0 = 1st Year Undergraduate (No previous) 1 = 1st Year Undergraduate (Previous) 2 = 2nd Year Undergraduate 3 = 3rd Year Undergraduate 4 = 4th Year Undergraduate 5 = 5th Year Undergraduate 6 = 1st Year Graduate/Professional 7 = Continuing Graduate/Professional	Alphanumeric	1	154	154	Required
Special Programs	This is the special program type being covered by aid. If the aid is not for a special program, this field will either be blank or display 'Not Applicable'. The valid values are:	Alphanumeric	1	155	155	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	'P' = Preparatory Coursework Graduate Professional Program 'U' = Preparatory Coursework Undergraduate 'T' = Non-Credential Teacher Certification 'A' = Special Admissions Associate Degree 'B' = Bachelor Degree Completion Program 'N' = Not Applicable Blank' Optional for AY 2016-2017 and prior. Will be blank for AY 2017-2018 and beyond					
Program Credential Level	This is the credential level of the program that is being covered by aid. The valid values for Program Credential Level are: 01 = Undergraduate certificate or diploma program 02 = Associate's degree 03 = Bachelor's degree 04 = Post Baccalaureate certificate 05 = Master's degree 06 = Doctoral degree 07 = First Professional degree 08 = Graduate/Professional certificate 99 = Non-credential programs (preparatory coursework/teacher certification)	Alphanumeric	2	156	157	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Optional for AY 2016-2017 and prior. Will be blank for AY 2017-2018 and beyond					
Dependency Status Code	Describes the dependency status of the student. Where: Dependent student must report the student's and the parents' information. Independent student must report own information only. Valid Values: D = Dependent Student I = Independent Student Blank	Alphanumeric	1	158	158	Optional
HPPA Indicator	Indicates if the student is eligible for a Health Profession Programs additional unsubsidized loan amount. Valid Values: Y = Yes, student is eligible. N = No, student is not eligible. Blank	Alphanumeric	1	159	159	Optional
Additional Unsubsidized Eligibility Indicator	Indicates whether a student is receiving an additional unsubsidized loan. Valid Values: Y = Yes, student is eligible. N = No, student is not eligible. Blank	Alphanumeric	1	160	160	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Pre-professional Coursework Indicator	Indicates whether student has enrolled in coursework that serves as a directional path of study and experience to prepare the student for a specific industry or career. Valid Values: Y = Yes, student has enrolled. N = No, student has not enrolled. Blank	Alphanumeric	1	161	161	Optional
Published Program Length Years	The length in years of a school's published program that is submitted by a school. COD will process this value as submitted on the Common Record. Implied Decimal Format: XXX.XXX = XXXXXX Optional for AY 2016-2017 and prior. Will be 0's for AY 2017-2018 and beyond	Numeric	6	162	167	Optional
Published Program Length Months	The length in months of a school's published program that is submitted by a school. COD will process this value as submitted on the Common Record. Only for Direct Loan Subsidized awards. Implied Decimal Format: XXX.XXX = XXXXXX Optional for AY 2016-2017 and prior.	Numeric	6	168	173	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Will be 0's for AY 2017-2018 and beyond					
Published Program Length Weeks	The length in weeks of a school's published program that is submitted by the school and COD will process from the Common Record. Only for Direct Loan Subsidized awards.

Implied Decimal

Format: XXX.XXX = XXXXXX

Optional for AY 2016-2017 and prior.

Will be 0's for AY 2017-2018 and beyond | Numeric | 6 | 174 | 179 | Optional |
| Weeks Program Academic Year | This is the total number of weeks of instruction in the program's academic year.

This field must be greater than or equal to 26. This field is required if Published Program Length is submitted in weeks or months, or if Special Programs is submitted as 'P' – Preparatory Coursework Graduate Professional Program.

Only for Direct Loan Subsidized awards.

Implied Decimal

Format: XXX.XXX = XXXXXX

Will be required if Published Programs Weeks and Months is populated.

Optional for AY 2016-2017 and prior. | Numeric | 6 | 180 | 185 | Optional |

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Will be 0's for AY 2017-2018 and beyond					
EMPN Indicator	Indicates whether there is an electronic or paper MPN. Valid Values: Y = Yes, Electronic MPN (EMPN) Submitted N = No, Electronic MPN (EMPN) Not Submitted Blank = Not Set.	Alphanumeric	1	186	186	Optional
MPN ID	The MPN identifier printed on the MPN. Format: Student's SSN: 001010001-999999998 MPN Type: M = Subsidized and Unsubsidized N = PLUS for parent and graduate/professional student borrowers Program Year: 23, for 2021-2023 School Code: X00000-X99999 where X = G or E MPN Sequence Number: 999 – 001 (decrementing format; for EMPN only) Example: '001010001M23G99999001' Blank	Alphanumeric	21	187	207	Optional
MPN Status Code	Status of the MPN on file at COD. Valid Values: A = Accepted R = Valid MPN not on file at COD P = Pending	Alphanumeric	1	208	208	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	C = Closed I = Inactive E = Inactive due to the linking of a PLUS loan with an endorser Blank = Not Set					
MPN Expiration Date	Indicates the date when an MPN will expire. Format: CCYYMMDD or 0's	Date	8	209	216	Optional
Booked Amount	Total net amount of disbursements accepted and booked. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999' Default set to 0's	Numeric	16	217	232	Optional
Booked Date	The date the loan booked on COD. Format: CCYYMMDD or 0's	Date	8	233	240	Optional
Discharge Type	Indicates the type of discharge accepted for the student. It includes: B= Borrower Defense R = Disaster Relief C = Closed School F = False Certification Ability to benefit M = False Certification - Disqualifying Status U = Unpaid Refund	Alphanumeric	1	241	241	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	G = Unauthorized Signature/Unauthorized Payment X = Bankruptcy D = Death H = Disability V = Veteran's Disability T = Teacher Forgiveness S = Satisfied I = Identity Theft Blank					
Discharge Date	The date on which the discharge was accepted for the student. Format: CCYYMMDD or 0's	Date	8	242	249	Optional
Discharge Amount	The discharge amount applied to the student. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: 'XXXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999' Default set to 0's	Numeric	16	250	265	Optional
Deferment Option	Repayment deferment option based upon enrollment status of the student. Valid Values: Y = Yes, student has selected deferment option. N = No, student has not selected deferment option.	Alphanumeric	1	266	266	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Blank = Not set					
Six Month Deferment Option	Indicates whether student has opted in for the six month deferment option. Valid Values: Y = Yes, student has selected six month deferment option. N = No, student has not selected six month deferment option. Blank = Not set	Alphanumeric	1	267	267	Optional
Borrower SSN	This is the borrower's SSN that is entered by the user to retrieve borrower information. Format: 001010001 to 999999998 Default set to 0's	Numeric	9	268	276	Optional
Alien Registration Number	The borrower's Alien Registration Number. Valid Format: 0000000000 to 9999999999 Blank	Alphanumeric	10	277	286	Optional
Borrower Date of Birth	The borrower's current date of birth. Format: CCYYMMDD or 0's	Date	8	287	294	Optional
Borrower First Name	The borrower's first name given to a person at birth or through legal change. If award type is DLP and no first name found on COD then populate 'NFN'. If award type is DLS or DLU and borrower information is not expected, then this field may be blank.	Alphanumeric	30	295	324	Optional
Borrower Middle Initial	The borrower's middle name at one character.	Alphanumeric	1	325	325	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Default to blank					
Borrower Last Name	The borrower's last name or surname by which a person is legally known. If award type is DLP and no last name found on COD then populate 'NLN'. If award type is DLS or DLU and borrower information is not expected, then this field may be blank.	Alphanumeric	35	326	360	Optional
Permanent Borrower Street Address 1	Line 1 of borrower's permanent address.	Alphanumeric	40	361	400	Optional
Permanent Borrower Street Address 2	Line 2 of borrower's permanent address.	Alphanumeric	40	401	440	Optional
Permanent Borrower City	City of borrower's permanent address.	Alphanumeric	30	441	470	Optional
Permanent Borrower State	Valid State code of borrower's permanent address. Valid State Code Values in Appendix A. If borrower is foreign, populate 'FC'.	Alphanumeric	2	471	472	Optional
Permanent Borrower ZIP Code	Zip or postal code of borrower's permanent address. Default to zeros	Alphanumeric	17	473	489	Optional
Permanent Borrower Country	Valid Country Code of borrower's permanent address. Valid Country Code Values in Appendix B.	Alphanumeric	2	490	491	Optional
Temporary Borrower	Line 1 of borrower's temporary address.	Alphanumeric	40	492	531	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Street Address 1						
Temporary Borrower Street Address 2	Line 2 of borrower's temporary address.	Alphanumeric	40	532	571	Optional
Temporary Borrower City	City of s borrower's temporary address.	Alphanumeric	30	572	601	Optional
Temporary Borrower State	Valid State code of borrower's temporary address. Valid State Code Values in Appendix A. If borrower is foreign, populate 'FC'.	Alphanumeric	2	602	603	Optional
Temporary Borrower ZIP Code	Zip or postal code of borrower's temporary address.	Alphanumeric	17	604	620	Optional
Temporary Borrower Country	Valid Country Code of borrower's temporary address. Valid Country Code Values in Appendix B.	Alphanumeric	2	621	622	Optional
Borrower Phone Number - Home	Home telephone number of the borrower. Format: 000000000000 to 999999999999	Alphanumeric	12	623	634	Optional
Borrower Phone Number - Cell	Cellphone number of the borrower. Format: 000000000000 to 999999999999	Alphanumeric	12	635	646	Optional
Borrower Phone Number - Work	Work telephone number of the borrower. Format: 000000000000 to 999999999999	Alphanumeric	12	647	658	Optional
Email #1	The borrower's primary email address as provided on SL.Gov website.	Alphanumeric	128	659	786	Optional
Email #2	The borrower's secondary email address as provided	Alphanumeric	128	787	914	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	on COD - School Batches common records.					
Loan Servicer	The TIVAS servicer assigned to the student. Examples: 578 = Dept. of Ed. Sallie Mae 579 = Dept. of Ed. PHEEA 580 = Dept. of Ed. Nelnet 581 = Dept. of Ed. Great Lakes Can be 0's	Numeric	3	915	917	Optional
Calculated Published Program Length Years	This is the calculated published program length in years. The published program length may be submitted as weeks or months, which COD will subsequently convert into years. This field holds the converted published program length value in years. Only for DLS. Implied Decimal Format: XXX.XXX = XXXvXXX Example: 001.500 = 001500	Numeric	6	918	923	Optional
Academic Year Length	This is the length of the student's Academic Year at the school measured in days. Value is calculated using the Academic Year Begin and End dates. Format: 0000-9999 Default set to 0's	Numeric	4	924	927	Optional
Loan Period Length	This is the length of the period of time covered by aid, calculated using the	Numeric	7	928	934	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Financial Award Begin and End dates. Implied Decimal Format: XXXX.XXX = XXXX$_V$XXX Example: 0100.123 = 0100123					
COD Maximum Subsidized Eligibility Period	This is the maximum period of subsidized aid that a student is eligible to receive for the academic program. It is equal to 150% of the calculated published program length in years. Field will be populated if SULA = 'Y' Only for Direct Loan Subsidized awards. Implied Decimal COD will populate the last two decimals with 00 Format: XXX.XXX = XXX$_V$XXX Example: 005.500 = 005500	Numeric	6	935	940	Optional
Actual Subsidized Usage Period	The period of subsidized aid covered by this award if it has at least one actual disbursement. Field will be populated if SULA = 'Y' Only for Direct Loan Subsidized awards. Implied Decimal COD will populate the last two decimals with 00 Format: XXX.XXX = XXX$_V$XXX Example: 005.500 = 005500	Numeric	6	941	946	Optional
Anticipated Subsidized Usage Period	The period of subsidized aid covered by this award if it does not have any actual	Numeric	6	947	952	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	disbursements. Field will be populated if SULA = 'Y' Only for Direct Loan Subsidized awards. Implied Decimal COD will populate the last two decimals with 00 Format: XXX.XXX = XXX$_V$XXX Example: 005.500 = 005500					
COD Remaining Actual Subsidized Eligibility Period	This is the remaining period of subsidized aid that a student is eligible to receive for the academic program. It is equal to the Maximum Subsidized Eligibility Period minus the Sum Actual Subsidized Usage Period. Field will be populated if SULA = 'Y' Only for Direct Loan Subsidized awards. Implied Decimal COD will populate the last two decimals with 00 First space either has negative sign for negative values or 0 for positive values. Format: If positive = '0XXXXXX' If negative = '-XXXXXX' Example: 005.500 = 005500	Numeric	7	953	959	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
COD Remaining Anticipated Subsidized Eligibility Period	This is the anticipated remaining period of subsidized aid that a student is eligible to receive for the academic program, and is therefore only calculated if the award does not have any actual disbursements. It is equal to the Maximum Subsidized Eligibility Period minus the Sum Anticipated Subsidized Usage Period. Field will be populated if SULA = 'Y' Only for Direct Loan Subsidized awards. Implied Decimal COD will populate the last two decimals with 00 First space either has negative sign for negative values or 0 for positive values. Format: If positive = '0XXXXXX' If negative = '-XXXXXX' Example: 005.500 = 005500	Numeric	7	960	966	Optional
Sum Anticipated Subsidized Usage Periods	The sum of all actual subsidized usage period for the student, plus the anticipated subsidized usage period for the anticipated award (field will not be populated on actual awards). Field will be populated if SULA = 'Y.' Only for Direct Loan Subsidized awards. Implied Decimal COD will populate the last two decimals with 00 Format: XXX.XXX = XXX$_V$XXX	Numeric	6	967	972	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Example: 005.500 = 005500					
Actual Non-Cred Teacher Cert Sub Usage Period	The period of subsidized aid covered by this award if it has at least one actual disbursement and is for a Non-Credential Teacher Certification Program. Field will be populated if SULA = 'Y' Only for Direct Loan Subsidized awards. Implied Decimal COD will populate the last two decimals with 00 Format: XXX.XXX = XXX$_V$XXX Example: 005.500 = 005500	Numeric	6	973	978	Optional
Anticipated Non-Cred Teacher Cert Sub Usage Period	The period of subsidized aid covered by this award if it does not have any actual disbursements and is for a Non-Credential Teacher Certification Program. Field will be populated if SULA = 'Y' Only for Direct Loan Subsidized awards. Implied Decimal COD will populate the last two decimals with 00 Format: XXX.XXX = XXX$_V$XXX Example: 005.500 = 005500	Numeric	6	979	984	Optional
Remaining Actual Non-Cred Teacher Cert Sub Eligibility Period	This is the remaining period of subsidized aid that a student is eligible to receive if the program is a Non-Credential Teacher Certification. It is equal to the Maximum Subsidized Eligibility Period minus the Sum Actual Subsidized Usage Period. Field will be populated if SULA = 'Y'	Numeric	7	985	991	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Only for Direct Loan Subsidized awards.

Implied Decimal

COD will populate the last two decimals with 00

First space either has negative sign for negative values or 0 for positive values.

Format:

If positive = '0XXXXXX'

If negative = '-XXXXXX'

Example: 005.500 = 005500 | | | | | |
| Remaining Anticipated Sum Non-Cred Teacher Cert Sub Eligibility Period | This is the anticipated remaining period of subsidized aid that a student is eligible to receive for the academic program if the program is a Non-Credential Teacher Certification. It is only calculated if the award does not have any actual disbursements. It is equal to the Maximum Subsidized Eligibility Period minus the Sum Anticipated Subsidized Usage Period. Field will be populated if SULA = 'Y'

Only for Direct Loan Subsidized awards.

Implied Decimal

COD will populate the last two decimals with 00

First space either has negative sign for negative values or 0 for positive values.

Format:

If positive = '0XXXXXX'

If negative = '-XXXXXX'

Example: 005.500 = 005500 | Numeric | 7 | 992 | 998 | Optional |

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Sum Anticipated Non-Cred Teacher Cert Sub Usage Periods	The sum of all actual subsidized usage period for the student that are for Non-Credential Teacher Certification Programs, plus the anticipated subsidized usage period for the anticipated award. Field will be populated if SULA = 'Y' Only for Direct Loan Subsidized awards. Implied Decimal COD will populate the last two decimals with 00 Format: XXX.XXX = XXX$_V$XXX Example: 005.500 = 005500	Numeric	6	999	1004	Optional
SULA Disbursement Number	The disbursement number of the values chosen for Special Programs and Calculated Published Program Length calculations Valid Values 00-99 Required for AY 2017-2018 and forward Will be 0's for AY 2016-2017 and prior	Numeric	2	1005	1006	Optional
SULA Disbursement Sequence Number	The disbursement sequence number of the values chosen for Special Programs and Calculated Published Program Length calculations Valid Values 00-89 Required for AY 2017-2018 and forward Will be 0's for AY 2016-2017 and prior	Numeric	2	1007	1008	Optional
Student	The student eligibility code	Alphanumeric	2	1009	1010	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Eligibility Code	(Direct Loan, Pell and TEACH) Valid Values: 00 - 99 Required for AY 2013-2014 and forward. Will be blank for AY 2012-2013 and prior					
Ability to Benefit Test Admin Code	The ability to benefit (Direct Loan, Pell and TEACH) test admin code Valid Values: 00 - 99 Optional for AY 2013-2014 and forward. Will be blank for AY 2012-2013 and prior	Alphanumeric	2	1011	1012	Optional
Ability to Benefit Test Code	The ability to benefit (Direct Loan, Pell and TEACH) test code Valid Values: 00 - 99 Optional for AY 2013-2014 and forward. Will be blank for AY 2012-2013 and prior	Alphanumeric	2	1013	1014	Optional
Ability to Benefit State Code	The ability to benefit (Direct Loan, Pell and TEACH) state code Refer to Appendix A for valid values for state codes Optional for AY 2013-2014 and forward. Will be blank for AY 2012-2013 and prior	Alphanumeric	2	1015	1016	Optional
Ability to Benefit Complete Date	The ability to benefit (Direct Loan, Pell and TEACH) complete date Format: CCYYMMDD or 0's Optional for AY 2013-2014 and forward.	Date	8	1017	1024	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Will be 0's for AY 2012-2013 and prior					
Informed Borrowing Completion	A value of Y indicates a borrower has acknowledged their loan balance on StudentAid.gov A value of N indicates a borrower has not yet acknowledged their loan balance on StudentAid.gov Starting with AY 2020-2021, a borrower is required to complete informed borrowing on StudentAid.gov before school disburses actual DL disbursement Will be blank for AY 2019-2020 and prior.	Alphanumeric	1	1025	1025	Requried
Informed Borrowing Completion Date	This field represents when a student has confirmed their loan balance on StudentAid.gov CCYYMMDD Can be blank Will always be blank for AY 2019-2020 and prior.	Date	8	1026	1033	Optional
Informed Borrowing ID	A unique, sequenced ID to track loan balance acknowledgement completion. 1 - 999999999999999999 Can be blank Will always be blank for AY 2019-2020 and prior.	Numeric	18	1034	1051	Optional

2.5. NSLDS Disbursement Detail Record – Direct Loan

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	'DLD' - Represents the Direct Loan Disbursement Level Record.	Alphanumeric	3	1	3	Required
Student SSN	This is the Student's SSN that is entered by the user to retrieve student information. Format: 001010001 to 999999998	Numeric	9	4	12	Required
Financial Award ID	The student's unique award identifier. It includes the following elements for Direct Loan program: Student's SSN: 001010001-999999998 Loan Type: S = Subsidized U = Unsubsidized P = PLUS for parent and graduate/professional Borrowers Program Year: 23, for 2022-2023 School Code: X00000-X99999 where X = G or E Award Sequence Number: 001-999 Example: '001010001S23G00000001'	Alphanumeric	21	13	33	Required
Disbursement Number	Indicates the number of the disbursement. Valid Values: 00-99	Numeric	2	34	35	Required
Disbursement Sequence Number	Number that determines the order in which transactions must be processed for a given disbursement number.	Numeric	2	36	37	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Sequence values greater than 01 will only be recorded for Actual Disbursements. Pending Disbursement sequence values will remain 01 despite attribute changes to that disbursement number. Valid Values: 00-89, COD TRANSACTIONS for all programs Valid Values: 90-99 – Payment to Servicer for DL and TEACH					
Gross Transaction Amount	The gross disbursement amount the borrower is obligated to repay as a result of this disbursement. Positive (Negative) value indicates the amount owed. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999'	Numeric	16	38	53	Required
Gross Adjustment Amount	The amount by which to increase (decrease) the Gross Transaction amount. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999'	Numeric	16	54	69	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Fee Transaction Amount	The disbursement fee amount. Positive (Negative) value indicates the fee applied against the disbursement amount. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999'	Numeric	16	70	85	Required
Fee Adjustment Amount	The change in the disbursement fee amount. Positive (Negative) value indicates the fee adjustment to apply against the disbursement amount. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999'	Numeric	16	86	101	Optional
Rebate Transaction Amount	The upfront interest rebate amount. Positive (Negative) value indicates the rebate amount to apply against the disbursement amount. First space either has negative sign for negative values or 0 for positive values. Implied Decimals	Numeric	16	102	117	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Format: ' XXXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999'					
Rebate Adjustment Amount	The change in the interest rebate amount. Positive (Negative) value indicates the adjustment rebate amount to apply against the disbursement amount. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999' Default to 0's	Numeric	16	118	133	Optional
Net Transaction Amount	The net disbursement amount. Positive (Negative) value indicates the amount owed. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999'	Numeric	16	134	149	Required
Net Adjustment Amount	The amount by which to increase (decrease) the Net Transaction amount. First space either has negative sign for negative values or 0 for positive values.	Numeric	16	150	165	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Implied Decimals Format: ' XXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999' Default to 0's					
Disbursement Date	This is disbursement date associated with the disbursement number as reported by the schools to the COD system. Format: CCYYMMDD or 0's	Date	8	166	173	Required
Enrollment School Code	Indicates the physical location where the student is attending class. Valid Values: 00000001-99999999 Default to 0's	Numeric	8	174	181	Optional
Disbursement Status	Indicates whether a disbursement status is pending or if it is an actual disbursement. Valid Values: P = Pending A = Actual R = Review	Alphanumeric	1	182	182	Required
Payment Period Start Date	Beginning date of the payment period. Format: CCYYMMDD or 0's	Date	8	183	190	Optional
Booked Date	Date the disbursement was booked. Format: CCYYMMDD or 0's	Date	8	191	198	Optional
Posted Date	Date the disbursement was posted. Format: CCYYMMDD or 0's	Date	8	199	206	Optional
Enrollment Status	Determines whether status of student is full time (F), three (Q) quarters time, half-time (H), or less than half-time (L). Valid Values:	Alphanumeric	1	207	207	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	F = Full-Time Q = Three Quarters-Time H = Half-Time Blank					
Program CIP Code	Description of student CIP Code. Implied Decimals Format: XX.XXXX = XX$_v$XXXX Example: 01.0001 = 010001 Cannot be blank	Alphanumeric	6	208	213	Required
Payment to Servicer Flag	Indicates a payment to the servicer has been made for Direct Loan program. Valid Values: Y = Payment to Servicer has been made. N = Payment to Servicer has not been made.	Alphanumeric	1	214	214	Required
Payment To Servicer Amount	Amount of payment sent to the servicer by the borrower. Positive Values indicates a reduction on the payment. Negative Values indicate a payment to the servicer. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXX$_v$XX' Valid Values: '-99999999999999' to '0999999999999999' Default to 0's	Numeric	16	215	230	Optional
Payment To Servicer Date	Date the servicer posted the payment to the student's account.	Date	8	231	238	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Format: CCYYMMDD or 0's					
Special Programs	This is the special program type being covered by aid. If the aid is not for a special program, this field will either be blank or display 'Not Applicable'. The valid values are: 'P' = Preparatory Coursework Graduate Professional Program 'U' = Preparatory Coursework Undergraduate 'T' = Non-Credential Teacher Certification 'A' = Special Admissions Associate Degree 'B' = Bachelor Degree Completion Program 'N' = Not Applicable Blank This field is optional for AY 2017-2018 and beyond. All AY's prior will be blank.	Alphanumeric	1	239	239	Optional
Program Credential Level	This is the credential level of the program that is being covered by aid. The valid values for Program Credential Level are: 01 = Undergraduate certificate or diploma program 02 = Associate's degree 03 = Bachelor's degree 04 = Post Baccalaureate certificate 05 = Master's degree 06 = Doctoral degree 07 = First Professional degree 08 = Graduate/Professional certificate	Alphanumeric	2	240	241	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	99 = Non-credential programs (preparatory coursework/teacher certification) Blank Required for DLS, DLU, DLP beginning award year 2017-2018. This field is optional for AY 2017-2018 and beyond. All AY's prior will be blank.					
Published Program Length Years	The length in years of a school's published program that is submitted by a school. COD will process this value as submitted on the Common Record. Implied Decimal Format: XX.XXX = XXXXX This field is optional for AY 2017-2018 and beyond. Will be 0's for AY 2016-2017 and prior.	Numeric	5	242	246	Optional
Published Program Length Months	The length in months of a school's published program that is submitted by a school. COD will process this value as submitted on the Common Record. Only for Direct Loan Subsidized awards. Implied Decimal Format: XX.XXX = XXXXX This field is optional for AY 2017-2018 and beyond. Will be 0's for AY 2016-2017 and prior.	Numeric	5	247	251	Optional
Published Program Length Weeks	The length in weeks of a school's published program that is submitted by the school and COD will process from the Common Record. Only for Direct Loan Subsidized awards.	Numeric	6	252	257	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Implied Decimal Format: XXX.XXX = XXXXXX This field is optional for AY 2017-2018 and beyond. Will be 0's for AY 2016-2017 and prior.					
Weeks Program Academic Year	This is the total number of weeks of instruction in the program's academic year. This field must be greater than or equal to 26. This field is required if Published Program Length is submitted in weeks or months, or if Special Programs is submitted as 'P' – Preparatory Coursework Graduate Professional Program. Only for Direct Loan Subsidized awards. Implied Decimal Format: XXX.XXX = XXXXXX This field is optional for AY 2017-2018 and beyond. Will be 0's for AY 2016-2017 and prior Required if Published Program Length Months or Published Program Length Weeks are populated.	Numeric	6	258	263	Optional
Program CIP Code Year	This field is required for Award Year 2020-2021 and forward. Format: 'CCYY' Will always be blank for AY 2019-2020 and prior.	Date	4	264	267	Required
Coronavirus Indicator	Indicates that the disbursement is selected and qualified for Coronavirus Disaster Relief in a predefined eligible Award Year.	Alphanumeric	1	268	268	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Y = Yes, the Indicator is selected. N = No, the Indicator is updated and no longer eligible for Coronavirus Disaster Relief. Blank = Not Set. This data element is not valid/used before 2018-2019 Award Year.					

2.6. NSLDS Award Detail Record – Pell

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	'PLA' - Represents the Pell Award Level Record.	Alphanumeric	3	1	3	Required
Student SSN	This is the Student's SSN that is entered by the user to retrieve student information. Left justified. Format: 001010001 to 999999998	Numeric	9	4	12	Required
Filler	Filler Space Will be all 0's	Numeric	21	13	33	Optional
Attending School OPE ID	Unique 8 digit school ID for school the student is attending. Valid Values: 00000000 to 99999999	Alphanumeric	8	34	41	Required
Funded School OPE ID	Unique 8 digit school ID for school that was actually funded. It is the funded school associated to the attended school.	Alphanumeric	8	42	49	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Valid Values: 00000000 to 99999999					
Reporting School OPE ID	Unique 8 digit school ID for school reporting the student's information. Valid Values: 00000000 to 99999999	Alphanumeric	8	50	57	Required
Grant Award Year	Tag indicating the year corresponding to awards. Format: CCYY	Numeric	4	58	61	Required
Award Type	Indicates the student's award type. Valid values: PEL If the IASG Flag = 'Y', the reported award is for the Iraq and Afghanistan Service Grant program. The Award Type will still populate with 'PEL'.	Alphanumeric	3	62	64	Required
Award Amount	The total award amount that the student is eligible to receive as determined by the school. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXXX$_V$XX' Valid Values: '-99999999999999' to '0999999999999999'	Numeric	16	65	80	Required
Additional Eligibility Indicator	This field is used to indicate a student's eligibility for 1.5 Pell awards in an award year (Award Years 17-18 and forward). This is submitted by the school via the common record. Blank is valid	Alphanumeric	1	81	81	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Transaction Number	As assigned by CPS to student's "paid on transaction" sent to COD by the school. Valid values: 01-99	Numeric	2	82	83	Required
Cost of Attendance	Students cost to attend the Attended School. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999'	Numeric	16	84	99	Required
Scheduled Award Amount	Maximum Award Amount that a student qualifies for. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999'	Numeric	16	100	115	Required
Total Disbursed Amount	The Year-to-Date total of accepted disbursements. Sum of applied and unapplied funded disbursement amounts at the disbursement level from DISB_TRANS where DRI = True. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXX$_V$XX' Valid Values:	Numeric	16	116	131	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	'-999999999999999' to '0999999999999999' Can be 0's (for anticipated awards)					
Enrollment Date	Accepted Enrollment Date. Range: 10/1 of AY(-1) – 6/30 of AY2 (Ex: for AY2023, range is 20211001 - 20230630) Format: CCYYMMDD Default to 0's	Date	8	132	139	Required
Verification Status	Verification status code submitted to COD by the School. V: Verified W: Without Documentation S: Selected Not Verified Blank	Alphanumeric	1	140	140	Required
Incarceration Status	Y is populated if the student is incarcerated in a local institution, but is otherwise eligible. N is populated if the student previously reported as incarcerated, but is not or is no longer incarcerated. Blank	Alphanumeric	1	141	141	Required
POP Flag - this school	Potential over-award flag. POP status indicator Y/N Blank	Alphanumeric	1	142	142	Required
Primary EFC	As assigned by CPS to student's "paid on transaction" sent to COD by the school. Default to 0's	Numeric	6	143	148	Required
Secondary EFC	As assigned by CPS to student's "paid on transaction" sent to COD by CPS. If CPS did not calculate a Secondary EFC, then it will be 0's	Numeric	6	149	154	Required
Total Eligibility	Calculated as sum of all Percent Eligibility Used for all Pell	Numeric	7	155	161	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Used (TEU)	awards for this award year when the reported award type is Pell. Calculated as sum of all Percent Eligibility Used for all IASG awards for this award year when the reported award type is IASG (i.e. IASG Flag = 'Y'). Implied Decimal: 999v9999 Format: XXX.XXXX = XXXXXXX Example: 012.3454 = 0123454 Default to 0's for negative or not set TEU values					
Eligibility Used (EU)	Percent Eligibility Used at this school for all Pell awards for this award year when the reported award type is Pell. Percent Eligibility Used at this school for all IASG awards for this award year when the reported award type is IASG (i.e. IASG Flag = 'Y'). Default to 0's Implied Decimal: 999v9999 Format: XXX.XXXX = XXXXXXX Example: 012.3454 = 0123454 Default to 0's for negative or not set EU values	Numeric	7	162	168	Required
IASG Flag	Indicates that the student is a recipient of an Iraq and Afghanistan Service Grant Award. 'Y' – the reported award is an IASG Award.	Alphanumeric	1	169	169	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	'N' – the reported award is a Pell Award. Will not populate with Blank.					
Create Date	Date that the award was added to the COD system Format: CCYYMMDD	Date	8	170	177	Required
In Collection Amount	In Collection Amount data First space either has negative sign for negative values or 0 for positive values. Implied Decimal Format: ' XXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999'	Numeric	16	178	193	Required
Collected Amount	Collected Amount First space either has negative sign for negative values or 0 for positive values. Implied Decimal Format: ' XXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999'	Numeric	16	194	209	Required
Collection Status Code	Collection Status Code Valid Values include R, P, C and S Blank	Alphanumeric	1	210	210	Required
Student Eligibility Code	The student eligibility code (Direct Loan, Pell and TEACH) Valid Values: 00 - 99 Required for AY 2013-2014 and forward.	Alphanumeric	2	211	212	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Will be blank for AY 2012-2013 and prior					
Ability to Benefit Test Admin Code	The ability to benefit (Direct Loan, Pell and TEACH) test admin code Valid Values: 00 - 99 Optional for AY 2013-2014 and forward. Will be blank for AY 2012-2013 and prior	Alphanumeric	2	213	214	Optional
Ability to Benefit Test Code	The ability to benefit (Direct Loan, Pell and TEACH) test code Valid Values: 00 - 99 Optional for AY 2013-2014 and forward. Will be blank for AY 2012-2013 and prior	Alphanumeric	2	215	216	Optional
Ability to Benefit State Code	The ability to benefit (Direct Loan, Pell and TEACH) state code Refer to Appendix A for valid values for state codes Optional for AY 2013-2014 and forward. Will be blank for AY 2012-2013 and prior	Alphanumeric	2	217	218	Optional
Ability to Benefit Complete Date	The ability to benefit (Direct Loan, Pell and TEACH) complete date Format: CCYYMMDD or 0's Optional for AY 2013-2014 and forward. Will be 0's for AY 2012-2013 and prior	Date	8	219	226	Optional
CFH Indicator	This field is used to indicate eligibility for an increased Pell award under the Children of Fallen Heroes Scholarship	Alphanumeric	1	227	227	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Act. When = "Y" the Scheduled Award Amount is calculated with zero EFC regardless of the EFC on the CPS transaction. For Award Year 2018-2019 and 2019-2029, this field is submitted by School via COD Web only. For Award Year 2020-2021 and forward, the CFH Indicator will be systematically set when a Pell award is submitted via COD Web or School Batch. COD will use the CFH Indicator on the linked CPS DDE Transaction to set or update the value. If the reported award is an IASG award (i.e. IASG Flag = 'Y'), this field will be Blank or N. Y/N Blank is valid Will be Blank for AY 2017-2018 and prior.					

2.7. NSLDS Pell Disbursement Detail Record

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	'PLD' - Represents the Pell Disbursement Level Record.	Alphanumeric	3	1	3	Required
Student SSN	This is the Student's SSN that is entered by the user to retrieve student information. Format: 001010001 to 999999998	Numeric	9	4	12	Required
Filler	Filler Space	Numeric	21	13	33	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Will be all 0's					
Disbursement Number	Indicates the number of the disbursement. Valid Values: 00-99	Numeric	2	34	35	Required
Disbursement Sequence Number	Number that determines the order in which transactions must be processed for a given disbursement number. Sequence values greater than 01 will only be recorded for Actual Disbursements. Pending Disbursement sequence values will remain 01 despite attribute changes to that disbursement number. Valid Values: 00-89, COD TRANSACTIONS for all programs	Numeric	2	36	37	Required
Disbursement Amount	The disbursement amount. Positive (Negative) value indicates the amount owed. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999'	Numeric	16	38	53	Required
Disbursement Date	This is disbursement date associated with the disbursement number as reported by the schools to the COD system. Format: CCYYMMDD	Date	8	54	61	Required
Enrollment School Code	Indicates the physical location where the student is attending class. Valid Values:	Alphanumeric	8	62	69	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	00000001-99999999 Can be blank					
Disbursement Status	Indicates whether a disbursement status is pending or if it is an actual disbursement. Valid Values: P = Pending A = Actual R = Review	Alphanumeric	1	70	70	Required
Payment Period Start Date	Beginning date of the payment period. Format: CCYYMMDD or 0's	Date	8	71	78	Optional
Posted Date	Date the disbursement was posted. Format: CCYYMMDD or 0's	Date	8	79	86	Optional
Enrollment Status	Determine whether status of student is full time (F), three quarters time (Q), half time (H), or less than half-time (L). Valid Values: F = Full-Time Q = Three Quarters-Time H = Half-Time L = Less than Half-Time Blank	Alphanumeric	1	87	87	Optional
Program CIP Code	Description of student CIP Code Implied Decimal Format: XX.XXX = XXXXX Example: 01.0001 = 010001 Cannot be blank	Alphanumeric	6	88	93	Required
Special Programs	This is the special program type being covered by aid. If the aid is not for a special program, this field will either be blank or display 'Not Applicable'. The valid values are:	Alphanumeric	1	94	94	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	'P' = Preparatory Coursework Graduate Professional Program 'U' = Preparatory Coursework Undergraduate 'T' = Non-Credential Teacher Certification 'A' = Special Admissions Associate Degree 'B' = Bachelor Degree Completion Program 'N' = Not Applicable This field is optional for AY 2017-2018 and beyond. All AY's prior will be blank.					
Program Credential Level	This is the credential level of the program that is being covered by aid. The valid values for Program Credential Level are: 01 = Undergraduate certificate or diploma program 02 = Associate's degree 03 = Bachelor's degree 04 = Post Baccalaureate certificate 05 = Master's degree 06 = Doctoral degree 07 = First Professional degree 08 = Graduate/Professional certificate 99 = Non-credential programs (preparatory coursework/teacher certification) This field is optional for AY 2017-2018 and beyond. All AY's prior will be blank.	Alphanumeric	2	95	96	Optional
Published Program Length Years	The length in years of a school's published program that is submitted by a school. COD will	Numeric	5	97	101	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	process this value as submitted on the Common Record. Implied Decimal Format: XX.XXX = XXXXX This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.					
Published Program Length Months	The length in months of a school's published program that is submitted by a school. COD will process this value as submitted on the Common Record. Implied Decimal Format: XX.XXX = XXXXX This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.	Numeric	5	102	106	Optional
Published Program Length Weeks	The length in weeks of a school's published program that is submitted by the school and COD will process from the Common Record. Implied Decimal Format: XXX.XXX = XXXXXX This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.	Numeric	6	107	112	Optional
Weeks Program Academic Year	This is the total number of weeks of instruction in the program's academic year.	Numeric	6	113	118	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	This field must be greater than or equal to 26. This field is required if Published Program Length is submitted in weeks or months, or if Special Programs is submitted as 'P' – Preparatory Coursework Graduate Professional Program. Implied Decimal Format: XXX.XXX = XXXXXX This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.					
Program CIP Code Year	This field is required for Award Year 2020-2021 and forward. Format: 'CCYY' Will always be blank for AY 2019-2020 and prior.	Date	4	119	122	Required
Coronavirus Indicator	Value will display indicator selected on Disbursement in eligible AY Y = Yes, the Indicator is selected. N = No, the Indicator is updated and no longer eligible for Coronavirus Disaster Relief. Blank = Not Set. This data element is not valid/used before 2018-2019 Award Year.	Alphanumeric	1	123	123	Optional

2.8. NSLDS Award Detail Record – TEACH

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	'THA' - Represents the TEACH Award Level Record.	Alphanumeric	3	1	3	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Student SSN	This is the Student's SSN that is entered by the user to retrieve student information. Left justified. Format: 001010001 to 999999998	Numeric	9	4	12	Required
Financial Award ID	The student's unique award identifier. It includes the following elements for TEACH program: Student's SSN: 001010001-999999998 Award Type: H = TEACH Program Year: 23, for 2022-2023 School Code: 000000-099999 Award Sequence Number: 001-999 Example: '001010001H23000000001'	Alphanumeric	21	13	33	Required
Award Type	Indicates the student's award type. Valid values: TCH = TEACH	Alphanumeric	3	34	36	Required
Award Amount	The total award amount that the student is eligible to receive as determined by the school. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXX$_V$XX' Valid Values: '-999999999999999' to '0999999999999999'	Numeric	16	37	52	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Award Number	Award Sequence number. Valid Values: 000-999	Numeric	3	53	55	Required
Award Year	Tag indicating the year corresponding to awards. Format: CCYY	Numeric	4	56	59	Required
Attending School OPE ID	Unique 8 digit school ID for school the student is attending. Valid Values: 00000000 to 99999999	Alphanumeric	8	60	67	Required
Funded School OPE ID	Unique 8 digit school ID for school that was actually funded. It is the funded school associated to the attended school. Valid Values: 00000000 to 99999999	Alphanumeric	8	68	75	Required
Reporting School OPE ID	Unique 8 digit school ID for school reporting the student's information. Valid Values: 00000000 to 99999999	Alphanumeric	8	76	83	Required
Student Level Code	Indicates the student's current academic level as defined by DL, ACG, SMART, or TEACH programs. Student level can differ by program for the same award year. Valid values: 0 = 1st Year Undergraduate (No previous) 1 = 1st Year Undergraduate (Previous) 2 = 2nd Year Undergraduate 3 = 3rd Year Undergraduate 4 = 4th Year Undergraduate 5 = 5th Year Undergraduate 6 = 1st Year Graduate/Professional 7 = Continuing Graduate/Professional	Alphanumeric	1	84	84	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Transaction Number	As assigned by CPS to student's "paid on transaction" sent to COD by the school. Valid values: 01-99	Numeric	2	85	86	Required
Enrollment Date	Accepted Enrollment Date. Range: 10/1 of AY(-1) – 6/30 of AY2 (Ex: for AY2022, range is 20211001 - 20230630) Default to 0's	Date	8	87	94	Required
Discharge Type	Indicates the type of discharge accepted for the student. It includes: B = Borrower Defense R = Disaster Relief C = Closed School F = False Certification Ability to benefit M = False Certification – Disqualifying Status U = Unpaid Refund G = Unauthorized Signature/Unauthorized Payment X = Bankruptcy D = Death H = Disability V = Veteran's Disability T = Teacher Forgiveness S = Satisfied I = Identity Theft Blank	Alphanumeric	1	95	95	Optional
Discharge Date	The date on which the discharge was accepted for the student. Format: CCYYMMDD or 0's	Date	8	96	103	Optional
Discharge Amount	The discharge amount applied to the student.	Numeric	16	104	119	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXXXvXX' Valid Values: '-999999999999999' to '0999999999999999' Default to 0's					
Loan Servicer	The TIVAS servicer assigned to the student. Examples: 578 = Dept. of Ed. Sallie Mae 579 = Dept. of Ed. PHEEA 580 = Dept. of Ed. Nelnet 581 = Dept. of Ed. Great Lakes Can be 0's	Numeric	3	120	122	Optional
TEACHER Expert Indicator	Indicates that the graduate student is a teacher expert. This tag may only be submitted for graduate students (grade level equals either 6 or 7) Y/N or blank	Alphanumeric	1	123	123	Required
Student Eligibility Code	The student eligibility code (Direct Loan, Pell and TEACH) Valid Values: 00 - 99 Required for AY 2013-2014 and forward. Will be blank for AY 2012-2013 and prior	Alphanumeric	2	124	125	Optional
Ability to Benefit Test Admin Code	The ability to benefit (Direct Loan, Pell and TEACH) test admin code Valid Values: 00 - 99	Alphanumeric	2	126	127	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Optional for AY 2013-2014 and forward. Will be blank for AY 2012-2013 and prior					
Ability to Benefit Test Code	The ability to benefit (Direct Loan, Pell and TEACH) test code Valid Values: 00 - 99 Optional for AY 2013-2014 and forward. Will be blank for AY 2012-2013 and prior	Alphanumeric	2	128	129	Optional
Ability to Benefit State Code	The ability to benefit (Direct Loan, Pell and TEACH) state code Refer to Appendix A for valid values for state codes Optional for AY 2013-2014 and forward. Will be blank for AY 2012-2013 and prior	Alphanumeric	2	130	131	Optional
Ability to Benefit Complete Date	The ability to benefit (Direct Loan, Pell and TEACH) complete date Format: CCYYMMDD or 0's Optional for AY 2013-2014 and forward. Will be 0's for AY 2012-2013 and prior	Date	8	132	139	Optional

2.9. NSLDS Disbursement Detail Record – TEACH

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	'THD' - Represents the TEACH Disbursement Level Record.	Alphanumeric	3	1	3	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Student SSN	This is the Student's SSN that is entered by the user to retrieve student information. Format: 001010001 to 999999998	Numeric	9	4	12	Required
Financial Award ID	The student's unique award identifier. It includes the following elements for TEACH program: Student's SSN: 001010001-999999998 Award Type: H = TEACH Program Year: 23, for 2022-2023 School Code: 000000-099999 Award Sequence Number: 001-999 Example: '001010001H23000000001'	Alphanumeric	21	13	33	Required
Disbursement Number	Indicates the number of the disbursement. Valid Values: 00-99	Numeric	2	34	35	Required
Disbursement Sequence Number	Number that determines the order in which transactions must be processed for a given disbursement number. Sequence values greater than 01 will only be recorded for Actual Disbursements. Pending Disbursement sequence values will remain 01 despite attribute changes to that disbursement number. Valid Values: 00-89 TO COD TRANSACTIONS for all programs Valid Values: 90-99 – Payment to Servicer for DL and TEACH	Numeric	2	36	37	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Disbursement Amount	The disbursement amount. Positive (Negative) value indicates the amount owed. First space either has negative sign for negative values or 0 for positive values. Implied Decimals Format: ' XXXXXXXXXXXXX∨XX' Valid Values: '-999999999999999' to '0999999999999999'	Numeric	16	38	53	Required
Disbursement Date	This is disbursement date associated with disbursement number as reported by the schools to the COD system. Format: CCYYMMDD	Numeric	8	54	61	Required
Enrollment School Code	Indicates the physical location where the student is attending class. Valid Values: 00000001-99999999 Blank	Alphanumeric	8	62	69	Optional
Disbursement Status	Indicates whether a disbursement status is pending or if it is an actual disbursement. Valid Values: P = Pending A = Actual R = Review	Alphanumeric	1	70	70	Required
Payment Period Start Date	Beginning date of the payment period. Format: CCYYMMDD or 0's	Date	8	71	78	Optional
Booked Date	Date the disbursement was booked. Format: CCYYMMDD or 0's	Date	8	79	86	Optional
Posted Date	Date the disbursement was posted.	Date	8	87	94	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Format: CCYYMMDD or 0's					
Enrollment Status	Determines whether status of student is full time (F), three (Q) quarters time, half-time (H), or less than half-time (L). Valid Values: F = Full-Time Q = Three Quarters-Time H = Half-Time L = Less than Half-Time Blank	Alphanumeric	1	95	95	Optional
Program CIP Code	Description of student CIP Code. Implied Decimals Format: XX.XXXX = XX$_v$XXXX Example: 01.0001 = 010001 Cannot be blank	Alphanumeric	6	96	101	Required
Special Programs	This is the special program type being covered by aid. If the aid is not for a special program, this field will either be blank or display 'Not Applicable'. The valid values are: 'P' = Preparatory Coursework Graduate Professional Program 'U' = Preparatory Coursework Undergraduate 'T' = Non-Credential Teacher Certification 'A' = Special Admissions Associate Degree 'B' = Bachelor Degree Completion Program 'N' = Not Applicable This field is optional for AY 2017-2018 and beyond. All AY's prior will be blank.	Alphanumeric	1	102	102	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Program Credential Level	This is the credential level of the program that is being covered by aid. The valid values for Program Credential Level are: 01 = Undergraduate certificate or diploma program 02 = Associate's degree 03 = Bachelor's degree 04 = Post Baccalaureate certificate 05 = Master's degree 06 = Doctoral degree 07 = First Professional degree 08 = Graduate/Professional certificate 99 = Non-credential programs (preparatory coursework/teacher certification) This field is optional for AY 2017-2018 and beyond. All AY's prior will be blank.	Alphanumeric	2	103	104	Optional
Published Program Length Years	The length in years of a school's published program that is submitted by a school. COD will process this value as submitted on the Common Record. Implied Decimal Format: XX.XXX = XXXXX This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.	Numeric	5	105	109	Optional
Published Program Length Months	The length in months of a school's published program that is submitted by a school. COD will process this value as submitted on the Common Record. Implied Decimal	Numeric	5	110	114	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Format: XX.XXX = XXXXX This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.					
Published Program Length Weeks	The length in weeks of a school's published program that is submitted by the school and COD will process from the Common Record. Implied Decimal Format: XXX.XXX = XXXXXX This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.	Numeric	6	115	120	Optional
Weeks Program Academic Year	This is the total number of weeks of instruction in the program's academic year. This field must be greater than or equal to 26. This field is required if Published Program Length is submitted in weeks or months, or if Special Programs is submitted as 'P' – Preparatory Coursework Graduate Professional Program. Implied Decimal Format: XXX.XXX = XXXXXX This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.	Numeric	6	121	126	Optional
Program CIP Code Year	This field is required for Award Year 2020-2021 and forward. Format: 'CCYY' Will always be blank for AY 2019-2020 and prior.	Date	4	127	130	Required
Coronavirus Indicator	Value will display indicator selected on Disbursement in eligible AY	Alphanumeric	1	131	131	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Y = Yes, the Indicator is selected.					
	N = No, the Indicator is updated and no longer eligible for Coronavirus Disaster Relief.					
	Blank = Not Set.					
	This data element is not valid/used before 2018-2019 Award Year.					

2.10. NSLDS Trailer Record

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'ZZZ' – Represents Trailer Record	Alphanumeric	3	1	3
Trailer Sort Key	High value '999999999'	Alphanumeric	9	4	12
Trailer Title	Value 'SEND FILE DATA TRAILER'	Alphanumeric	22	13	34
File ID	Unique File Identification Number	Numeric	8	35	42
Total Record Count	Total count of detail records.	Numeric	9	43	51
Type PSN Record Count	Total count of PSN record types	Numeric	9	52	60
Type DLA Record Count	Total count of DLA record types	Numeric	9	61	69
Type DLD Record Count	Total count of DLD record types	Numeric	9	70	78
Type PLA Record Count	Total count of PLA record types	Numeric	9	79	87
Type PLD Record Count	Total count of PLD record types	Numeric	9	88	96
Type THA Record Count	Total count of THA record types	Numeric	9	97	105
Type THD Record Count	Total count of THD record types	Numeric	9	106	114

2.11. SAIG Trailer Record

Data Element	Description	Field Format	Length	Start Position	End Position
SAIG Batch Trailer Identification	Constant "O*N95"	Alphanumeric	5	1	5
Destination SAIG Mailbox	Destination SAIG Mailbox	Alphanumeric	7	6	12
Constant spaces	Unused	Alphanumeric	7	13	19
Trailer Class Label	Constant: ",CLS="	Alphanumeric	5	20	24
Destination Message Class	Varies based on file type	Alphanumeric	8	25	32
Trailer XXX Label	Constant: ",XXX"	Alphanumeric	4	33	36
Text used to identify the next field in a Batch ID	Constant: ",BAT="	Alphanumeric	5	37	41
Batch ID	File Batch ID	Alphanumeric		42	
Constant spaces	Unused (Record must exceed 70 characters)	Alphanumeric	70+	42	92

Section 3. NSLDS-COD Receipt File Sepcification

3.1. SAIG Header Record

Data Element	Description	Field Format	Length	Start Position	End Position
SAIG Batch Header Identification	Constant "O*N05"	Alphanumeric	5	1	5
Destination SAIG Mailbox	Destination SAIG Mailbox	Alphanumeric	7	6	12
Constant spaces	Unused	Alphanumeric	7	13	19
Header Class Label	Constant: ",CLS="	Alphanumeric	5	20	24
Destination Message Class	Varies based on file type	Alphanumeric	8	25	32
Header XXX Label	Constant: ",XXX"	Alphanumeric	4	33	36
Text used to identify the next field in a Batch ID	Constant: ",BAT="	Alphanumeric	5	37	41
Batch ID	File Batch ID	Alphanumeric		42	
Constant spaces	Unused (Record must exceed 70 characters)	Alphanumeric	70+	42	92

3.2. NSLDS Receipt Header Record

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'000' – Represents Header	Alphanumeric	3	1	3
Header Sort Key	Low value '000000000'	Alphanumeric	9	4	12
Header Title	Value 'NSLDS SEND DATA RECEIPT HEADER'	Alphanumeric	30	13	42
Submittal Date/Time	Timestamp for when the file was submitted. Format: CCYYMMDDHHMMSSHHMMMM No punctuation.	Timestamp	20	43	62
File ID	Unique File Identification Number	Numeric	8	63	70
Total Record Count	Total count of detail records.	Numeric	9	71	79

3.3. NSLDS Receipt Detailed Record

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'001' – Represents Detailed Record	Alphanumeric	3	1	3
File ID	Unique File Identification Number	Numeric	8	4	11
Status Code	Response will indicate the status of the sent Direct Loan Data file. P = The file was successfully processed R = The file was received by NSLDS but unable to process	Alphanumeric	1	12	12

3.4. NSLDS Receipt Trailer Record

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'999' – Represents Trailer Record	Alphanumeric	3	1	3
Trailer Sort Key	High value '999999999'	Alphanumeric	9	4	12
Trailer Title	Value 'NSLDS SEND DATA RECEIPT TRAILER'	Alphanumeric	31	13	43
File ID	Unique File Identification Number	Numeric	8	44	51
Total Record Count	Total count of detail records.	Numeric	9	52	60

3.5. SAIG Trailer Record

Data Element	Description	Field Format	Length	Start Position	End Position
SAIG Batch Trailer Identification	Constant "O*N95"	Alphanumeric	5	1	5
Destination SAIG Mailbox	Destination SAIG Mailbox	Alphanumeric	7	6	12
Constant spaces	Unused	Alphanumeric	7	13	19
Trailer Class Label	Constant: ",CLS="	Alphanumeric	5	20	24
Destination Message Class	Varies based on file type	Alphanumeric	8	25	32
Trailer XXX Label	Constant: ",XXX"	Alphanumeric	4	33	36
Text used to identify the next field in a Batch ID	Constant: ",BAT="	Alphanumeric	5	37	41
Batch ID	File Batch ID	Alphanumeric		42	

Data Element	Description	Field Format	Length	Start Position	End Position
Constant spaces	Unused (Record must exceed 70 characters)	Alphanumeric	70+	42	92

Section 4. Acronyms and Abbreviations

ACRONYM	DEFINITION

Table **Error! No text of specified style in document.**-1: Acronyms and Abbreviations

COD-NSLDS Send Data File Request and Receipt Files
Interface Control Document

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4.1. Glossary

TERM	DEFINITION

NSLDS – COD Cohort Default Rate
Interface Control Document

Version 7.0 ● 10/18/2019

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	7/29/2014	Accenture	Initial Draft
2.0	8/20/2014	Accenture	Updates made after FSA meeting.
3.0	8/28/2014	Accenture	Updates made to file layout and queue name
4.0	9/10/2014	Accenture	Updates made to DI Transfer Parameters
5.0	9/22/2014	Accenture	Updates to File Layout- Trailer Title Length
6.0	9/13/2019	Accenture	Updates made to reflect transfer via SAIG
7.0	10/18/2019	Accenture	Updating messge class name based on feedback from SAIG

Table of Contents

Section 1. Interface Control Specification

Interface Name *	NSLDS-COD Cohort Default Rate File
Interface Type *	Unidirectional
Interface Short Description *	This document defines the processes utilized by COD and NSLDS to send Cohort Default Rate Files to COD via SAIG. With R13.2 NSLDS will begin to produce a new Cohort Default Rate file to provide COD with a weekly record of schools' cohort default rates. This file will be extracted and transmitted to COD on a weekly basis, specifically, Wednesday. The file will report all Cohort Default Rate data processed by NSLDS since the previous transmission.
Requesting (Source) Application *	**NSLDS is the source application of the Cohort Default Rate file.**
Responding (Receiving or Destination) Application *	**COD is the destination application of the Cohort Default Rate File**
Technical Requirement References *	Source TG Mailbox (Production): TG50012 Source TG Mailbox (Test): TGM8699 Message Class (Production): NSLCDROP Message Class (Test): NSTCDROP Destination TG Mailbox (Production): TG71900 Destination TG Mailbox (Test): TGS2700
Interface Usage Frequence *	NSLDS will transmit one file per week to COD.
Interface Usage Volume *	Average Number of Records 20,000 per week Estimated Peak Number of Records 30,000 per week

Required field

Section 2. Interface Overview

2.1. Flow Diagram

[Insert Diagram. Diagram should depict the destination points, transmission mechanism used for the exchange…]

2.2. Flow Diagram Description

1. The NSLDS system will initiate a process to extract the data and create the file for the Cohort Default Rate file.
2. NSLDS will transfer the file to COD's SAIG mailbox.
3. The COD scheduler will invoke the weekly file data load job upon the receipt of the Cohort Default Rate file.
4. The COD load data job will process the Cohort Default Rate file and load all information into the COD database

2.3. Usage Scenarios

NSLDS will send Cohort Default Rate files to COD every Wednesday.

Section 3. System Information

3.1. Requesting (or Source) System Information

#	Type	
1	Production System Location	Plano, TX
2	Contracting Organization	BRIEFCASE Systems Development, Inc. (BSD)
3	Developer Location	Arlington, VA

3.2. Responding (Receiving or Destination) System Information

#	Type	
1	Production System Location	Amazon Web Services GovCloud West
2	Contracting Organization	Accenture
3	Developer Location	Washington, DC

Section 4. Interfacing System Responsibilities

4.1. Requesting (or Source) System Responsibilities

NSLDS

#	Description
1	NSLDS will extract Cohort Default Rate data from the NSLDS database.
2	The extracted data will be saved to a flat file
3	The data extracted will be formatted as specified in the File Specification section.
4	The "SAIG Header Record" will be the first record in the file. The "Header Record" will be the second record in the file marked with Record Type 000. The "Trailer Record" will be the second to last record in the file marked with Record Type 999. The "SAIG Trailer Record" will be the last record in the file.
5	NSLDS will transfer the file to COD via SAIG.

4.2. Responding (Receiving or Destination) System Responsibilities

COD

#	Description
1	COD will retrieve the file from SAIG.
2	COD will sweep up the staged Cohort Default Rate file and parser the data.
3	COD will write the data from the Cohort Default Rate file to the COD database.

Section 5. Business Rules and Logic

Type	Description
Alphanumeric	All characters will be left justified and padded with spaces. Unless otherwise noted in the file specification section, blank/null optional fields will be padded with spaces.
Numeric/timestamp/date	All characters will be left padded with '0'. If it is blank/null, the length for the location of the field will be padded with '0'.
All fields	If the length of the source exceeds the maximum length of the data element, the source will be truncated according to business rules per field.
Record Type	Cannot be blank/null.
Main Institution ID	Cannot be blank/null.
Timestamp	Cannot be blank/null.
Cohort Year	Cannot be blank/null.
Cohort Default Rate Indicator	Cannot be blank/null.
Cohort Default Rate	Cannot be blank/null.
Cohort Default Rate Numerator	Cannot be blank/null.
Cohort Default Rate Denominator	Cannot be blank/null.
Total Dollar Amount in Default	Cannot be blank/null.
Total Dollar Amount in Repayment	Cannot be blank/null.

Section 6. File Specification

SAIG Header Record:

Description	Description	Field Format	Length	Start Position	End Position
SAIG Batch Header Identification	Constant "O*N05"	Alphanumeric	5	1	5
Destination SAIG Mailbox	Destination SAIG Mailbox	Alphanumeric	7	6	12
Constant spaces	Unused	Alphanumeric	7	13	19
Header Class Label	Constant: ",CLS="	Alphanumeric	5	20	24
Destination Message Class	Varies based on file type	Alphanumeric	8	25	32
Header XXX Label	Constant: ",XXX"	Alphanumeric	4	33	36
Text used to identify the next field in a Batch ID	Constant: ",BAT="	Alphanumeric	5	37	41
Batch ID	File Batch ID	Alphanumeric		42	
Constant spaces	Unused (Record must exceed 70 characters)	Alphanumeric	70+	42	92

NSLDS-COD Cohort Default Rate Header Record:

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'000' – Represents Header	Numeric	3	1	3
Header Sort Key	Low value '000000000'	Numeric	9	4	12
Header Title	Value 'COHORT DEFAULT HEADER'	Alphanumeric	23	13	35
Submittal Date/Time	Timestamp for when the file was submitted. Format: CCYYMMDDHHMMSSMMMMMM No punctuation.	Timestamp	20	36	55
Total Record Count	Total count of detail records.	Numeric	9	56	64

NSLDS-COD Cohort Default Rate Detailed Record:

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	'001' – Represents Cohort Default Rate Detail	Numeric	3	1	3	Required
Main Institution ID	Unique 6-digit Main Institution code used to identify a location of an institution	Numeric	6	4	9	Required
Timestamp	Time and Date of the Current Default Rate calculation Format: CCYYMMDD HHMMSSMM MMMM No punctuation.	Timestamp	20	10	29	Required
Cohort Year	Specific Cohort Year	Numeric	4	30	33	Required
Cohort Default Rate Indicator	Indicates whether the Cohort Default Rate Values are Draft or Official. Valid Values: A- 2 year Official D- 2 year Draft E- 3 year Official 3 year Draft	Character	1	34	34	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Cohort Default Rate	The Cohort Default Rate (Numerator/Denominator) as a percentage with an implied decimal before the last digit. Examples: 1000= 100% 0305= 30.5%	Numeric	4	35	38	Required
Cohort Default Rate Numerator	The number of borrowers in default	Numeric	6	39	44	Required
Cohort Default Rate Denominator	The total number of borrowers	Numeric	6	45	50	Required
Total Dollar Amount in Default	The total amount in default	Numeric	12	51	62	Required
Total Dollar Amount in Repayment	The total amount in repayment	Numeric	12	63	74	Required

NSLDS-COD Cohort Default Rate Trailer Record:

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'999' – Represents Trailer Record	Numeric	3	1	3
Trailer Sort Key	High value '999999999'	Numeric	9	4	12
Trailer Title	Value 'COHORT DEFAULT TRAILER'	Alphanumeric	23	13	35
Total Record Count	Total count of detail records.	Numeric	9	36	44

SAIG Trailer Record:

Description	Description	Field Format	Length	Start Position	End Position
SAIG Batch Trailer Identification	Constant "O*N95"	Alphanumeric	5	1	5
Destination SAIG Mailbox	Destination SAIG Mailbox	Alphanumeric	7	6	12
Constant spaces	Unused	Alphanumeric	7	13	19
Trailer Class Label	Constant: ",CLS="	Alphanumeric	5	20	24
Destination Message Class	Varies based on file type	Alphanumeric	8	25	32
Trailer XXX Label	Constant: ",XXX"	Alphanumeric	4	33	36
Text used to identify the next field in a Batch ID	Constant: ",BAT="	Alphanumeric	5	37	41
Batch ID	File Batch ID	Alphanumeric		42	
Constant spaces	Unused (Record must exceed 70 characters)	Alphanumeric	70+	42	92

Section 7. Interface Assumptions and Dependencies

7.1. Assumptions

#	Assumption
	Operational Assumptions
1	The NSLDS/COD systems execute in a batch TSO (time sharing option) environment.
2	COD and NSLDS will integrate with SAIG.
3	Batch job failures including errors integrating with SAIG will be captured by COD/NSLDS Operations.
4	zOS Language Environment with C/C++ support is available.
	Functional Assumptions
1	NSLDS DB2 contains information required to create the Cohort Default Rate file.
2	COD will process the Cohort Default Rate file. The rules for processing the file are beyond the scope of this document.
	COD will process all Cohort Default Rate files, including multiple files received in a week.
3	COD will not send a response or receipt file.

7.2. Dependencies

NSLDS is dependent on the network and Data Center managed by the VDC, and COD is dependent on the network managed by Amazon Web Services.

Appendix A - Acronyms and Abbreviations

ACRONYM	DEFINITION

Table A-1: Acronyms and Abbreviations

Appendix B - Glossary

Term	Definition

Table B-1: Glossary
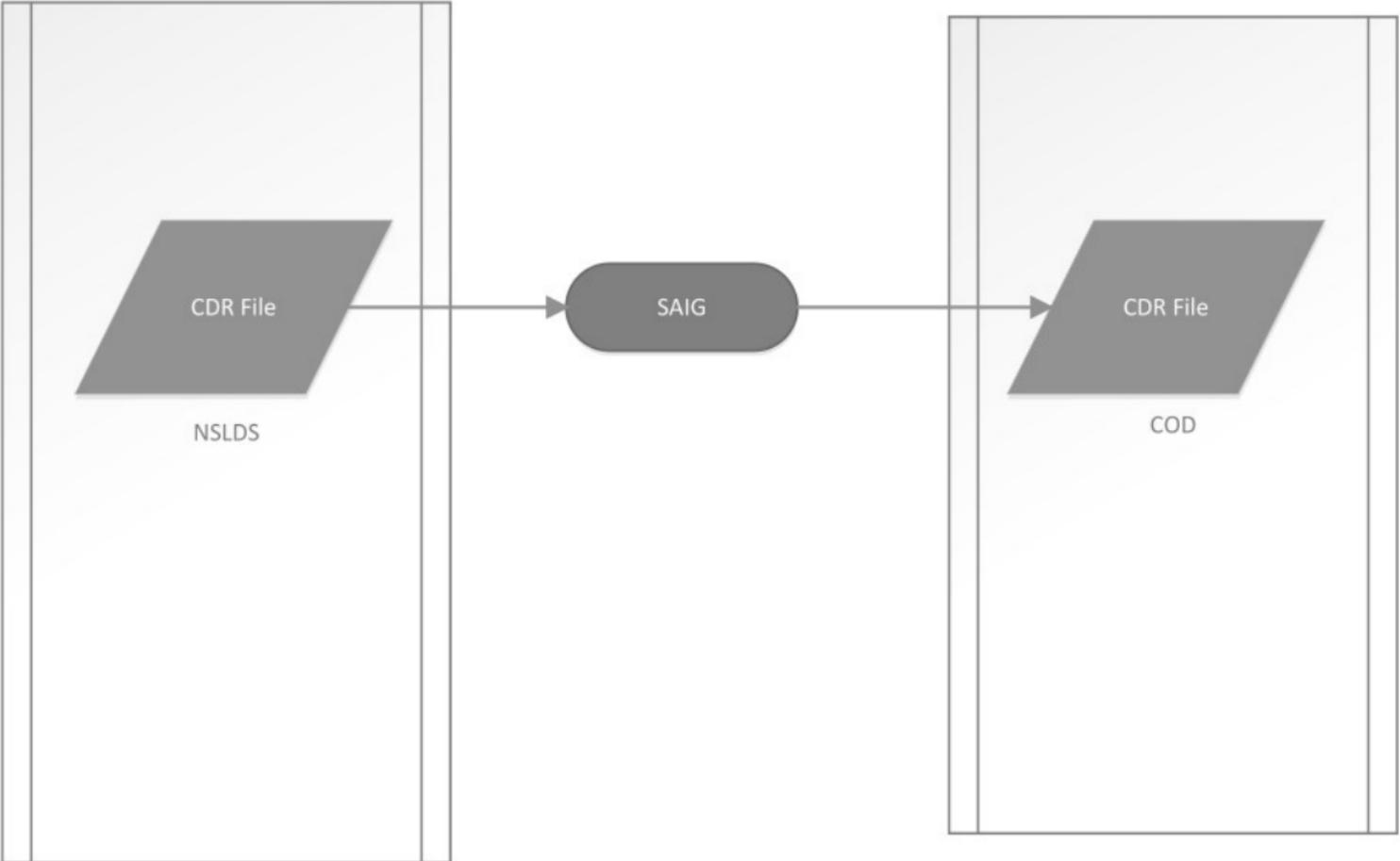
U.S. Department of Education
Federal Student Aid

National Student Loan Data System

COD – NSLDS CICS Call
Interface Control Document

Draft

Version 9.0

August 7, 2019

Document Version Control

Version	Date	Description
1.0	August 3, 2015	Draft version of document created for NSLDS Mod 8
2.0	August 10, 2015	Updated as per FSA comments.
3.0	August 14, 2015	Updated with additional data elements from MOD 16.
4.0	August 19, 2015	Updated as per FSA comments and per FSA's request to reduce scope of changes to XML for MOD 8.
5.0	August 24, 2015	Updated as per FSA comments.
6.0	September 24, 2015	Updated as per FSA comments.
7.0	September 29, 2015	Updated to remove Transaction Log references
8.0	February 22, 2016	Updated as per CR 3441.
9.0	August 7, 2019	Update per CR_118597 for COD to ESB interface.

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Purpose

The COD-NSLDS Call is a CICS (Customer Information Control System) transaction in which COD (Common Origination and Disbursement) system makes a request of borrower information from NSLDS (National Student Loan Data System) and NSLDS responds with loan detail data in a near real-time bi-directional exchange interface. The FSA Enterprise Service Bus (ESB) is utilized to conduct the flow of the transaction across the network. The purpose of this document is to describe the exchange which occurs between COD and NSLDS using XML (Extensible Markup Language).

System Identification

The following details the identifying information for each system involved in this interface:

System Identification Information	
Type	**Location**
Requesting (COD)	
Production System Location	Columbus, GA
Contracting Organization	Accenture Federal
Developer Location	Washington, DC
Responding (NSLDS) System Additional Information	
Production System Location	Plano, TX
Contracting Organization	BRIEFCASE Systems Development, Inc. (BSD)
Developer Location	Arlington, VA
ESB System Additional Information	
Production System Location	Plano, TX
Contracting Organization	PPS and DELL Systems
Developer Location	Washington, DC

Component Identification

The following details the hardware and software components of each system involved in this interface:

System Hardware/Software Components			
Type	**Vendor**	**Product Name**	**Version**
Requesting (COD)			
Production Platform	AWS	EC2	M4
Operating System	Red Hat	Red Hat Enterprise Linux Server	7.6
Transmission Protocol	N/A	SOAP	1.2
Transmission Software	Spring	Webservices	2.4
Responding (NSLDS)			
Production Platform	IBM	Mainframe Server	Model 2096-S03
Operating System	IBM	zOS	1.13
DBMS	IBM	DB2	10.1
Transmission Protocol	IBM	WebSphere MQ	7.1.0
Transmission Software	Metastorm	Data Integrator	4.4.1
ESB (via request and response queue)			
Production Platform	HP	HP-UX	11i
Operating System	Red Hat	Red Hat Linux	2.6.18
Transmission Software	Metastorm	Data Integrator	4.4.1
Transmission Protocol with NSLDS	IBM	WebSphere MQ	7.5.0.2
Transmission Protocol with COD	N/A	SOAP	1.2

System Responsibilities

The following describes the specific responsibilities of each system involved in this interface:

System Responsibilities
COD Request Responsibilities
COD request must contain the following data elements in this order: Borrower SSN, Borrower DOB, Borrower first name, and Borrower last name.
COD request will be transmitted within a SOAP request constructed according to ESB specifications.
ESB Data Routing Responsibilities
ESB provides an intermediate link between COD and NSLDS by providing the following Soap webservice endpoint for COD: NsldsBorrowerService#DirectLoanLookup
NSLDS Response Responsibilities
NSLDS receives the request file from COD.
NSLDS extracts data and sends to COD in an XML file. The data elements in the XML file are specified in the File Specification section.
NSLDS applies the following 8-character string to the beginning of each message: 'IA0000PS'
ESB Data Routing Responsibilities
ESB encapsulates the response from NSLDS within a SOAP envelope and returns to COD.
COD Response Responsibilities
COD receives output data from NSLDS.

Interface Control Specification

The following describes the specific responsibilities of each system involved in this interface

Interface Name:	COD-NSLDS CICS Call
NSLDS Program Name:	IA00 Direct Loan XML
Interface Type:	Bi-directional
Interface Short Description	IA00 Direct Loan XML is a CICS transaction that provides borrower loan detail data to COD through the Communication Area (COMMAREA) of the transaction. This transaction is executed when the CICS Distributed Processing Layer (DPL) bridge task retrieves a message to run the transaction from the CICS bridge queue and issues an EXEC CICS LINK command.
Source Application:	NSLDS is the source of the borrower and loan detail data
Destination Application:	COD is the recipient of the borrower and loan detail data
Interface Usage Frequency:	The interface is used on-demand each time the CICS DPL bridge task retrieves a message to run the transaction from the CICS bridge queue and issues an EXEC CICS LINK command.
Interface Usage Volume:	Current usage yields approx. 100,000 calls per day. Estimated to yield approx. 150,000 calls per day.

1.1. Interface Overview

Figure 0-1: High Level Flow Diagram

1.2. Interface Flow Diagram Description

1. COD initiates the CICS call by sending a request to NSLDS via the ESB.

2. The NSLDS IA00 Direct Loan XML program is called by a CICS DPL bridge task as the first step in a series of steps to provide data to a system requesting details on a borrower's loans.
3. The CICS DPL bridge task populates the CICS COMMAREA of the NSLDS IA00 Direct Loan XML program with input data used to identify a borrower.
4. The NSLDS IA00 Direct Loan processes the request.
5. When processing has completed, the IA00 Direct Loan XML program populates the CICS COMMAREA with the results of the request and issues a CICS RETURN to return the data to the requesting system.
6. NSLDS initiates reply to COD by sending the response via the ESB.

NSLDS

| **IA00** | **COMMAREA** | **ESB** | **COD** |

Borrower Lookup Request   Borrower Request   ⟵   Borrower Request

Borrower Found

Loan data retrieved   Borrower Response   ⟶   Borrower Response
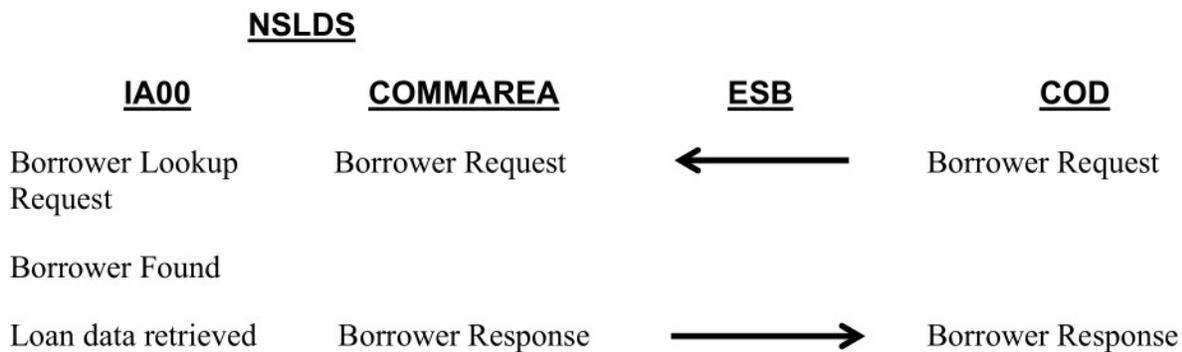
Figure 0-2: Flow Description Diagram

1.3. NSLDS IA00 Direct Loan XML

This interface enables NSLDS to respond to requests for borrower loan detailed information in near real-time. IA00 Direct Loan XML is a CICS transaction that provides borrower loan detail data to COD through the Communication Area (COMMAREA) of the transaction. This transaction is executed when the CICS Distributed Processing Layer (DPL) bridge task retrieves a message to run the transaction from the CICS bridge queue and issues an EXEC CICS LINK command.

The CICS transaction uses borrower identifier information [Social Security number (SSN), date of birth (DOB), borrower's first and last name] provided by the CICS DPL bridge task to uniquely identify one specific borrower. On successful identification, the transaction will retrieve the borrower's loan level details. The data are then placed in the COMMAREA for use by the CICS DPL bridge task.

IA00 accesses DB2 tables that are specific to a borrower's loans. This isolates database activity to minimize the impact on overall system performance. IA00 Direct Loan XML executes on a mainframe only on-request and is initiated by a system placing a message in the message queue used for initiating this routine. Only BATUSER is able to access this routine.

The data is sent and received according to XML 1.0 format using UTF-8-character encoding. Per the format,

"The ampersand character (&) and the left angle bracket (<) MUST NOT appear in their literal form, except when used as markup delimiters, or within a comment, a processing instruction, or a CDATA section.

Example:

[14] CharData ::= [^<&]* - ([^<&]* ']]>' [^<&]*)"

See www.w3.org for more information.

Business Rules and Logic

Type	Description
Validation	SSN is not spaces Date of Birth is a valid date Last name is not spaces
Exception Processing	This procedure handles the following exception conditions: • Invalid SSN • Invalid DOB • Invalid Last Name • System Error • Borrower Not Found • Multiple Borrowers Found • No Loans Found • More Data Exist Than Can Be Reported • No Direct Loans • No Outstanding Balances

Logic	If length of COMMAREA is 0 then
	       Identifying data not provided
	 Else
	       Get Inputs
	       Build Header Details
	       If Input SSN is invalid

Type	Description
	Set Return Status to System Error
	Else if DOB is invalid
	Set Return Status to System Error
	If no errors
	Read student based upon inputs
	When found
	If multiple students found, then
	Return Multiple Students Found
	When not found
	Set Student Not Found
	Read plus borrower based upon inputs
	When found
	If multiple plus borrowers found, then
	Return Multiple Students Found
	If student found and plus borrower found and they do not match, then
	Return Multiples Found
	If no student nor plus borrower found, then
	Return Student Not Found
	Else
	Read student branch for enrollment information
	If student was found, then
	Read student loans
	When found
	Flag loans found
	If DL loans, then
	Set DL flag
	If COMMAREA is full then
	Return More Data Exists Than Can Be Returned
	If OPB > 0 or OIB > 0 then
	Determine loan values to write out
	Get loan reporting organization
	Build XML statements

Type	Description

Returned
 	
loan(s)
	If plus borrower was found, then
	    Read plus borrower loans
	    When found
	        Flag loans found
	        If DL loans, then
	            Set DL flag
	        If COMMAREA is full then
	           Return More Data Exists Than Can Be
	        If OPB > 0 or OIB > 0 then
	            Determine loan values to write out
	            Get loan reporting organization
	            Get Student Information on PLUS
	            Build XML statements
	    If no loans were found, then
	        Return No Loans Found
	    Else
	        If no DL loans, then
	            Return No DL loans
	        Else
	            Return No Outstanding Balance
	  Return to calling program

1.4.　File Specification

Inputs:

The following record layout describes the required input details for the IA00 Direct Loan XML program:

Borrower Identifier Data

Entity Type	Attribute	Description	Type	Size
Student/ Plus_Borrower	Current SSN	Current SSN for a Title IV aid recipient	Num.	9

Entity Type	Attribute	Description	Type	Size
Student/ Plus_Borrower	Date of Birth	Date on which a Title IV aid recipient was born. Format: MM/DD/CCYY	Date	10
Student/ Plus_Borrower	Current Last	First 2 characters of current last name of a Title IV aid recipient	Char.	2

Outputs:

The following record layout describes the output detail for the IA00 Direct Loan XML program:

Data Element	Description	Field Format	Size
Borrower SSN	This is the Borrower's SSN that is entered by the user to retrieve student/borrower information.	Num.	9
Borrower DOB	This is the Borrower's date of birth that is entered by the user to retrieve student/borrower information. Format: MM/DD/CCYY	Date	10
Last Name	The Borrower's last name that is entered by the user to retrieve student information.	Char.	2
Reason Status	Constant. Valid values are: O – No Problems, S – System Error, N – Student Not Found, M – Multiple Students Found, NA – No Loans Found or None Matching Criteria, NB – No Outstanding Balance, D – Only Direct Loans Found, OM – More Data Exists Than Can Be Returned.	Char.	2
Borrower First Name	First Name of Borrower being reported.	Char.	12
Borrower Middle Initial	Middle Initial of Borrower being reported.	Char.	1
Borrower Last Name	Last Name of Borrower being reported.	Char.	35
OPEID	Concatenation of the School Code and the School Branch Code for the last institution at which the student received aid.	Char.	8
School Name	The name of the last institution at which the student received aid.	Char.	65

Data Element	Description	Field Format	Size
Anticipated Completion Date	Date on which the borrower is anticipated to graduate or complete coursework. Format: MM/DD/CCYY	Date	10
Enrollment Effective Date	Date as of which an Enrollment status is effective. Format: MM/DD/CCYY	Date	10
Enrollment Status	Code identifying the Enrollment status of a student: 'A' (Approved Leave of Absence) 'D' (Deceased) 'F' (Full Time) 'G' (Graduated) 'H' (Half Time) 'L' (Less than Half Time) 'Q' (Three-Quarter Time) 'W' (Withdrawn) 'X' (Never Attended) 'Z' (No Record Found)	Char.	1
Certification Date	The date of certification. Format: MM/DD/CCYY	Date	10
Loan Sequence Number	Designer-added attribute that will keep the Student NUMBER unique in cases where the value for NUMBER is the same for two different students. (It is possible for two different students to have the same SSN.)	Num.	4
Loan Date	This attribute is part of the identifier and has multiple sources depending on the type of loan (FFEL vs. campus-based) and the status of the loan. If the loan is a FFEL loan, then Date of Guaranty is populated into this field. This value will remain throughout the life of the loan. If the loan is campus-based, then the date of first disbursement is populated into this field. Format: MM/DD/CCYY	Date	10
Loan Type	An indicator for a specific loan program (for example, 'CL', Consolidated, 'FS', Federally Insured Student Loan).	Char.	2
OPEID	Concatenation of the School Code and the School Branch Code where the loan was initiated.	Char.	8
School Name	The name of the institution where the loan was initiated.	Char.	65
Status Type	An indicator for a specific loan program (for example, 'DA', Deferred, 'IG', In Grace Period).	Char.	2

Data Element	Description	Field Format	Size
Total Amount Disbursed	Denormalized, designer-added attribute indicating the TOTAL disbursement amount for a loan.	Num.	6
OPB	The whole dollar value of the declining balance due (principal only) on a Loan.	Num.	6
OPB Date	Date in which the value in Outstanding Balance field was updated or verified. Format: MM/DD/CCYY	Date	10
OIB	The whole dollar value of the declining accrued interest balance on a Loan.	Num.	6
OIB Date	The date in which the current outstanding Accrued Interest Balance Status became effective. Format: MM/DD/CCYY	Date	10
Interest Rate	For an FFEL Program Loan, this is the interest rate at the time the guaranty is made. For Perkins Loans, this is the interest rate when the loan is disbursed. Will contain decimal point.	Decimal (2.3)	6
Interest Rate Type	A code indicating whether the interest rate on a Perkins Loan or an FFEL Program Loan is variable (V) or fixed (F) for the life of a loan (may also be '8' for 8/10).	Char.	1
Source of Information	The GA Code for the GA reporting the information.	Char.	3
External Code	The value used by the external entity to identify the loan.	Char.	21
Direct Loan External Code	The value used by the Direct Loan Servicer to identify the loan.	Char.	21
Contact First Name	The first name of the contact person (where contact person is the servicer for all loans except Perkins, where contact person is the school).	Char.	12
Contact Last Name	The last name of the contact person.	Char.	35
Contact Organization Name	The name of the organization of the contact person.	Char.	65
Contact Address Line 1	Line one of the street address of the contact person.	Char.	50
Contact Address Line 2	Line two of the street address of the contact person.	Char.	50
Contact City	The city of the contact address.	Char.	20
Contact State	A 2-digit alphabetic code identifying the state of the contact address.	Char.	2
Contact ZIP Code	The postal ZIP code of the contact address.	Char.	9

Data Element	Description	Field Format	Size
Contact Phone	The phone number of the contact person.	Char.	12
Contact Phone Extension	The phone extension for the contact person.	Char.	5
Contact Organization Code	The Code of the organization of the contact person.	Char.	8
Contact Type	The category of contact person's organization.	Char.	6
NSLDS Label	An ID created by NSLDS for loans	Char.	17
Date of First Disbursement	The date a direct loan's first disbursement is issued. Format: MM/DD/CCYY	Date	10
Loan Status Date	Date the current loan status went into effect. Format: MM/DD/CCYY	Date	10
Loss of Subsidy Status	The subsidy status provided by NSLDS to the Federal Loan Servicer in the Subsidy Notification file.	Char.	1
Loss of Subsidy Status Effective Date	The effective date of the subsidy status provided by NSLDS to the Federal Loan Servicer in the Subsidy Notification file. Format: MM/DD/CCYY	Date	10
Student SSN	SSN of Student being reported on the PLUS loan. This data element will only be populated in the case of a PLUS loan. All other instances will be blank.	Num.	9
Student First Name	First Name of Student being reported on the PLUS loan. This data element will only be populated in the case of a PLUS loan. All other instances will be blank.	Char.	12
Student Last Name	Last Name of Student being reported on the PLUS loan. This data element will only be populated in the case of a PLUS loan. All other instances will be blank.	Char.	35
Academic Level	A code indicating the academic level of the applicant at the time of the prescreening.	Char.	1
Joint Consolidation Indicator	Indicates the consolidation loan being reported is a joint consolidation.	Char.	1
Underlying Parent PLUS Loan Indicator	Indicates the consolidation loan being reported includes one or more underlying Parent PLUS loans.	Char.	1
Repayment Plan Type	The repayment plan the borrower is using to repay their student loan.	Char.	2
Disclosure Date	The date that the loan entered a repayment plan type. Format: MM/DD/CCYY	Date	10

Data Element	Description	Field Format	Size
Repayment Suspension End Date	The date the period of the deferment, waiver or forbearance ended, or is scheduled to end. Format: MM/DD/CCYY	Date	10
IDR Anniversary Date	The reevaluation date is based on when the borrower initially entered the plan. Format: MM/DD/CCYY	Date	10
Family Size	Specifies the family size number provided by the applicant on the Income Driven Repayment application.	Char	2

1.5. XML Mapping

NSLDS Data Element	XML current tag	XML new tag
Borrower SSN	SSN	SSN
Borrower DOB	DOB	DOB
Last Name	LASTNAME	LASTNAME
Reason Status	STATUSFLAG	STATUSFLAG
	NSLIDS	NSLIDS
Borrower First Name	FIRSTNAME	FN
Borrower Middle Initial	MIDDLEINIT	MI
Borrower Last Name	LASTNAME	LN
	/NSLIDS	/NSLIDS
	LASTSCHOOL	LSTSCH
OPEID	CODE	CODE
School Name	NAME	NM
Anticipated Completion Date	ACD	ACD
	ENROLSTATUS	ENROLSTATUS
Enrollment Effective Date	EFFDATE	ENRLD
Enrollment Status	CODE	ENRL
Certification Date	CERTDATE	CERTD
	/ENROLSTATUS	/ENROLSTATUS
	/LASTSCHOOL	/LSTSCH
	LOAN	LO
Loan Sequence Number	LOANID	ID
Loan Date	DATE	DT

NSLDS Data Element	XML current tag	XML new tag
	TYPE	TYPE
Loan Type	CODE	LT
Loan Type Name	NAME	--
	/TYPE	/TYPE
	SCHOOL	SCH
OPEID	CODE	CODE
School Name	NAME	NM
	/SCHOOL	/SCH
	STATUS	STATUS
Status Type	CODE	LS
Status Type Name	NAME	--
	/STATUS	/STATUS
	INTERESTRATE	INTERESTRATE
Interest Rate	VALUE	IRT
Interest Rate Type	TYPE	IRTT
	/INTERESTRATE	/INTERESTRATE
	CURRENTDPI	CURRENTDPI
Source of Information	SOURCE	SRC
External Code	CODE	DPID
	CONTACT	ORGCON
Contact First Name	FIRSTNAME	FN
Contact Last Name	LASTNAME	LN
Contact Organization Name	ORGNAME	NM
Contact Address Line 1	ADDRESSLINE1	AL1

NSLDS Data Element	XML current tag	XML new tag
Contact Address Line 2	ADDRESSLINE2	AL2
Contact City	CITY	CITY
Contact State	STATE	ST
Contact ZIP Code	ZIP	ZIP
Contact Phone	PHONE	PH
Contact Phone Extension	PHONEEXT	PHEXT
Contact Organization Code	ORGCODE	OC
	/CONTACT	/ORGCON
Contact Type	CONTACTCD	CONTACTCD
Direct Loan External Code	DLDPICODE	AWID
Total Amount Disbursed	AMTDISBURSED	DIS
OPB	PRINCIPAL	PB
OPB Date	PBOASOFDT	PBD
OIB	INTEREST	IB
OIB Date	INTASOFDT	IBD
NSLDS Label	NL	NL
Date of First Disbursement	DFD	DFD
Loan Status Date	DLS	DLS
Loss of Subsidy Status	LSS	LSS
Loss of Subsidy Status Effective Date	LSSD	LSSD
Student SSN	SSSN	SSSN
Student First Name	SFN	SFN
Student Last Name	SLN	SLN
Academic Level	--	AL

NSLDS Data Element	XML current tag	XML new tag
Joint Consolidation Indicator	--	JCI
Underlying Parent PLUS Loan Indicator	--	UPI
Repayment Plan Type	--	PP
Disclosure Date	--	PPD
Repayment Suspension End Date	--	RSED
IDR Anniversary Date	--	AND
Family Size	--	FSZ
	/LOAN	/LO

Interface Assumptions and Dependencies

Interface Assumptions
Operational Assumptions
The maximum message length is 32k bytes due to limitations of COMMAREA.
WebSphere MQ Queue Manager is installed/configured for the NSLDS environment.
Job failures including errors generated by the ESB Bus adapters will be captured by Operations.
The ESB architecture is configured to support the transfer of data from COD to NSLDS.
Functional Assumptions
NSLDS contains information required to send borrower loan detail information.
COD will process the loan detail information XML file. The rules for processing the file are beyond the scope of this document.
COD will not create or send a response file.

Interface Dependencies
NSLDS is dependent on the network and Data Center managed by the VDC, and COD is dependent on the network managed by TSYS.

Appendix A – Codes and IDs

Loan Status Codes	
Code	**Status**
AL	Abandoned Loan
BC	Bankruptcy, Discharged
BK	Bankruptcy, Active
CA	Cancelled
CS	Closed School Discharge
DA	Deferred
DB	Defaulted, Then Bankrupt, Active, Chapter 13
DC	Defaulted, Compromise
DD	Defaulted, Then Died
DE	Death
DF	Defaulted, Unresolved
DI	Disability
DK	Defaulted, Then Bankrupt, Discharged, Chapter 13
DL	Defaulted, In Litigation
DN	Defaulted, Then Paid in Full by Consolidation
DO	Defaulted, Then Bankrupt, Active, Other
DP	Defaulted, Paid in Full
DR	Defaulted Loan Included in a Rolled-up Loan
DS	Defaulted, Then Disabled
DT	Defaulted, Collection Terminated

Loan Status Codes	
Code	**Status**
DU	Defaulted, Unresolved
DW	Defaulted, Write-off
DX	Defaulted, Six Consecutive Payments
DZ	Defaulted, Six Consecutive Payments, Then Missed Payment(s)
FB	Forbearance
FC	False Certification Discharge
FR	Fraud
FX	Fraud Satisfied
IA	Loan Originated
ID	In School or Grace Period
IG	In Grace Period
IM	In Military Grace
IP	In Post-Deferment Grace Period
IT	Loan Transferred by DCS
OD	Defaulted, Then Bankrupt, Discharged, Other
PC	Paid in Full Through Consolidation Loan
PD	Permanent Disability
PF	Paid in Full
PM	Presumed Paid in Full
PN	Non-Defaulted, Paid in Full Through Consolidation Loan
PZ	PLUS Child Death
RF	Refinanced

Loan Status Codes	
Code	**Status**
RH	Loan Transferred by DCS to Sallie Mae
RP	In Repayment
TG	Loan Transferred by DCS to GA927
UA	Temporarily Uninsured – Loan Not in Default
UB	Temporarily Uninsured – Loan in Default
UC	Permanently Uninsured/ Unreinsured-Loan Not in Default
UD	Permanently Uninsured/ Unreinsured-Loan in Default
UI	Uninsured/ Unreinsured
UN	Unknown Loan Status
VA	Disable Veteran Discharged
XD	Defaulted, Six Consecutive Payments

Loan Type Codes		
Loan Program	**Loan Type Code**	**Loan Type**
Loan Types Used by FDLP		
Direct	D0	Direct Stafford Subsidized (SULA Eligible)
Direct	D1	Direct Stafford Subsidized
Direct	D2	Direct Stafford Unsubsidized
Direct	D3	Direct Graduate PLUS
Direct	D4	Direct PLUS Parent
Direct	D5	Direct Consolidation Unsubsidized
Direct	D6	Direct Consolidation Subsidized
Direct	D7	Direct PLUS Consolidation
Direct	D8	TEACH Loan converted from a TEACH Grant
Direct	D9	Direct Consolidation Subsidized (SULA Eligible)
Loan Types Used by GAs		
FFELP	CL	FFEL Consolidation
FFELP	GB	FFEL Graduate PLUS
FFELP	PL	FFEL PLUS Parent
FFELP	RF	FFEL Refinanced
FFELP	SF	FFEL Stafford Subsidized
FFELP	SL	FFEL Supplemental Loan (SLS)
FFELP	SU	FFEL Stafford Unsubsidized

Loan Type Codes		
Loan Program	**Loan Type Code**	**Loan Type**
FFELP	SN	FFEL Stafford Non-Subsidized [This is not a valid code in NSLDS. It is used only in output to represent a non-subsidized Stafford loan. SN indicates a FFEL Stafford Loan (SF) where the period begin date (or the loan date if the period begin date is the zero date) is prior to October 1, 1992, and the subsidy indicator is N.]
Loan Types Used by Other Data Providers		
FISL	FI	Federally Insured (FISL)
Campus Based	PU	Federal Perkins
Campus Based	IC	Income-Contingent (ICL)
Campus Based	DU	National Defense Loan (Perkins)
Campus Based	NU	National Direct Student Loan (Perkins)
Campus Based	EU	Perkins Expanded Lending

Academic Year Codes	
Code	**Definition**
A	FIRST YEAR GRADUATE/PROFESSIONAL
B	Second YEAR GRADUATE/PROFESSIONAL
C	Third YEAR GRADUATE/PROFESSIONAL
D	Beyond Third YEAR GRADUATE/PROFESSIONAL
G	GRADUATE/PROFESSIONAL, Year of Study Unknown
N	Not Available
1	Freshman/First Year
2	Sophomore/Second Year

Academic Year Codes	
Code	**Definition**
3	Junior/Third Year
4	Senior/Fourth Year
5	Fifth Year/Other Undergraduate

Loss of Subsidy Status	
Code	**Status**
L	Lost Subsidy
R	Reinstated Subsidy
Blank	Not Applicable

Repayment Plan Types	
Code	**Type**
C1	Income-Contingent Repayment Plan – Formula Amount (Pre-HERA/CCRAA)
C2	Income-Contingent Repayment Plan – Capped Amount (Pre-HERA/CCRAA)
C3	Income-Contingent Repayment Plan (Post-HERA/CCRAA)
CG	Consolidation Graduated Repayment
CS	Consolidation Standard Repayment
EF	Extended Fixed Repayment
EG	Extended Graduated Repayment
FE	Fixed Payment, Extended Term
FF	Fixed Payment, Fixed Term

Repayment Plan Types	
Code	**Type**
GR	Graduated Repayment
I3	Income-Based Repayment Plan – 2014 With Partial Financial Hardship
I4	Income-Based Repayment Plan – 2014 Without Partial Financial Hardship
I5	Revised Pay as You Earn (REPAYE)
IB	Income-Based Repayment – With Partial Financial Hardship
IC	Income-Contingent
IL	Income-Based Repayment Plan – Without Partial Financial Hardship
IS	Income Sensitive Repayment Plan (FFEL Only)
J1	Alternative Fixed Payment Repayment Plan
J2	Alternative Fixed Term Repayment Plan
J3	Alternative Graduated Payment Repayment Plan
J4	Alternative Negative Amortization Repayment Plan
J5	Alternative Fixed Post REPAYE
P1	Pay As You Earn – Without Partial Financial Hardship
PA	Pay As You Earn – With Partial Financial Hardship
SF	Standard Repayment
SG	Graduated 10-Year Repayment
SK	Perkins Standard Repayment Plan
SP	Special Plan/Secretary's Option

Appendix B - Request XML Schema

The following schema is used for SOAP request validation between COD and ESB.

```xml
<schema xmlns="http://www.w3.org/2001/XMLSchema" xmlns:nslds="http://fsa.ed.gov/nslds"
        elementFormDefault="qualified" targetNamespace="http://fsa.ed.gov/nslds">

        <element name="BORROWERREQUEST" type="nslds:BorrowerRequestType"/>
        <complexType name="BorrowerRequestType">
                <sequence>
                        <element minOccurs="1" maxOccurs="1" name="SSN">
                                <simpleType>
                                        <restriction base="string">
                                                <minLength value="9" />
                                                <maxLength value="9" />
                                                <pattern value="[0-9]{9}" />
                                        </restriction>
                                </simpleType>
                        </element>
                        <element minOccurs="1" maxOccurs="1" name="DATEOFBIRTH" type="date"/>
                        <element minOccurs="1" maxOccurs="1" nillable="true"
                                name="FIRSTTWOCHARSOFLASTNAME">
                                <simpleType>
                                        <restriction base="string">
                                                <minLength value="1" />
                                                <maxLength value="2" />
                                                <pattern value="[A-Z]+"></pattern>
                                        </restriction>
                                </simpleType>
                        </element>
                </sequence>
        </complexType>
</schema>
```

During the pass through to NSLDS, ESB renames the following tags via XSLT transformations.

- `FIRSTTWOCHARSOFLASTNAME -> LASTNAME`

Doing so conforms the request to NSLDS's schema:

```xml
<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
        <xs:element name="BORROWERREQUEST">
                <xs:complexType>
                        <xs:sequence>
                                <xs:element type="xs:string" name="SSN"/>
                                <xs:element type="xs:string" name="DATEOFBIRTH"/>
                                <xs:element type="xs:string" name="LASTNAME"/>
                        </xs:sequence>
                </xs:complexType>
        </xs:element>
</xs:schema>
```

Appendix C - Request XML Sample

The following XML is an example SOAP request body used between COD and ESB.

```
<BORROWERREQUEST>
<SSN>123456789</SSN>
<DATEOFBIRTH>09/02/1982</DATEOFBIRTH>
<FIRSTTWOCHARSOFLASTNAME>DO</FIRSTTWOCHARSOFLASTNAME>
</BORROWERREQUEST>
```

Request body used between ESB and NSLDS, after XLST transformation.

```
<BORROWERREQUEST>
<SSN>123456789</SSN>
<DATEOFBIRTH>09/02/1982</DATEOFBIRTH>
<LASTNAME>DO</LASTNAME>
</BORROWERREQUEST>
```

Appendix D – Response XML Schema

Note: responses are not validated by ESB. A distinguishing tag in the response is LSTSCH.

```
<schema xmlns="http://www.w3.org/2001/XMLSchema" xmlns:nslds="http://fsa.ed.gov/nslds"
        elementFormDefault="qualified" targetNamespace="http://fsa.ed.gov/nslds">

        <element name="XML">
                <complexType>
                        <sequence>
                                <element name="NSLDS" minOccurs="0" type="nslds:NSLDSType" />
                        </sequence>
                </complexType>
        </element>
        <complexType name="NSLDSType">
                <sequence>
                        <element name="SSN" minOccurs="0" type="int" />
                        <element name="DOB" minOccurs="0" type="string" /><!-- Actually a date but it's
                        <element name="LASTNAME" minOccurs="0" >
                                <simpleType>
                                        <restriction base="string">
                                                <maxLength value="2" />
                                        </restriction>
                                </simpleType>
                        </element>
                        <element name="STATUSFLAG" minOccurs="0" type="nslds:ReasonStatusCode" />
                        <element name="NSLIDS" minOccurs="0" type="nslds:NSLIDSType" />
                        <element name="LSTSCH" minOccurs="0" type="nslds:LastSchoolType" />
                        <element name="LO" minOccurs="0" maxOccurs="unbounded" type="nslds:LoanType" />
                </sequence>
        </complexType>
        <complexType name="NSLIDSType">
                <sequence>
                        <element name="FN" minOccurs="0" >
                                <simpleType>
                                        <restriction base="string">
                                                <maxLength value="12" />
                                        </restriction>
                                </simpleType>
                        </element>
                        <element name="MI" minOccurs="0" >
                                <simpleType>
                                        <restriction base="string">
                                                <maxLength value="1" />
                                        </restriction>
                                </simpleType>
                        </element>
                        <element name="LN" minOccurs="0" >
                                <simpleType>
                                        <restriction base="string">
                                                <maxLength value="35" />
                                        </restriction>
                                </simpleType>
                        </element>
                </sequence>
        </complexType>
        <complexType name="LastSchoolType">
                <sequence>
                        <element name="CODE" minOccurs="0" >
                                <simpleType>
```

```
                                <restriction base="string">
                                        <maxLength value="8" />
                                </restriction>
                        </simpleType>
                </element>
                <element name="NM" minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                        <maxLength value="65" />
                                </restriction>
                        </simpleType>
                </element>
                <element name="ACD"  minOccurs="0" type="string" /><!-- Actually a date but it's
                <element name="ENROLSTATUS"  minOccurs="0" type="nslds:EnrolStatusType" />
                <element name="CERTD" minOccurs="0"  type="string" /><!-- Actually a date but it
        </sequence>
</complexType>
<complexType name="EnrolStatusType">
        <sequence>
                <element name="ENRLD" minOccurs="0"  type="string" /><!-- Actually a date but it
                <element name="ENRL" minOccurs="0"  type="nslds:EnrolmentStatusCode" />
        </sequence>
</complexType>
<complexType name="LoanType">
        <sequence>
                <element name="ID"  minOccurs="0" type="long" />
                <element name="DT" minOccurs="0"  type="string" /><!-- Actually a date but it's
                <element name="TYPE" minOccurs="0"  type="nslds:LoanTypeType" />
                <element name="SCH" minOccurs="0"  type="nslds:SchoolType" />
                <element name="STATUS" minOccurs="0"  type="nslds:StatusType" />
                <element name="DIS" minOccurs="0"  type="string" /><!-- Actually a decimal but i
                <element name="PB" minOccurs="0"  type="string" /><!-- Actually a decimal but it
                <element name="PBD" minOccurs="0"  type="string" /><!-- Actually a date but it's
                <element name="IB" minOccurs="0"  type="string" /><!-- Actually a decimal but it
                <element name="IBD" minOccurs="0"  type="string" /><!-- Actually a date but it's
                <element name="INTERESTRATE" minOccurs="0"  type="nslds:InterestRateType" />
                <element name="CURRENTDPI" minOccurs="0"  type="nslds:CurrentDpiType" />
                <element name="AWID" minOccurs="0" >
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                                        <maxLength value="21" />
                                </restriction>
                        </simpleType>
                </element>
                <element name="ORGCON" minOccurs="0"  type="nslds:ContactType" />
                <element name="CONTACTCD" minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                </restriction>
                        </simpleType>
                </element>
                <element name="NL" minOccurs="0" maxOccurs="1" type="string" /> <!-- NSLDS Label
                <!-- Date of first disbursement -->
                <element name="DFD" minOccurs="0" maxOccurs="1" type="string" /> <!-- Actually a
format -->
                <!-- Date of loan status -->
                <element name="DLS" minOccurs="0" type="string" /> <!-- Actually a date but it's

        <!-- New Fields received from NSLDS for 14.2-->
                <element name="AL" minOccurs="0" type="string"/>
                <element name="JCI" minOccurs="0" type="string" />
                <element name="UPI" minOccurs="0" type="string" />
                <element name="PP" minOccurs="0" type="string"/>
```

```
                    <element name="PPD" minOccurs="0" type="string" />
                    <element name="RSED" minOccurs="0" type="string" />
                    <element name="AND" minOccurs="0" type="string"/>
                    <element name="FSZ" minOccurs="0" type="string" />

        </sequence>
</complexType>
<complexType name="LoanTypeType">
        <sequence>
                <element name="LT" minOccurs="0" >
                        <simpleType>
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                                </restriction>
                        </simpleType>
                </element>
        </sequence>
</complexType>
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        <sequence>
                <element name="CODE" minOccurs="0" ><!-- OPEID -->
                        <simpleType>
                                <restriction base="string">
                                </restriction>
                        </simpleType>
                </element>
                <element name="NM" minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                </restriction>
                        </simpleType>
                </element>
        </sequence>
</complexType>
<complexType name="StatusType">
        <sequence>
                <element name="LS"  minOccurs="0" type="string" />
        <!--    <element name="NAME"  minOccurs="0" type="string" /> -->
        </sequence>
</complexType>
<complexType name="InterestRateType">
        <sequence>
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                <element name="IRTT"  minOccurs="0" type="string" />
        </sequence>
</complexType>
<complexType name="CurrentDpiType">
        <sequence>
                <element minOccurs="0" maxOccurs="1" name="SOURCE" type="string" />
                <element name="VALUE"  minOccurs="0" type="string" />
        </sequence>
</complexType>
<complexType name="ContactType">
        <sequence>
                <element name="FIRSTNAME" minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                </restriction>
                        </simpleType>
                </element>
                <element name="LASTNAME" minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                </restriction>
```

```
                        </simpleType>
                </element>
                <element name="ORGNAME" minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                        <maxLength value="65" />
                                </restriction>
                        </simpleType>
                </element>
                <element name="ADDRESSLINE1" minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                        <maxLength value="50" />
                                </restriction>
                        </simpleType>
                </element>
                <element name="ADDRESSLINE2" minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                        <maxLength value="50" />
                                </restriction>
                        </simpleType>

                </element>
                <element name="CITY" minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                </restriction>
                        </simpleType>
                </element>
                <element name="STATE" minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                </restriction>
                        </simpleType>
                </element>
                <element name="ZIP" minOccurs="0" >
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                                <restriction base="string">
                                </restriction>
                        </simpleType>
                </element>
                <element name="PHONE" minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                </restriction>
                        </simpleType>
                </element>
                <element name="PHONEEXT" minOccurs="0" >
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                                </restriction>
                        </simpleType>
                </element>
                <element name="ORGCODE" minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                </restriction>
                        </simpleType>
                </element>
        </sequence>
    </complexType>
    <simpleType name="ReasonStatusCode">
```

```
            <restriction base="string">
                    <enumeration value="O" />
                    <enumeration value="S" />
                    <enumeration value="N" />
                    <enumeration value="M" />
                    <enumeration value="NA" />
                    <enumeration value="NB" />
                    <enumeration value="D" />
                    <enumeration value="OM" />
            </restriction>
    </simpleType>
    <simpleType name="EnrolmentStatusCode">
            <restriction base="string">
                    <enumeration value="A" />
                    <enumeration value="D" />
                    <enumeration value="F" />
                    <enumeration value="G" />
                    <enumeration value="H" />
                    <enumeration value="L" />
                    <enumeration value="W" />
                    <enumeration value="X" />
                    <enumeration value="Z" />
            </restriction>
    </simpleType>
</schema>
```

Appendix E - Response XML Sample

```
<XML><NSLDS>
<SSN>123456789</SSN>
<DOB>09/02/1982</DOB>
<LASTNAME>DO</LASTNAME>
<STATUSFLAG>O</STATUSFLAG>
<NSLIDS><FN>MAGGIE</FN><MI>W</MI><LN>DOGGIE</LN></NSLIDS>
<LSTSCH>
<CODE>00100201</CODE><NM>ALABAMA AGRICULTURAL &amp; MECHANICAL UNIVERSITY      </NM>
<ACD>05/03/2012</ACD>
<ENROLSTATUS>
<ENRL>G</ENRL>
<ENRLD>05/03/2012</ENRLD>
<CERTD>06/01/2012</CERTD>
</ENROLSTATUS>
</LSTSCH>
<LO><ID    1</ID><DT>01/01/2007</DT>
<TYPE><LT>D4</LT></TYPE>
<SCH><CODE>00100201</CODE><NM>ALABAMA AGRICULTURAL &amp; MECHANICAL UNIVERSITY
</NM></SCH>
<STATUS><LS>RP</LS></STATUS>
<INTERESTRATE><IRT>07.912</IRT><IRTT>F</IRTT></INTERESTRATE>
<DIS>2343.00</DIS>
<PB>2343.00</PB>
<PBD>02/21/2014</PBD>
<IB>150.00</IB>
<IBD>02/21/2014</IBD>
<AWID>12345678900100201D4</AWID>
<ORGCON><FN>THERESA</FN><LN>SMITH</LN><NM>DEPT OF ED/SAMPLE</NM><AL1>123 MAIN
ST</AL1><AL2>SUITE
100</AL2><CITY>RESTON</CITY><ST>VA</ST><ZIP>222031234</ZIP><PH>7031231234</PH><PHEXT>1
234</PHEXT><OC>500   </OC></ORGCON>
<CONTACTCD>G</CONTACTCD>
<DFD>01/01/2001</DFD>
<DLS>01/01/2014</DLS>
<NL>12345678900010001</NL> <SSSN>987654321</SSSN><SFN>GEORGE</SFN><SLN>DOGGIE</SLN>
</LO>
<LO><ID    2</ID><DT>01/02/2007</DT>
<TYPE><LT>D5</LT></TYPE>
<SCH><CODE>00100201</CODE><NM>ALABAMA AGRICULTURAL &amp; MECHANICAL UNIVERSITY
</NM></SCH>
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<DIS>2343.00</DIS>
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<PBD>02/21/2014</PBD>
<IB>150.00</IB>
<IBD>02/21/2014</IBD>
<AWID>12345678900100201D5</AWID>
<ORGCON><FN>THERESA</FN><LN>SMITH</LN><NM>DEPT OF ED/SAMPLE</NM><AL1>123 MAIN
ST</AL1><AL2>SUITE
100</AL2><CITY>RESTON</CITY><ST>VA</ST><ZIP>222031234</ZIP><PH>7031231234</PH><PHEXT>1
234</PHEXT><OC>500   </OC></ORGCON>
<CONTACTCD>G</CONTACTCD>
<DFD>01/02/2001</DFD>
<DLS>01/02/2014</DLS>
<NL>12345678900010002</NL>
<AL>3</AL>
<JCI>Y</JCI>
```

```
<UPI>Y</UPI>
<PP>IB</PP>
<PPD>01/02/2012</PPD>
<RSED>01/02/2011</RSED>
<AND>01/02/2016</AND>
<FSZ>4</FSZ>
</LO>
<LO><ID>   3</ID><DT>01/03/2007</DT>
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<SCH><CODE>00100201</CODE><NM>ALABAMA AGRICULTURAL &amp; MECHANICAL UNIVERSITY
</NM></SCH>
<STATUS><LS>RP</LS></STATUS>
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<DIS>2343.00</DIS>
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<PBD>02/21/2014</PBD>
<IB>150.00</IB>
<IBD>02/21/2014</IBD>
<AWID>12345678900100201D0</AWID>
<ORGCON><FN>THERESA</FN><LN>SMITH</LN><NM>DEPT OF ED/SAMPLE</NM><AL1>123 MAIN
ST</AL1><AL2>SUITE
100</AL2><CITY>RESTON</CITY><ST>VA</ST><ZIP>222031234</ZIP><PH>7031231234</PH><PHEXT>1
234</PHEXT><OC>500   </OC></ORGCON>
<CONTACTCD>G</CONTACTCD>
<DFD>01/03/2001</DFD>
<DLS>01/03/2014</DLS>
<NL>12345678900010003</NL>
<LSS>L</LSS><LSSD>01/01/2015</LSSD>
</LO>
<LO><ID>   4</ID><DT>01/04/2007</DT>
<TYPE><LT>SF</LT></TYPE>
<SCH><CODE>00100201</CODE><NM>ALABAMA AGRICULTURAL &amp; MECHANICAL UNIVERSITY
</NM></SCH>
<STATUS><LS>RP</LS></STATUS>
<INTERESTRATE><IRT>07.912</IRT><IRTT>F</IRTT></INTERESTRATE>
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<IB>150.00</IB>
<IBD>02/21/2014</IBD>
<CURRENTDPI><SRC>800</SRC><DPID>12345678900100201D0</DPID>
</CURRENTDPI>
<ORGCON><FN>THERESA</FN><LN>SMITH</LN><NM>DEPT OF ED/SAMPLE</NM><AL1>123 MAIN
ST</AL1><AL2>SUITE
100</AL2><CITY>RESTON</CITY><ST>VA</ST><ZIP>222031234</ZIP><PH>7031231234</PH><PHEXT>1
234</PHEXT><OC>500   </OC></ORGCON>
<CONTACTCD>G</CONTACTCD>
<DFD>01/04/2001</DFD>
<DLS>01/04/2014</DLS>
<NL>12345678900010004</NL>
</LO>
</NSLDS></XML>
```

CICS DPL

COMMAREA

NSLDS

COD

ESB
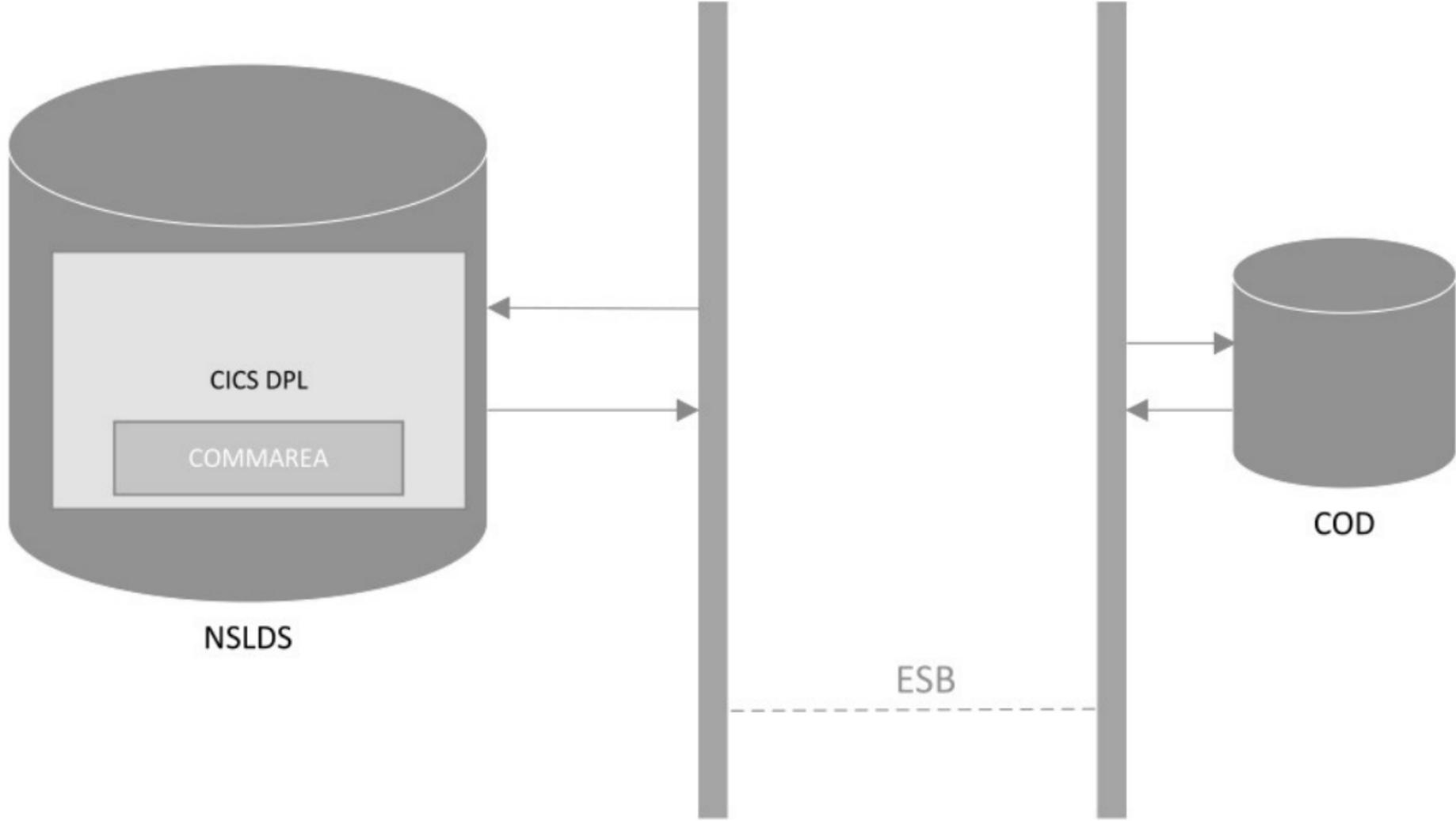
NSLDS TEACH GRANT SERVICE

Interface Control Document

Version 7.0 ● 8/7/2019

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	01/23/2018	Sook Yee Wong Daniel Paylor Oscar Garza	First FSA/NSLDS/Accenture Meeting.
2.0	02/01/2018	Sook Yee Wong Daniel Paylor Oscar Garza	Updates based on FSA/NSLDS/Accenture Meeting on 01/23/2018.
3.0	02/07/2018	Sook Yee Wong Daniel Paylor Oscar Garza	Updates based on FSA and NSLDS Comments.
4.0	2/26/2018	Sook Yee Wong Daniel Paylor Oscar Garza Scott Hyndman	Queue Names Updated Second FSA Comment Log NSLDS Comments Incorporated
5.0	3/01/2018	Sook Yee Wong Daniel Paylor	Added the COD Input XML Mapping to Section 6.2.
6.0	04/05/2018	Sook Yee Wong Daniel Paylor	Updated location of the <STATUSFLAG> tag in the XML Mapping
7.0	08/07/2019	Richard Ellis	Updated specifications for COD to ESB interface from to SOAP over HTTPS

Table of Contents

Section 1. Interface Control Specification

Interface Name *	NSLDS TEACH Grant Service
NSLDS Program Name *	TEACH Grant Service
Interface Type *	Bi-directional
Interface Short Description *	WebSphere MQ interface between ESB and NSLDS SOAP over HTTPS interface between COD and ESB.
Destination Application:	NSLDS is the source of the TEACH Grant data which will be provided for each user requested.
Destination Interface:	ESB SOAP Endpoint: NsldsBorrowerService#TeachGrantLookup
Source Application:	NSLDS is the source of the student and TEACH Grant detail data.
Source Interface:	Queue Manager Name: • Production: NPP1 • Test: NPA1 Queue Names: • Production: NPP1.CICSNSLP.DPL.BRIDGE • Test: NPA1.CICSNSLA.DPL.BRIDGE
Interface Usage Frequency:	The interface is used on-demand each time COD makes a request for a student TEACH Grant data.
Interface Usage Volume:	Average usage yields approx. 500 calls per day. Peak usage yields approx. 750 calls per day.

Required field

Section 2. Interface Overview

2.1. Flow Diagram

2.2. Flow Diagram Description

1. COD initiates a call to NSLDS by sending a request to the ESB HTTPS SOAP endpoint NsldsBorrowerService#TeachGrantLookup. ESB extracts the Xml request and forwards to NSLDS.
2. NSLDS replies to COD by sending the response via the ESB SOAP endpoint. ESB encapsulates the xml response withing a SOAP envelope and returns the response to COD.

2.3. System Identification

The following details the identifying information for each system involved in this interface:

System Identification Information	
Type	**Location**
Requesting (COD)	
Production System Location	Columbus, GA
Contracting Organization	Accenture Federal
Developer Location	Washington, DC
Responding (NSLDS) System Additional Information	
Production System Location	Plano, TX
Contracting Organization	BRIEFCASE Systems Development, Inc. (BSD)
Developer Location	Arlington, VA
ESB System Additional Information	
Production System Location	Plano, TX
Contracting Organization	PPS and DELL Systems
Developer Location	Washington, DC

2.4. Component Identification

The following details the hardware and software components of each system involved in this interface:

System Hardware/Software Components			
Type	**Vendor**	**Product Name**	**Version**
Requesting (COD)			
Production Platform	AWS	EC2	M4
Operating System	Red Hat	Red Hat Enterprise Linux Server	7.6
Transmission Protocol	N/A	SOAP over HTTPS	1.2
Responding (NSLDS)			

Production Platform	IBM	Mainframe Server	Model 2096-S03
Operating System	IBM	zOS	2.1
DBMS	IBM	DB2	11.1
Transmission Protocol	IBM	WebSphere MQ	7.1.0
ESB (via request and response queue)			
Production Platform	HP	HP-UX	11i
Operating System	Red Hat	Red Hat Linux	2.6.18
Transmission Protocol	IBM	WebSphere MQ	7.5.0.2
Transmission Protocol (to COD)	N/A	SOAP	1.2

Section 3. Interfacing System Responsibilities

3.1. System Responsibilities

The following describes the specific responsibilities of each system involved in this interface:

System Responsibilities
COD Request Responsibilities
COD request file must contain the following data elements in this order: Borrower SSN, Borrower DOB, and first two characters of Borrower last name.
COD request will be transmitted within a SOAP request constructed according to ESB specifications.
ESB Data Routing Responsibilities
ESB provides an intermediate link between COD and NSLDS by providing the following SOAP endpoint: NsldsBorrowerService#TeachGrantLookup
NSLDS Response Responsibilities
NSLDS receives the request file from COD.
NSLDS extracts data and sends to COD in an XML file. The data elements in the XML file are specified in the File Specification section.
NSLDS applies the following 8 character string to the beginning of each message: 'IA0300PS'
ESB Data Routing Responsibilities
ESB provides an intermediate link between COD and NSLDS by providing the following response queue: Reply Queue Name: PRD001.TEACH.NSLDS.REPLY ESB forwards the response to the requesting COD SOAP webservice.
COD Response Responsibilities
COD receives output data from NSLDS.

Section 4. Business Rules and Logic

The following section outlines the business rules and validation logic.

Type	Description
Validation	SSN is not spaces
	Date of Birth is a valid date
	Last name is not spaces
Exception Processing	This procedure handles the following exception conditions:
	• Invalid SSN
	• Invalid DOB
	• Invalid Last Name
	• System Error
	• Student Not Found
	• Multiple Students Found
	• No TEACH Grants
	• More Data Exist Than Can Be Reported

Section 5. File Specification

5.1. Input and Output

Inputs:

The following record layout describes the required input details for the IA03 TEACH Grant XML program:

Student Identifier Data

Data Element	Description	Field Format	Min.	Max.	Required
Student SSN	Current SSN for a Title IV aid recipient	String	9	9	Y
Student Date of Birth	Date on which a Title IV aid recipient was born. Format: MM/DD/CCYY	Date	10	10	Y
Student Last Name	First 2 characters of current last name of a Title IV aid recipient *Note: If the last name is greater than or equal to 2 characters, the first 2 letters will be sent.* *If the last name is 1 character, the 1 character will be sent.* *If there is no last name, "NL" will be sent (NSLDS will send back, "NL" as the request when "NL" is sent).*	String	1	2	Y

Outputs:

The following record layout describes the output detail for the IA03 TEACH Grant XML program:

Data Element	Description	Field Format	Min.	Max.	Required
Student SSN	SSN sent by COD to NSLDS is returned in this data element	String	9	9	Y
Student Date of Birth	Date of Birth sent by COD to NSLDS is returned in this data element	Date	10	10	Y
Student Last Name	First 2 characters of current last name or 'NL' sent by COD to NSLDS is returned in this data element	String	2	2	Y

Data Element	Description	Field Format	Min.	Max.	Required
Student First Name	First Name of Student being reported. If no First Name, NF will be sent	Char.	1	30	Y
Student Middle Initial	Middle Initial of Student being reported.	Char.	1	1	N
Student Last Name	Last Name of Student being reported. If no Last Name, NL will be sent	Char.	1	35	Y
School Name	The name of the last institution at which the student received aid.	Char.	1	65	N
Grant Reporting Institution Campus (OPEID)	OPE ID of the School associated to the TEACH Grant.	Num.	8	8	Y
Award ID	Award ID of the TEACH Grant.	Num. Char.	21	21	N
Award Type	Award Type of the TEACH Grant.	Char.	2	2	N
Award Year	The Award Year of the TEACH Grant.	Num.	4	4	N
Accepted Award Amount	Award Amount of the TEACH Grant.	Num.	1	7	N
Award Amount Paid To Date	Actual Disbursed Amount of the TEACH Grant.	Num.	1	7	N
First Disbursement Date	Earliest disbursement date with an actual disbursed amount > $0, which NSLDS collects from the AI record with grant submissions. Format: MM/DD/CCYY	Num.	10	10	Y
Grant Date of Last Update	The date of the latest update to the TEACH Grant. Format: MM/DD/CCYY	Date	10	10	N

Data Element	Description	Field Format	Min.	Max.	Required
Year in School (Grade Level)	Academic Level of the TEACH Grant: 0 or 1 = Freshman 2 = Sophomore 3. = Junior 4 = Senior 5 = Baccalaureate 6 & 7 = Graduate/Professional	Num.	1	1	Y
Grant Status	The Current Status of the TEACH Grant. AS = Agreement to Serve LN = Converted to D8 loan LC = Life Circumstances DE = Death Discharge DI = Grant Transferred to TPD CA = Cancelled SF = Satisfied in Full	Char.	2	2	Y
Grant Status Date	The Current Status date on which the Grant Status was given. Format: MM/DD/CCYY	Date	10	10	N
Grant Life Circumstance Type	The Current Grant Life Circumstance type. Types of Grant Life Circumstances for the associated TEACH Grant. EP = Enrolled in Elig. Program FM = Family Medical Leave Act MO = Military Operations UK = Unknown This tag is only sent when Grant Status = LC	Char.	2	2	N
Grant Life Circumstance Begin Date	The date on which the Current Life Circumstance begins. Format: MM/DD/CCYY This tag is only sent when Grant Status = LC	Date	10	10	N

Data Element	Description	Field Format	Min.	Max.	Required
Grant Life Circumstance End Date	The date on which the Current Life Circumstance ends. Format: MM/DD/CCYY This tag is only sent when Grant Status = LC	Date	10	10	N
Teacher Years Completed	Number of completed years of service as a Qualified Teacher	Num.	1	2	N
Contact Organization Code	The Code of the organization of the contact person.	Char.	1	8	N
Reason Status	Constant. Valid values are: O – No Problems, S – System Error, N – Student Not Found, M – Multiple Students Found, NA – No Grants Found, OM – More Data Exists Than Can Be Returned.	Char.	1	2	Y

6.2   XML Mapping

Input:

COD Data Element	XML Tag Value
	<BORROWERREQUEST>
Student SSN	<SSN>
Student DOB	<DATEOFBIRTH>
Student Last Name	<LASTNAME>
	</BORROWERREQUEST>

Output:

NSLDS Data Element	XML Tag Value
	<XML>
	<NSLDS>
Student SSN	<SSN>
Student DOB	<DOB>
Student Last Name	<LASTNAME>
	<NSLIDS>
Student First Name	<FN>
Student Middle Initial	<MI>
Student Last Name	<LN>
	</NSLIDS>
Note: There shall be one <Award> block for each TEACH Grant.	<AWARD>
	<SCHL>
School Name	<NAME>
Grant Reporting Institution Campus (OPEID)	<OPEID>
	</SCHL>
	<GRANT>
Award ID	<AWID>
Award Type	<AWTP>
Award Year	<AY>
Award Amount	<AA>
Award Amount Paid To Date	<TAP>
Frist Disbursement Date	<FDD>
Grant Date of Last Update	<AWLU>
Year in School	<AWAL>
	</GRANT>
	<STATUS>
Grant Status	<GS>
Grant Status Date	<GSD>
Grant Life Circumstance Type	<LCT>
Grant Life Circumstance Begin Date	<LCBD>
Grant Life Circumstance End Date	<LCED>
Teacher Years Completed	<TYC>
	</STATUS>
	<ORGCON>
Contact Organization Code	<OC>
	</ORGCON>
	</AWARD>
Reason Status	<STATUSFLAG>
	</NSLDS>
	</XML>

Section 6. Interface Assumptions and Dependencies

6.1. Assumptions

#	Assumption
	Operational Assumptions
	N/A
	Functional Assumptions
1	NSLDS contains information required to send TEACH student detail information.
2	COD will process the TEACH grant detail information XML file. The rules for processing the file are beyond the scope of this document.
3	COD will not create or send a response file.
4	NSLDS will not send multiple <Award> blocks for the same student with the same Award ID value.
5	If NSLDS does not have data for an optional XML tag, NSLDS shall not send COD that XML tag.
6	The General Design Document for this CR, 3208/111052, will indicate which TEACH Grant data values will be displayed on StudentLoans.gov TEACH Exit Counseling completion process. It will also indicate how each value will displays on StudentLoans.gov, including in cases where the XML tag for any data value is not received by COD in the NSLDS output file.
7	If any *required* XML tag in the interface is absent from the Input or Output, or if the value inside any XML tag falls outside the Minimum or Maximum character limits for that tag, the interface will fail. The StudentLoans.gov user will experience an error page.
8	NSLDS shall only send COD the Grant Life Circumstance Type, Grant Life Circumstance Begin Date, and Grant Life Circumstance End Date Tags in the XML Response when the Grant Status is Life Circumstance (LC).
9	NSLDS shall send COD the most recent Grant Life Circumstance Type on file at NSLDS.

6.2. Dependencies

#	Dependencies
1	NSLDS is dependent on the network and Data Center managed by the VDC, and COD is dependent on the network managed by TSYS.

Appendix A - Acronyms and Abbreviations

ACRONYM	DEFINITION
N/A	N/A
N/A	N/A
N/A	N/A

Table A-1: Acronyms and Abbreviations

Appendix B - Glossary

T\ERM	D\EFINITION
N/A	N/A

Table B-1: Glossary

Appendix C - Request XML Schema

The following schema is used for SOAP request validation between COD and ESB.

```
<schema xmlns="http://www.w3.org/2001/XMLSchema" xmlns:nslds="http://fsa.ed.gov/nslds/teach"
        elementFormDefault="qualified" targetNamespace="http://fsa.ed.gov/nslds/teach">

        <element name="BORROWERREQUEST" type="nslds:StudentTeachRequestType"/>
        <complexType name="StudentTeachRequestType">
                <sequence>
                        <element minOccurs="1" maxOccurs="1" name="SSN">
                                <simpleType>
                                        <restriction base="string">
                                                <minLength value="9" />
                                                <maxLength value="9" />
                                                <pattern value="[0-9]{9}" />
                                        </restriction>
                                </simpleType>
                        </element>
                        <element minOccurs="1" maxOccurs="1" name="DATEOFBIRTH" type="date"/>
                        <element minOccurs="1" maxOccurs="1" nillable="true"
                                name="FIRSTTWOCHARSOFLASTNAME">
                                <simpleType>
                                        <restriction base="string">
                                                <minLength value="1" />
                                                <maxLength value="2" />
                                                <pattern value="[A-Z]+"></pattern>
                                        </restriction>
                                </simpleType>
                        </element>
                </sequence>
        </complexType>
</schema>
```

During the pass through to NSLDS, ESB renames the following tags via XSLT transformations.

- FIRSTTWOCHARSOFLASTNAME -> LASTNAME

Doing so conforms the request to NSLDS's schema:

```
<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
        <xs:element name="BORROWERREQUEST">
                <xs:complexType>
                        <xs:sequence>
                                <xs:element type="xs:string" name="SSN"/>
                                <xs:element type="xs:string" name="DATEOFBIRTH"/>
                                <xs:element type="xs:string" name="LASTNAME"/>
                        </xs:sequence>
                </xs:complexType>
        </xs:element>
</xs:schema>
```

Appendix D - Request XML Sample

The following XML is an example SOAP request body used between COD and ESB.

```
<BORROWERREQUEST>
<SSN>123456789</SSN>
<DATEOFBIRTH>09/02/1982</DATEOFBIRTH>
<FIRSTTWOCHARSOFLASTNAME>DO</FIRSTTWOCHARSOFLASTNAME>
</BORROWERREQUEST>
```

Request body used between ESB and NSLDS, after XLST transformation.

```
<BORROWERREQUEST>
<SSN>123456789</SSN>
<DATEOFBIRTH>09/02/1982</DATEOFBIRTH>
<LASTNAME>DO</LASTNAME>
</BORROWERREQUEST>
```

Appendix E - Response XML Schema

Note: responses are not validated by ESB. A distinguished tag in the response is OPEID.

```
<schema xmlns="http://www.w3.org/2001/XMLSchema" xmlns:nslds="http://fsa.ed.gov/nslds/teach"
        elementFormDefault="qualified" targetNamespace="http://fsa.ed.gov/nslds/teach">

    <element name="XML">
            <complexType>
                    <sequence>
                            <element name="NSLDS" minOccurs="0" type="nslds:NSLDSTeachType" />
                    </sequence>
            </complexType>
    </element>
    <complexType name="NSLDSTeachType">
            <sequence>
                    <element name="SSN" minOccurs="1" >
                            <simpleType>
                                    <restriction base="string">
                                            <minLength value="9" />
                                            <maxLength value="9" />
                                    </restriction>
                            </simpleType>
                    </element>
                    <element name="DOB" minOccurs="1" type="string"/><!-- Actually a date but it's i
                    <element name="LASTNAME" minOccurs="1" >
                            <simpleType>
                                    <restriction base="string">
                                            <minLength value="1" />
                                            <maxLength value="2" />
                                    </restriction>
                            </simpleType>
                    </element>
                    <element name="NSLIDS" minOccurs="1" type="nslds:NSLIDSTeachType" />
                    <!-- <element name="LSTSCH" minOccurs="0" type="nslds:LastSchoolType" />-->
                    <element name="AWARD" minOccurs="0" maxOccurs="unbounded" type="nslds:TeachAward
                    <element name="STATUSFLAG" minOccurs="1" type="nslds:TeachReasonStatusCode" ></e
            </sequence>
    </complexType>
    <complexType name="NSLIDSTeachType">
            <sequence>
                    <element name="FN" minOccurs="1" >
                            <simpleType>
                                    <restriction base="string">
                                            <minLength value="1" />
                                            <maxLength value="30" />
                                    </restriction>
                            </simpleType>
                    </element>
                    <element name="MI" minOccurs="0" >
                            <simpleType>
                                    <restriction base="string">
                                            <minLength value="1" />
                                            <maxLength value="1" />
                                    </restriction>
                            </simpleType>
                    </element>
                    <element name="LN" minOccurs="1" >
                            <simpleType>
                                    <restriction base="string">
                                            <minLength value="1" />
                                            <maxLength value="35" />
```

```
                                </restriction>
                        </simpleType>
                </element>
        </sequence>
</complexType>
<complexType name="SchoolType">
        <sequence>
                <element name="NAME" minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                        <minLength value="1" />
                                        <maxLength value="65" />
                                </restriction>
                        </simpleType>
                </element>
                <element name="OPEID" minOccurs="1" >
                        <simpleType>
                                <restriction base="string">
                                        <minLength value="8" />
                                        <maxLength value="8" />
                                </restriction>
                        </simpleType>
                </element>
        </sequence>
</complexType>

<complexType name="GrantType">
        <sequence>
                <element name="AWID"  minOccurs="0" >
                        <simpleType>
                                <restriction base="string">
                                        <minLength value="21" />
                                        <maxLength value="21" />
                                </restriction>
                        </simpleType>
                </element>
                <!--   Grant current award type -->
                <element name="AWTP" minOccurs="0"  >
                        <simpleType>
                                <restriction base="string">
                                        <minLength value="2" />
                                        <maxLength value="2" />
                                </restriction>
                        </simpleType>
                </element>
                <!--  Award year -->
                <element name="AY" minOccurs="1" >
                        <simpleType>
                                <restriction base="integer">
                                        <totalDigits value="4"/>
                                </restriction>
                        </simpleType>
                </element>
                <!--  Award amount -->
                <element name="AA" minOccurs="1"  >
                        <simpleType>
                                <restriction base="decimal">
                                        <minInclusive value="0"/>
                                        <maxInclusive value="9999999.99"/>
                                        <totalDigits value="7"/>
                                        <fractionDigits value="3"/>
                                </restriction>
                        </simpleType>
```

```
                        </element>

                        <!--   Total Accepted Award amount -->
                        <element name="TAP" minOccurs="1" >
                                <simpleType>
                                        <restriction base="decimal">
                                                <minInclusive value="0"/>
                                                <maxInclusive value="9999999.99"/>
                                                <totalDigits value="7"/>
                                                <fractionDigits value="3"/>
                                        </restriction>
                                </simpleType>
                        </element>
                        <!--  Grant Award Create Date CUSTOM DATE FORMAT MM/DD/YYYY  thus string -->
                        <element name="FDD" minOccurs="1"  type="string" />
                        <!--  Grant Date of Last Update CUSTOM DATE FORMAT MM/DD/YYYY  thus string -->
                        <element name="AWLU" minOccurs="0" type="string" />
                        <!--  Grade level code -->
                        <element name="AWAL" minOccurs="1"  >
                                <simpleType>
                                        <restriction base="integer">
                                                <minInclusive value="0"/>
                                                <maxInclusive value="7"/>
                                        </restriction>
                                </simpleType>
                        </element>
                </sequence>
        </complexType>

        <complexType name="StatusType">
                <sequence>
                        <!-- Grant status -->
                        <element name="GS"  minOccurs="1" type="nslds:TeachGrantStatusCode" />
                        <!-- Grant status date -->
                        <!-- Actually a date but it's in MM/DD/YYYY format -->
                        <element name="GSD" minOccurs="0"  type="string" />
                        <!-- Grant life circumstance type -->
                        <element name="LCT"  minOccurs="0" type="nslds:GrantLifeCircumstanceType" />
                        <!-- Grant life circumstance begin date -->
                        <!-- Actually a date but it's in MM/DD/YYYY format -->
                        <element name="LCBD" minOccurs="0"  type="string" />
                        <!-- Actually a date but it's in MM/DD/YYYY format -->
                        <!-- Grant life circumstance end date -->
                        <element name="LCED"  minOccurs="0" type="string" />
                        <!-- Grant teacher years completed -->
                        <element name="TYC" minOccurs="0"  >
                                <simpleType>
                                        <restriction base="integer">
                                                <minInclusive value="0"/>
                                                <maxInclusive value="99"/>
                                        </restriction>
                                </simpleType>
                        </element>
                </sequence>
        </complexType>

        <complexType name="OrganizationContactType">
                <sequence>
                        <!-- Organization Contact code -->
                        <element name="OC"  minOccurs="0" type="string" />
                </sequence>
        </complexType>
```
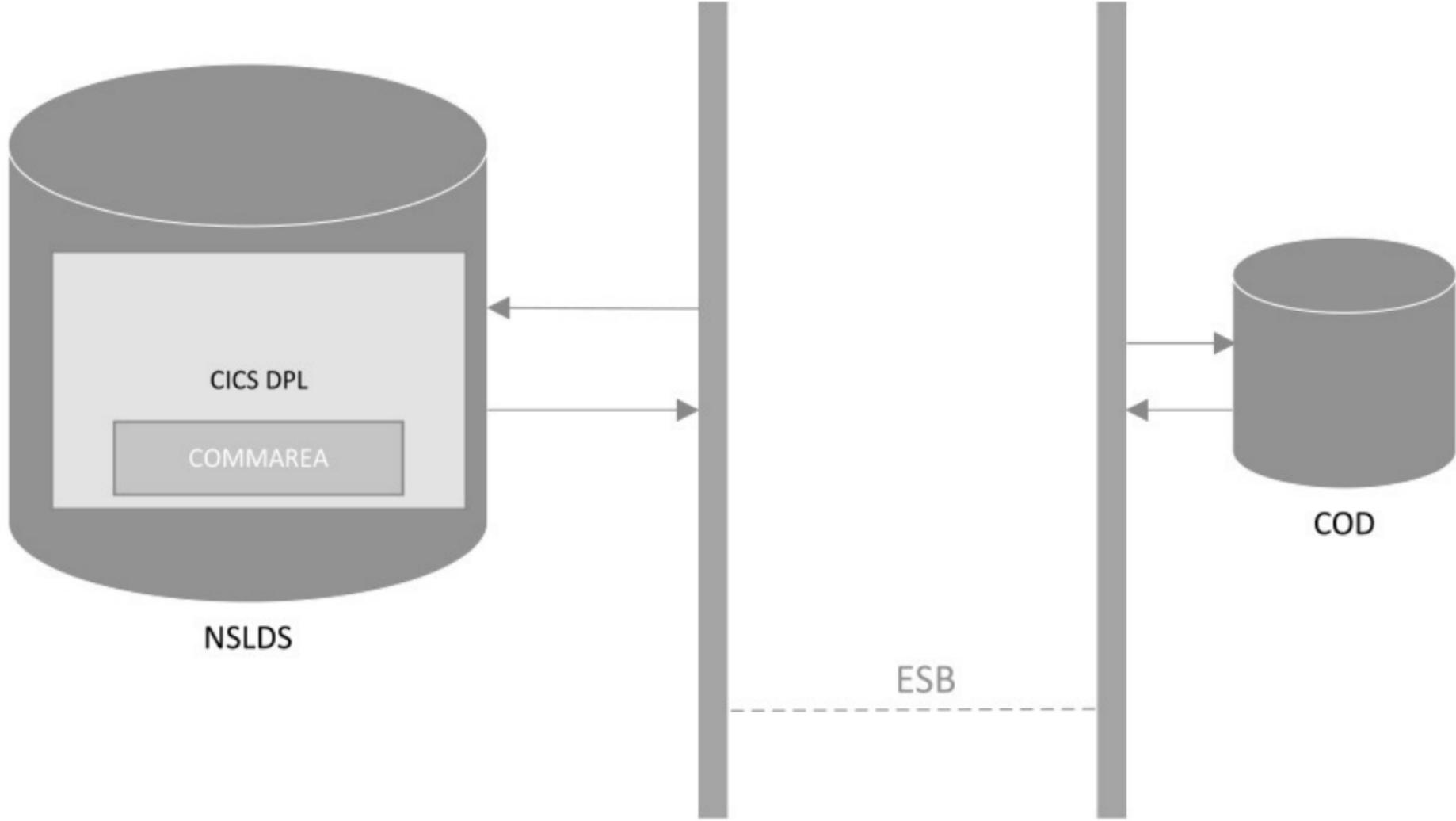
```
<complexType name="TeachAwardType">
        <sequence>
                <element name="SCHL"  minOccurs="1" type="nslds:SchoolType" />
                <!--    Record type -->
                <element name="GRANT" minOccurs="1"  type="nslds:GrantType" />
                <element name="STATUS" minOccurs="0"  type="nslds:StatusType" />
                <element name="ORGCON" minOccurs="0"  type="nslds:OrganizationContactType" />
        </sequence>
</complexType>
<simpleType name="TeachGrantStatusCode">
        <restriction base="string">
                <enumeration value="AS" />
                <enumeration value="LN" />
                <enumeration value="LC" />
                <enumeration value="DE" />
                <enumeration value="DI" />
                <enumeration value="CA" />
                <enumeration value="SF" />
        </restriction>
</simpleType>
<simpleType name="GrantLifeCircumstanceType">
        <restriction base="string">
                <enumeration value="EP" />
                <enumeration value="FM" />
                <enumeration value="MO" />
                <enumeration value="UK" />
        </restriction>
</simpleType>
<simpleType name="TeachReasonStatusCode">
        <restriction base="string">
                <enumeration value="O" />
                <enumeration value="S" />
                <enumeration value="N" />
                <enumeration value="M" />
                <enumeration value="NA" />
                <enumeration value="OM" />
        </restriction>
</simpleType>
</schema>
```

NSLDS-COD Exit Counseling Interface Reject Processing

Interface Control Document

Version 7.0 ● 11/1/2019

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	7/18/2013	Accenture	Initial Draft
2.0	7/18/2013	Accenture	Second Draft
3.0	9/12/2013	Accenture	Third Draft
4.0	9/23/2013	Accenture	Updated version/date, added error code 804, and updated field code to '000' for header errors as per latest ICD comments from FSA/NSLDS
5.0	11/29/2017	Accenture	Updated for DI to MFT conversion
6.0	9/17/2019	Accenture	Updated to reflect transfer via SAIG
7.0	11/1/2019	Accenture	Updated to include file layouts

Table of Contents

Section 1. Interface Control Specification

Interface Name *	NSLDS – COD Exit Counseling Reject Processing
Interface Type *	Unidirectional
Interface Short Description *	This document defines the processes utilized by COD and NSLDS to transport Exit Counseling reject files from NSLDS to COD via SAIG. NSLDS produces the Exit Counseling file to provide COD with a daily record of rejected exit counseling data. This file will be transmitted to COD Monday to Friday. This file will report all exit counseling rejected records since the previous transmission.
Requesting (Source) Application *	NSLDS
Responding (Receiving or Destination) Application *	COD
Technical Requirement References *	Source TG Mailbox (Production): TG50012 Source TG Mailbox (Test): TGM8699 Message Class (Production): NSLEXTIN Message Class (Test): NSTEXTIN Destination TG Mailbox (Production): TG71900 Destination TG Mailbox (Test): TGS2700
Interface Usage Frequence *	COD will process the files daily, M-F, except for holidays
Interface Usage Volume *	Average Number of Files: 1 file per processing day

Required field

Section 2. Interface Overview

2.1. Flow Diagram

2.2. Flow Diagram Description

1. The NSLDS system will initiate a process to extract the data and create the file for the Exit Counseling Reject file.
2. NSLDS will send the file to COD's SAIG mailbox.
3. COD will retrieve the file from their SAIG mailbox.
4. The COD load data job will process the Exit Counseling Reject file and load all information into the COD database

2.3. Usage Scenarios

NSLDS will send the Exit Counseling Reject File to COD every business day.

Section 3. System Information

3.1. Requesting (or Source) System Information

#	Type	
1	Production System Location	Plano, TX
2	Contracting Organization	BRIEFCASE Systems Development, Inc. (BSD)
3	Developer Location	Arlington, VA

3.2. Responding (Receiving or Destination) System Information

#	Type	
1	Production System Location	Amazon Web Services GovCloud West
2	Contracting Organization	Accenture
3	Developer Location	Washington, DC

Section 4. Interfacing System Responsibilities

4.1. Requesting (or Source) System Responsibilities

NSLDS

#	Description
1	NSLDS will save rejected Exit Counseling records to a flat file.
2	The rejected Exit Counseling records will be formatted as specified in the File Specification section.
3	The "SAIG Header Record" will be the first record in the file. The "Header Record" will be the second record in the file. The "Trailer Record" will be the second to last record in the file. The "SAIG Trailer Record" will be the last record in the file.

4.2. Responding (Receiving or Destination) System Responsibilities

COD

#	Description
1	COD will receive the Exit Counseling Reject File
2	COD will sweep up the staged Borrower Outstanding Balance file and parser the data.
3	COD will write the data from the Borrower Outstanding Balance file to the COD Oracle database

Section 5. Business Rules and Logic

Type	Description
Alphanumeric	All characters will be left justified and padded with spaces. Unless otherwise noted in the file specification section, blank/null optional fields will be padded with spaces.
Numeric/timestamp/date	All characters will be left padded with '0'. If it is blank/null, the length for the location of the field will be padded with '0'.
All fields	If the length of the source exceeds the maximum length of the data element, the source will be truncated.
Input Record	The input record will contain the entire exit counseling outgoing (from COD to NSLDS) record. The input record can be a record type 001 or 002. Unless otherwise noted in the file specification section, blank/null optional fields will be padded with spaces.
Field Code	The code for the field in error. If blank/null, pad with spaces
Error Code	The code indicating the error associated with the field code. If blank/null, pad with spaces.
Filler	The fillers shall always be blank or populated with zeros.

Section 6. File Specification

SAIG Header Record:

Description	Description	Field Format	Length	Start Position	End Position
SAIG Batch Header Identification	Constant "O*N05"	Alphanumeric	5	1	5
Destination SAIG Mailbox	Destination SAIG Mailbox	Alphanumeric	7	6	12
Constant spaces	Unused	Alphanumeric	7	13	19
Header Class Label	Constant: ",CLS="	Alphanumeric	5	20	24
Destination Message Class	Varies based on file type	Alphanumeric	8	25	32
Header XXX Label	Constant: ",XXX"	Alphanumeric	4	33	36
Text used to identify the next field in a Batch ID	Constant: ",BAT="	Alphanumeric	5	37	41
Batch ID	File Batch ID	Alphanumeric		42	
Constant spaces	Unused (Record must exceed 70 characters)	Alphanumeric	70+	42	92

Header Record:

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'000' – Represents Header	Alphanumeric	3	1	3
Header Sort Key	Hex low value or spaces	Alphanumeric	9	4	12
Header Title	Value 'EXIT COUNSELING ERROR HEADER'	Alphanumeric	28	13	40
Submittal Date/Time	Timestamp for when the file was submitted. Format: CCYYMMDDHHMMSSMMMMMM No punctuation.	Timestamp	20	41	60
Filler	Attribute to complete record length	Alphanumeric	1339	61	1400

Error Record:

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Input Record	Positions 1-1350 of the input record.	Alphanumeric	1350	1	1350	Required
Submittal Timestamp	Timestamp from the header record of the submittal file	Timestamp	20	1351	1370	Required
Filler	Filler	Alphanumeric	1	1371	1371	Optional; can be blank
Field Code 1	Code for the field in error. If a file level error occurred, value is 000 for header or 999 for trailer.	Alphanumeric	3	1372	1374	Optional; can be blank
Error Code 1	Code indicating the error associated with the field code	Alphanumeric	3	1375	1377	Optional; can be blank
Filler	Filler	Alphanumeric	1	1378	1378	Optional; can be blank
Field Code 2	Code for the field in error. If a file level error occurred, value is 000 for header or 999 for trailer.	Alphanumeric	3	1379	1381	Optional; can be blank
Error Code 2	Code indicating the error associated with the field code	Alphanumeric	3	1862	1384	Optional; can be blank
Filler	Filler	Alphanumeric	1	1385	1385	Optional; can be blank
Field Code 3	Code for the field in error. If a file level error occurred, value is 000 for header or 999 for trailer.	Alphanumeric	3	1386	1388	Optional; can be blank
Error Code 3	Code indicating the error associated with the field code	Alphanumeric	3	1389	1391	Optional; can be blank
Filler	Filler	Alphanumeric	9	1392	1400	Optional; can be blank

Trailer Record:

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'999' – Represents Trailer Record	Alphanumeric	3	1	3
Trailer Sort Key	Hex high value or '999999999'	Alphanumeric	9	4	12
Trailer Title	Value 'EXIT COUNSELING ERROR TRAILER'	Alphanumeric	29	13	41
Total Record Count	Total count of rejected records.	Numeric	9	42	50
Filler	Attribute to complete record length	Alphanumeric	1349	51	1400

SAIG Trailer Record:

Description	Description	Field Format	Length	Start Position	End Position
SAIG Batch Trailer Identification	Constant "O*N95"	Alphanumeric	5	1	5
Destination SAIG Mailbox	Destination SAIG Mailbox	Alphanumeric	7	6	12
Constant spaces	Unused	Alphanumeric	7	13	19
Trailer Class Label	Constant: ",CLS="	Alphanumeric	5	20	24
Destination Message Class	Varies based on file type	Alphanumeric	8	25	32
Trailer XXX Label	Constant: ",XXX"	Alphanumeric	4	33	36
Text used to identify the next field in a Batch ID	Constant: ",BAT="	Alphanumeric	5	37	41
Batch ID	File Batch ID	Alphanumeric		42	
Constant spaces	Unused (Record must exceed 70 characters)	Alphanumeric	70+	42	92

Section 7. Interface Assumptions and Dependencies

7.1. Assumptions

#	Assumption
	Operational Assumptions
1	COD will treat all spaces as nullable fields.
	Functional Assumptions
1	NSLDS will create and send rejected Exit Counseling files to COD.
2	COD will process and store the response file.

7.2. Dependencies

#	Dependencies
2	NSLDS is dependent on the network and Data Center managed by the VDC, and COD is dependent on the network managed by Amazon Web Services.

Appendix A - Acronyms and Abbreviations

ACRONYM	DEFINITION

Table A-1: Acronyms and Abbreviations

Appendix B - Glossary

Term	Definition

Table B-1: Glossary

COD-NSLDS Enrollment Data File
Interface Control Document

Version 4.0 • 10/18/2019

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	6/02/2014	Accenture	Initial Draft
2.0	11/28/2017	Accenture	Updated for DI to MFT conversion
3.0	9/13/2019	Accenture	Updated to reflect transfer via SAIG
4.0	10/18/2019	Accenture	Updated based on comments from NSLDS and FSA

Table of Contents

Section 1. Interface Control Specification

Interface Name *	COD/EDW&A-NSLDS Enrollment Data File
Interface Type *	Unidirectional
Interface Short Description *	This document defines the processes utilized by COD/EDW&A and NSLDS to transmit the Enrollment Data Files via SAIG (Student Aid Internet Gateway). NSLDS will create the Enrollment Data Files to provide COD/EDW&A with the enrollment data of students. The Enrollment Data Files will consist of eight different detailed record layouts which will be associated to eight different data sources. The file name will help COD/EDW&A identify what is the source of the data. The Enrollment Data Files will be accepted and processed by COD/EDW&A. This file will contain enrollment data. The data transmitted will be in ASCII format.
Requesting (Source) Application *	NSLDS is the source application of the Enrollment Data File
Responding (Receiving or Destination) Application *	COD/ EDW&A is the destination application of the Enrollment Data File

Technical Requirement References *	NSLDS is the source application of the Enrollment Data File Source TG Mailbox (Production): TG50012 Source TG Mailbox (Test): TGM8699 Destination TG Mailbox (Production): TGN4866 Destination TG Mailbox (Test): TGD5024 Since the tables are extremely large, the extract files will be separated into 12 extracts per table except for the Enrollment Credential Level. - Anticipated completion - Message Class (Production): NSLEACOP - Message Class (Test): NSTEACOP - Student - Message Class (Production): NSLESTOP - Message Class (Test): NSTESTOP - Certification - Message Class (Production): NSLECEOP - Message Class (Test): NSTECEOP - Enrollment term - Message Class (Production): NSLEETOP - Message Class (Test): NSTEETOP - Enrollment - Message Class (Production): NSLENROP - Message Class (Test): NSTENROP - Enrollment Program - Message Class (Production): NSLEEPOP - Message Class (Test): NSTEEPOP - Enrollment Program Stat - Message Class (Production): NSLEPSOP - Message Class (Test): NSTEPSOP
Interface Usage Frequence *	NSLDS will send a one-time initial load file for the existing enrollment data on July 18, 2014 (Friday). After this initial one-time load, NSLDS will send the enrollment data files to COD/EDW&A once a month on the third Friday of the month with the changes that occurred within that month. Monthly changes include all the added and updated records since the last time that the files were sent.

| Interface Usage Volume * | Volumes are listed per send and will be divided amount the files sent.

Anticipated Completion table
Number of Records for the Initial Send   1.15 Billion
Average Number of Records   12 Million per month
Estimated Peak Number of Records   14.4 Million per month

Student table
Number of Records for the Initial Send   84 Million
Average Number of Records   84 Million per month
Estimated Peak Number of Records   96 Million per month

Certification table
Number of Records for the Initial Send 1.57 Billion
Average Number of Records   24 Million per month
Estimated Peak Number of Records   48 Million per month

Enrollment Term table
Number of Records for the Initial Send 312 Million
Average Number of Records   3.6 Million per month
Estimated Peak Number of Records   4.8 Million per month

Enrollment Credential Level table
Number of Records for the Initial Send 1.8 Million
Average Number of Records   0   Million per month
Estimated Peak Number of Records   0   Million per month
*this table will not extract monthly files after initial extract

Enrollment table
Number of Records for the Initial Send   1.16 Billion
Average Number of Records   12 Million per month
Estimated Peak Number of Records   14.4 Million per month

Enrollment Program table
Number of Records for the Initial Send 112 Million
Average Number of Records   1.6 Million per month
Estimated Peak Number of Records   2.8 Million per month

Enrollment Program Stat table
Number of Records for the Initial Send 115 Million
Average Number of Records   1.3 Million per month
Estimated Peak Number of Records   2.5 Million per month |

Required field

Section 2. Interface Overview

2.1. Flow Diagram

2.2. Flow Diagram Description

1. The NSLDS system will initiate a process to create the Enrollment Data Files.
2. NSLDS will send the files to COD/EDWA via SAIG.
3. The COD/ EDW&A scheduler will invoke the COD/ EDW&A Midrange server when a file is received and a Load data job will then process the Enrollment Data File.

2.3. Usage Scenarios

NSLDS will send the enrollment data files to COD every third Friday of the month.

Section 3. System Information

3.1. Requesting (or Source) System Information

#	Type	
1	Production System Location	Plano, TX
2	Contracting Organization	BRIEFCASE Systems Development, Inc. (BSD)
3	Developer Location	Arlington, VA

3.2. Responding (Receiving or Destination) System Information

#	Type	
1	Production System Location	Amazon Web Services GovGloud West
2	Contracting Organization	Accenture
3	Developer Location	Washington, DC

Section 4. Interfacing System Responsibilities

4.1. Requesting (or Source) System Responsibilities

NSLDS

#	Description
1	NSLDS will create an enrollment data flat files formatted as specified on the File Specification section.
2	The detailed records will contain students' identifier information necessary to retrieve enrollment status. The order of the "NSLDS Detail Records" is not significant. There are no dependencies between detailed records.
3	NSLDS will send the file to COD/EDWA via SAIG.

4.2. Responding (Receiving or Destination) System Responsibilities

COD/EDW&A

#	Description
1	COD/EDW&A will receive the enrollment data files on its server
2	COD/EDW&A will load the Enrollment Data into its database

Section 5. Business Rules and Logic

This interface enables NSLDS to send Enrollment Data files to COD/EDW&A. These flat files will be sent through SAIG. The files fill have an initial one-time load followed by a monthly feed. There will be one type of record within the Enrollment Data Files:

- **Enrollment Data Detailed Record** - The Enrollment Detailed Record provides COD/EDW&A with students' enrollment information.

The NSLDS will provide COD/EDW&A with 8 different files. The difference between the files will be the file layout of the Enrollment Data Detailed Record. The following are the file layouts available for each type of detailed record:

- Student record file layout
- Anticipated completion record file layout
- Certification record file layout
- Enrollment record file layout
- Enrollment credential record file layout
- Enrollment term record file layout
- Enrollment program file layout
- Enrollment program stat layout
-

For the monthly feed, the NSLDS shall be able to send all the added and updated records since the last time that the files were sent. COD/EDW&A shall be able to store the enrollment data in its database and update where appropriate. The NSLDS shall provide the record count of each file transmission.

Type	Description
Alphanumeric	All characters will be left justified and padded with spaces. Unless otherwise noted in the file specification section, blank/null optional fields will be padded with spaces.
Numeric/timestamp/date	All characters will be left padded with '0'. If it is blank/null, the length for the location of the field will be padded with '0'.
All fields	If the length of the source exceeds the maximum length of the data element, the source will be truncated.

Section 6. File Specification

SAIG Header Record:

Description	Description	Field Format	Length	Start Position	End Position
SAIG Batch Header Identification	Constant "O*N05"	Alphanumeric	5	1	5
Destination SAIG Mailbox	Destination SAIG Mailbox	Alphanumeric	7	6	12
Constant spaces	Unused	Alphanumeric	7	13	19
Header Class Label	Constant: ",CLS="	Alphanumeric	5	20	24
Destination Message Class	Varies based on file type	Alphanumeric	8	25	32
Header XXX Label	Constant: ",XXX"	Alphanumeric	4	33	36
Text used to identify the next field in a Batch ID	Constant: ",BAT="	Alphanumeric	5	37	41
Batch ID	File Batch ID	Alphanumeric		42	
Constant spaces	Unused (Record must exceed 70 characters)	Alphanumeric	70+	42	92

Anticipated Completion Detail Record Format:

Pos FR	Pos TO	Table Name	Column Name	Description	Length	Data Type
1	9	ANTIC_COMPL	STU_NO	The unique NSLDS generated identifier of a student. This field will be right justified with leading spaces.	9	Character
10	13	ANTIC_COMPL	STU_SEQ_NO	An attribute that keeps the Student Number unique. This field will be right justified with leading spaces.	4	Character
14	21	ANTIC_COMPL	SCH_CODE	An 8-digit ED assigned code for uniquely identifying a school.	8	Character
22	41	ANTIC_COMPL	BEG_TSTAMP	The time at which NSLDS created this occurrence.	20	Timestamp

Pos FR	Pos TO	Table Name	Column Name	Description	Length	Data Type
42	42	ANTIC_COMPL	SRC_TYPE	A code identifying the type of source that reported this occurrence. As of 11/15/2000, valid values are: D–Direct Loan G–GA N-NSLDS P–Perkins S–SSCR	1	Character
43	48	ANTIC_COMPL	SRC_CODE	The organization code of the organization reporting the Anticipated Completion information.	6	Character
49	56	ANTIC_COMPL	SRC_BR_CODE	An 8-digit ED assigned code for uniquely identifying an organization reporting the Anticipated Completion information.	8	Character
57	64	ANTIC_COMPL	DT	The date on which a given student at a given school is expected to graduate or otherwise terminate a course of study.	8	Character
65	84	ANTIC_COMPL	END_TSTAMP	The time at which NSLDS marked this occurrence as no longer current.	20	Timestamp

Certifcation Detail Record Format:

Pos FR	Pos TO	Table Name	Column Name	Description	Length	Data Type
1	9	CERT	STU_NO	The unique NSLDS generated identifier of a student. This field will be right justified with leading spaces.	9	Character
10	13	CERT	STU_SEQ_NO	An attribute that keeps the Student Number unique. This field will be right justified with leading spaces.	4	Character
14	21	CERT	SCH_CODE	An 8-digit ED assigned code for uniquely identifying a school.	8	Character
22	41	CERT	BEG_TSTAMP	The time at which NSLDS created this occurrence.	20	Timestamp
42	49	CERT	DT	Date as of which a school certified enrollment information for a student.	8	Character
50	50	CERT	METHOD	Code for method of Certification. As of 11/15/2000, valid values are: C–Clearinghouse N–NSLDS batch W–NSLDS Web	1	Character

51	70	CERT	END_TSTAMP	The time at which NSLDS marked this occurrence as no longer current.	20	Timestamp
71	78	CERT	TERM_BEG_DT	Term Begin Date reported on the school certification.	8	Character
79	86	CERT	TERM_END_DT	Term End Date reported on the school certification.	8	Character
87	106	CERT	SSCR_EVT_TSTAMP	The SSCR_Evt_Tstamp from SSCR_RTN_SUM. To link the certifications to the Summary record they were submitted with.	20	Timestamp

Enrollment Detail Record Format:

Pos FR	Pos TO	Table Name	Column Name	Description	Length	Data Type
1	9	ENRL	STU_NO	The unique NSLDS generated identifier of a student. This field will be right justified with leading spaces.	9	Character
10	13	ENRL	STU_SEQ_NO	An attribute that keeps the Student Number unique. This field will be right justified with leading spaces.	4	Character
14	21	ENRL	SCH_CODE	An 8-digit ED assigned code for uniquely identifying a school.	8	Character
22	41	ENRL	BEG_TSTAMP	The time at which a given Enrollment record is created.	20	Timestamp
42	42	ENRL	SRC_TYPE	Code to identify the type of provider reporting Enrollment information. As of 11/15/2000, valid values are: D–Direct Loans G–GA N-NSLDS P–Perkins S–SSCR	1	Character
43	48	ENRL	SRC_CODE	The organization code of the organization providing the Enrollment information.	6	Character
49	56	ENRL	SRC_BR_CODE	The branch code of the organization providing the Enrollment information.	8	Character

Pos FR	Pos TO	Table Name	Column Name	Description	Length	Data Type
57	57	ENRL	CODE	Code identifying Enrollment status of student. As of 1/11/2013, valid values are: A–Approved Leave of Absence D–Deceased F–Full Time G–Graduated H–Half Time L–Less than Half Time Q - Three quarters time W–Withdrawn X–Never Attended Z–No Record Found	1	Character
58	65	ENRL	EFF_DT	Date as of which an Enrollment status is effective.	8	Character
66	66	ENRL	VAL_IND	Indicates whether an Enrollment record is currently valid in order to facilitate queries. As of 1/15/2000, valid values are: N = indicates occurrence is not valid ' ' denoted as a blank space, indicates occurrence is valid	1	Character
67	86	ENRL	END_TSTAMP	The time at which NSLDS marked this occurrence as no longer current.	20	Timestamp

Enrollment Credential Level Detail Record Format:

Pos FR	Pos TO	Table Name	Column Name	Description	Length	Data Type
1	9	ENRL_CRED_LVL	STU_NO	The unique NSLDS generated identifier of a student. This field will be right justified with leading spaces.	9	Character
10	13	ENRL_CRED_LVL	STU_SEQ_NO	An attribute that keeps the Student Number unique. This field will be right justified with leading spaces.	4	Character
14	21	ENRL_CRED_LVL	SCH_CODE	An 8-digit ED assigned code for uniquely identifying a school.	8	Character
22	29	ENRL_CRED_LVL	SYS_CR_DT	The processing date NSLDS recorded the credential level.	8	Character
30	31	ENRL_CRED_LVL	CRD_LVL	Credential level reported by the school for the student graduating status.	2	Character
32	39	ENRL_CRED_LVL	EFF_DT	The Effective date of the graduation enrollment status associated with the credential level.	8	Character

Pos FR	Pos TO	Table Name	Column Name	Description	Length	Data Type
40	40	ENRL_CRED_LVL	VAL_IND	Indicator to show that later data reported caused the credential level to be invalidated.	1	Character

Enrollment Term Detail Record Format:

Pos FR	Pos TO	Table Name	Column Name	Description	Length	Data Type
1	9	ENRL_TERM	STU_NO	The unique NSLDS generated identifier of a student. This field will be right justified with leading spaces.	9	Character
10	13	ENRL_TERM	STU_SEQ_NO	An attribute that keeps the Student Number unique. This field will be right justified with leading spaces.	4	Character
14	21	ENRL_TERM	SCH_CODE	An 8-digit ED assigned code for uniquely identifying a school.	8	Character
22	41	ENRL_TERM	BEG_TSTAMP	The time at which a given Term record is created	20	Timestamp
42	49	ENRL_TERM	BEG_DT	The date the term began for the student.	8	Character
50	57	ENRL_TERM	END_DT	The date the term ends for the student.	8	Character
58	77	ENRL_TERM	END_TSTAMP	The time at which NSLDS marked this occurrence as no longer current.	20	Timestamp

Student Detail Record Format:

Pos FR	Pos TO	Table Name	Column Name	Description	Length	Data Type
1	9	STU	NO	The unique NSLDS generated identifier of a student. This field will be right justified with leading spaces.	9	Character
10	13	STU	SEQ_NO	An attribute that keeps the Student Number unique. This field will be right justified with leading spaces.	4	Character
14	22	STU	CURR_SSN	An attribute indicating current Social Security number for a Title IV aid recipient. This can be updated with corrections.	9	Numeric
23	34	STU	CURR_FST	An attribute recording the current first name of a Title IV aid recipient.	12	Character
35	69	STU	CURR_LST	An attribute indicating the current last name of a Title IV aid recipient.	35	Character
70	70	STU	MID_INIT	Middle initial of a Title IV aid recipient.	1	Character

				Date on which a Title IV aid recipient was born.		
71	78	STU	DOB	Date on which a Title IV aid recipient was born.	8	Date

Enrollment Program Detail Record Format:

Pos FR	Pos TO	Table Name	Column Name	Description	Length	Data Type
1	9	ENRL_PROG	STU_NO	The unique NSLDS generated identifier of a student. This field will be right justified with leading spaces.	9	Character
10	13	ENRL_PROG	STU_SEQ_NO	An attribute that keeps the Student Number unique. This field will be right justified with leading spaces.	4	Character
14	21	ENRL_PROG	SCH_CODE	An 8-digit ED assigned code for uniquely identifying a school.	8	Character
22	23	ENRL_PROG	CRED_LVL	Credential level reported by the school for the student graduating status.	2	Character
24	27	ENRL_PROG	CIP_AWARD_YR_BEG	Award Year the CIP title became active. Format is (CCYY)	4	Character
28	33	ENRL_PROG	CIP_CODE	Classification of Instructional Programs (CIP)	6	Character
34	34	ENRL_PROG	SRC_TYPE	Code to identify the type of provider reporting program enrollment information. As of 12/10/2013,	1	Character
35	40	ENRL_PROG	SRC_CODE	The 6-digit organization code of the organization providing the program enrollment information.	6	Character
41	48	ENRL_PROG	SRC_BR_CODE	The 8-digit school/branch code of the organization providing the enrollment program information.	8	Character
49	68	ENRL_PROG	BEG_TSTAMP	The time at which a given enrollment record is created.	20	Timestamp
69	76	ENRL_PROG	STU_BEG_PROG_DT	Date the student began work in the program. This is independent of the effective date of the status.	8	Date
77	83	ENRL_PROG	PUBLISHED_PROG_LGTH_YR	The length in years of a schools published program that is submitted by a school.	7	Numeric
84	90	ENRL_PROG	WKS_PROG_ACAD_YR	This is the total number of weeks of instruction in the programs academic year.	7	Numeric
91	91	ENRL_PROG	SPCL_PROG_IND	This is the special program type being covered by aid. If the aid is not for a special program, this field will either	1	Character

Pos FR	Pos TO	Table Name	Column Name	Description	Length	Data Type
				be blank or display Not Applicable.		
92	111	ENRL_PROG	END_TSTAMP	The time at which NSLDS marked this occurrence as no longer current.	20	Timestamp
112	112	ENRL_PROG	PUBLISHED_PROG_LGTH_MSRMT	The unit of measure for the length of the instructional program as published by the school.	1	Character
113	119	ENRL_PROG	PUBLISHED_PROG_LGTH_WMY	The length of schools published program in weeks, months or years. The unit is stored in the length measurement attribute.	7	Numeric

Enrollment Program Stat Detail Record Format:

Pos FR	Pos TO	Table Name	Column Name	Description	Length	Data Type
1	9	ENRL_PROG_STAT	STU_NO	The unique NSLDS generated identifier of a student. This field will be right justified with leading spaces.	9	Character
10	13	ENRL_PROG_STAT	STU_SEQ_NO	An attribute that keeps the Student Number unique. This field will be right justified with leading spaces.	4	Character
14	21	ENRL_PROG_STAT	SCH_CODE	An 8-digit ED assigned code for uniquely identifying a school.	8	Character
22	23	ENRL_PROG_STAT	CRED_LVL	Credential level reported by the school for the student graduating status.	2	Character
24	27	ENRL_PROG_STAT	CIP_AWARD_YR_BEG	Award Year the CIP title became active. Format is (CCYY)	4	Character
28	33	ENRL_PROG_STAT	CIP_CODE	Classification of Instructional Programs (CIP)	6	Character
34	34	ENRL_PROG_STAT	SRC_TYPE	Code to identify the type of provider reporting program enrollment information. As of 12/10/2013,	1	Character
35	40	ENRL_PROG_STAT	SRC_CODE	The 6-digit organization code of the organization providing the program enrollment information.	6	Character
41	48	ENRL_PROG_STAT	SRC_BR_CODE	The 8-digit school/branch code of the organization providing the enrollment program information.	8	Character
49	68	ENRL_PROG_STAT	BEG_TIMESTAMP	The time at which a given enrollment record is created.	20	Timestamp
69	69	ENRL_PROG_STAT	CODE	Code for students' enrollment status at school.	1	Character

70	77	ENRL_PROG_STAT	EFF_DT	Date as of which a program enrollment status is effective.	8	Date
78	78	ENRL_PROG_STAT	CURR_IND	Indicates whether an enrollment record is considered current. A record may be marked with an end timestamp, but still be considered the current record as in the case of a withdrawal or graduated that has been certified twice.	1	Character
79	98	ENRL_PROG_STAT	END_TIMESTAMP	The time at which NSLDS marked this occurrence as no longer current.	20	Timestamp
99	99	ENRL_PROG_STAT	VAL_IND	Indicator to show that occurrences are valid or not valid.	1	Character
100	119	ENRL_PROG_STAT	SYS_END_TSTAMP	The time at which a later reporting of program enrollment data marked the record as invalid.	20	Timestamp
120	126	ENRL_PROG_STAT	PUBLISHED_PROG_ LGTH_YR	The length in years of a schools published program that is submitted by a school	7	Numeric

SAIG Trailer Record:

Description	Description	Field Format	Length	Start Position	End Position
SAIG Batch Trailer Identification	Constant "O*N95"	Alphanumeric	5	1	5
Destination SAIG Mailbox	Destination SAIG Mailbox	Alphanumeric	7	6	12
Constant spaces	Unused	Alphanumeric	7	13	19
Trailer Class Label	Constant: ",CLS="	Alphanumeric	5	20	24
Destination Message Class	Varies based on file type	Alphanumeric	8	25	32
Trailer XXX Label	Constant: ",XXX"	Alphanumeric	4	33	36
Text used to identify the next field in a Batch ID	Constant: ",BAT="	Alphanumeric	5	37	41
Batch ID	File Batch ID	Alphanumeric		42	
Constant spaces	Unused (Record must exceed 70 characters)	Alphanumeric	70+	42	92

Section 7. Interface Assumptions and Dependencies

7.1. Assumptions

#	Assumption
	Operational Assumptions
1	The NSLDS system execute in a batch TSO (time sharing option) environment.
2	Both COD and NSLDS will integrate with SAIG.
3	Batch job failures including errors integrating with SAIG will be captured by COD/EDWA/NSLDS Operations.
4	zOS Language Environment with C/C++ support is available in NSLDS.
	Functional Assumptions
1	The rules for processing the file are beyond the scope of this document.
2	COD/EDW&A will store and process the Enrollment Data files from NSLDS.

7.2. Dependencies

NSLDS is dependent on the network and Data Center managed by the VDC, and COD/EDW&A is dependent on the network managed by Amazon Web Services.

Appendix A - Acronyms and Abbreviations

ACRONYM	DEFINITION

Table A-1: Acronyms and Abbreviations

Appendix B - Glossary

TERM	DEFINITION

Table B-1: Glossary

Enrollment Data Files

SAIG

Enrollment Data Files

NSLDS

COD

Federal **Student** Aid
An OFFICE *of the* U.S. DEPARTMENT *of* EDUCATION

PROUD SPONSOR *of*
the AMERICAN MIND[T]
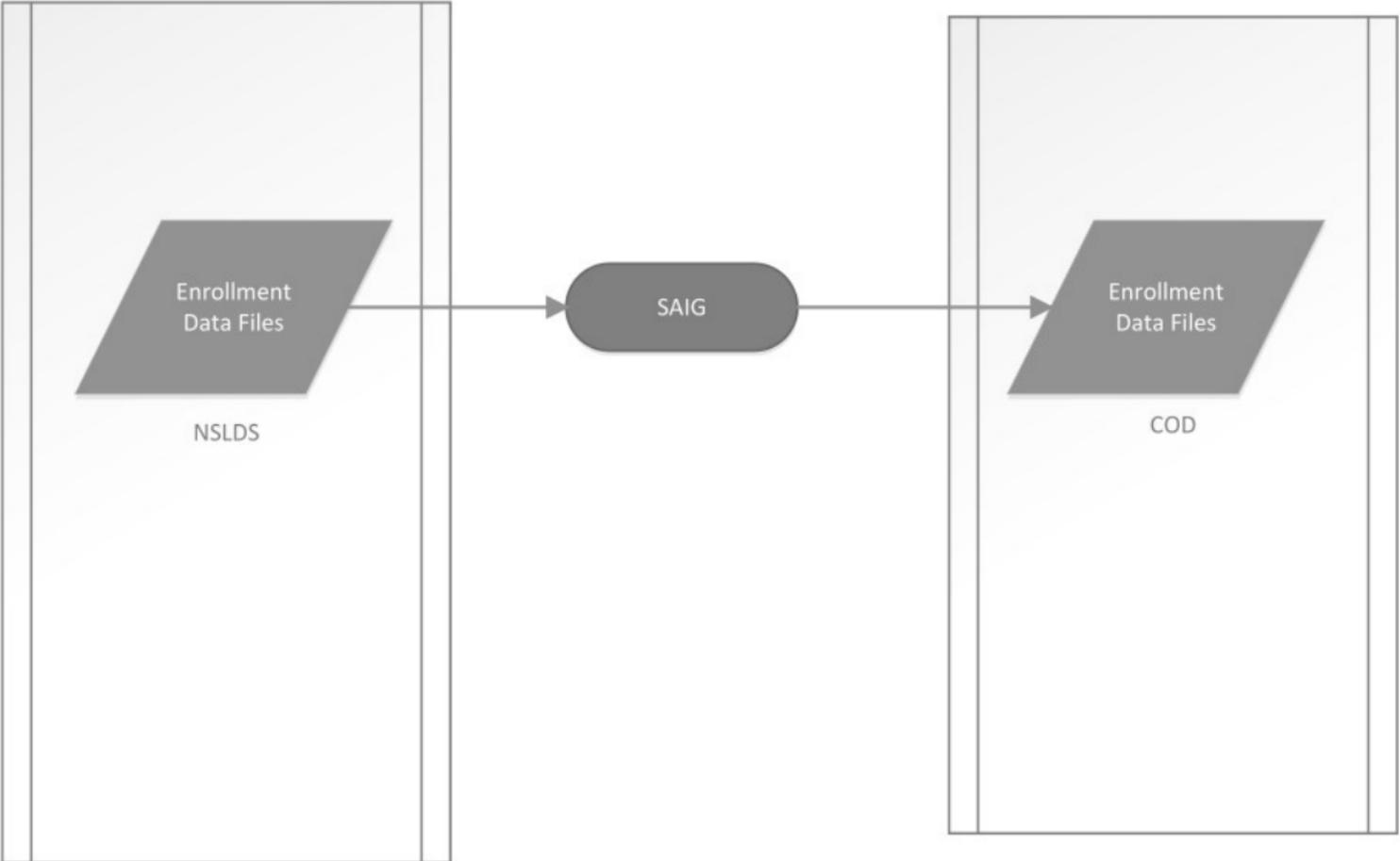
New loan-level Borrower Outstanding Balance (BOB) file from the National Student Loan Data System (NSLDS) to Common Origination and Disbursement (COD)

Interface Control Document

Version 8.0 . 11/15/2019

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	12/07/2017	Danielle Brown	R17.1 as part of the new Borrower Outstanding Balance (BOB) file CR
1.0	1/9/2018	Oscar Garza	TO additions
1.0	1/10/2018	Oscar Garza	Adding SAIG references
2.0	1/17/2018	NSLDS	NSLDS comments added
3.0	1/22/2018	Danielle Brown	Updated based on FSA and NSLDS comments in our first review meeting
3.0	1/29/2018	Oscar Garza	Removing SAIG references
4.0	2/9/2018	Danielle Brown	Updated based on FSA and NSLDS comments
5.0	3/19/2018	Danielle Brown	Updated Middle Name field based on comments
6.0	9/13/2019	Accenture	Updated to reflect transfer via SAIG
7.0	10/18/2019	Accenture	Updating messge class name based on feedback from SAIG
8.0	11/15/2019	Accenture	Added back the BOB File layout (referred to as Detail Record)

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Section 1. Interface Control Specification

Interface Name	COD-NSLDS 150% Subsidy Limit Legislation
Interface Type	Unidirectional
Interface Short Description	This interface is for the transfer of the BOB data from NSLDS that is reported to COD for SULA determinations via SAIG. NSLDS produces the BOB file to provide COD with a record of loan's outstanding loan balance indicators. This file will be extracted and transmitted to COD. The file will report an indicator if a loan has an outstanding loan balance on the NSLDS
Requesting (Source) Application	NSLDS
Responding (Receiving or Destination) Application *	COD System
Technical Requirement References	Source TG Mailbox (Production): TG50012 Source TG Mailbox (Test): TGM8699 Message Class (Production): NSLBOBOP Message Class (Test): NSTBOBOP Destination TG Mailbox (Production): TG71900 Destination TG Mailbox (Test): TGS2700
Interface Usage Frequence	NSLDS will transmit one file per week to COD.
Interface Usage Volume	TBD

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Section 2. Interface Overview

2.1. Flow Diagram

2.2. Flow Diagram Description

1. The NSLDS system will initiate a process to extract the data and create the file for the Borrower Outstanding Balance file.
2. NSLDS will transfer the file to COD via SAIG.
3. The COD scheduler will invoke the weekly file data load job upon the receipt of the Borrower Outstanding Balance file.
4. The COD load data job will process the Borrower Outstanding Balance file and load all information into the COD database

2.3. Usage Scenarios

Only FFEL and Direct Loan program data from NSLDS will be included in the new Loan-Level BOB file and used for SULA determinations.

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Section 3. System Information

3.1. Requesting System Information

#	Type	
1	Production System Location	Plano, TX
2	Contracting Organization	BRIEFCASE Systems Development, Inc. (BSD)
3	Developer Location	Arlington, VA

3.2. Responding System Information

#	Type	
1	Production System Location	Amazon Web Services GovCloud West
2	Contracting Organization	Accenture
3	Developer Location	Washington, DC

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Section 4. Interfacing System Responsibilities

4.1. Requesting (or Source) System Responsibilities

NSLDS Functional Specifications

#	Description
1	NSLDS will extract Borrower Outstanding Balance data from the NSLDS database.
2	The extracted data will be saved to a flat file
3	The data extracted will be formatted as specified in the File Specification section.
4	The "SAIG Header Record" will be the first record in the file.
	The "Header Record" will be the second record in the file marked with Record Type 000.
	The "Trailer Record" will be the second to last record in the file marked with Record Type 999.
	The "SAIG Trailer Record" will be the last record in the file.
5	NSLDS will transfer the file to COD via SAIG.

4.2. Responding (or Destination) System Responsibilities

COD Functional Specifications

#	Description
1	COD will retrieve the file from SAIG
2	COD will sweep up the staged Borrower Outstanding Balance file and parser the data.
3	COD will write the data from the Borrower Outstanding Balance file to the COD Oracle database

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Section 5. Business Rules and Logic

Field format/data element	Business Rule
Alphanumeric	All characters will be left justified and padded with spaces. Unless otherwise noted in the file specification section, blank/null optional fields will be padded with spaces.
Numeric/timestamp/date	All characters will be left padded with '0'. If it is blank/null, the length for the location of the field will be padded with '0'.
All fields	If the length of the source exceeds the maximum length of the data element, the source will be truncated.

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Section 6. File Specification

SAIG Header Record:

Description	Description	Field Format	Length	Start Position	End Position
SAIG Batch Header Identification	Constant "O*N05"	Alphanumeric	5	1	5
Destination SAIG Mailbox	Destination SAIG Mailbox	Alphanumeric	7	6	12
Constant spaces	Unused	Alphanumeric	7	13	19
Header Class Label	Constant: ",CLS="	Alphanumeric	5	20	24
Destination Message Class	Varies based on file type	Alphanumeric	8	25	32
Header XXX Label	Constant: ",XXX"	Alphanumeric	4	33	36
Text used to identify the next field in a Batch ID	Constant: ",BAT="	Alphanumeric	5	37	41
Batch ID	File Batch ID	Alphanumeric		42	
Constant spaces	Unused (Record must exceed 70 characters)	Alphanumeric	70+	42	92

HeaderI Record:

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'000' – Represents Header	Character	3	1	3
Header Sort Key	Hex low value or spaces	Alphanumeric	9	4	12
Header Title	Value 'BORROWER OUTSTANDING BALANCE FILE'	Character	35	13	47
Submittal Date/Time	Timestamp for when the file was submitted. Format: CCYYMMDDHHMMSSMMMMMM No punctuation.	Timestamp	20	48	67
Filler	Spaces	Numeric	83	68	150

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Detail Record:

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	'001' - Represents the detailed Loan-Level Outstanding Balance Record	Character	3	1	3	Required
Borrower SSN	This is the SSN of the loan's borrower stored on NSLDS that is entered by the user to retrieve student information.	Numeric	9	4	12	Required
Borrower First Name	This is the first name of the loan's borrower stored on NSLDS. If no first name indicate 'NFN'	Alpha-numeric	35	13	47	Required
Borrower Middle Name	The Borrower Middle Name shall be the full middle name for a federal loan's borrower, or the middle initial for a commercial loan's borrower stored on NSLDS. If no middle name then NSLDS will pad the length with spaces.	Alpha-numeric	35	48	82	Optional
Borrower Last Name	This is the last name of the loan's borrower stored on NSLDS. If no last name indicate 'NLN'.	Alpha-numeric	35	83	117	Required
Borrower DOB	This is the birth date of the loan's borrower stored on NSLDS. Format CCYYMMDD If Null/Blank then pad length with '0's.	Date	8	118	125	Required

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Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Borrower Identifier	This is a combination of: - NSLDS Student Number with NSLDS Student Sequence Number, **OR** - NSLDS PLUS Borrower Number with NSLDS Borrower Sequence Number	Numeric	13	126	138	Required
Award ID	This is the unique award identifier of federally serviced loans.	Alpha-numeric	21	139	159	Optional
NSLDS Label	This is the unique label given to a loan by NSLDS.	Alpha-numeric	17	160	176	Required
Loan Type	This is the two-digit NSLDS loan type code: - DLS (D0, D1, D6, D9) - DLU (D2, D5, D8) - DLP (D3, D4, D7) - FFEL (CL, ~~RF,~~ GB, PL, SL, SU, SF)	Alpha-numeric	2	177	178	Required
Earliest Disburse-ment Date	The EDD of that loan as stored in NSLDS. Format CCYYMMDD If Null/Blank then pad length with '0's.	Date	8	179	186	Required

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Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Most Recent Balance Date	This is the date that the loan most recently had an outstanding principal balance (OPB) or date of outstanding Interest balance (OIB). If the loan has an OPB or OIB equal to zero with an open loan status (AL, BK, DA, DB, DF, DI, DL, DO, DS, DT, DU, DX, DZ, FB, FR, IA, ID, IG, IM, IP,RP, UA, UB, XD) then the Most Recent Balance Date will be substituted with the Date for Loan Status. Format CCYYMMDD If Null/Blank then pad length with '0's.	Date	8	187	194	Required
Outstanding Balance Indicator	This indicates that a loan currently has an amount of Outstanding Principle Balance greater than zero or an amount of Outstanding Interest Balance greater than zero OR a loan which meets the following criteria: open loan status and amount of OPB equal to zero or amount of OIB equal to zero.	Alpha-numeric (Y or N)	1	195	195	Required
Current Loan Status	This is a two letter code for Loan Status.	Alpha-numeric	2	196	197	Required

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Trailer Record:

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'999' – Represents Trailer Record	Character	3	1	3
Trailer Sort Key	Hex high value or '999999999'	Alphanumeric	9	4	12
Count of Detail Records	Total count of detail records.	Numeric	9	13	21
Filler	Attribute to complete record length	Alphanumeric	129	22	150

SAIG Trailer Record:

Description	Description	Field Format	Length	Start Position	End Position
SAIG Batch Trailer Identification	Constant "O*N95"	Alphanumeric	5	1	5
Destination SAIG Mailbox	Destination SAIG Mailbox	Alphanumeric	7	6	12
Constant spaces	Unused	Alphanumeric	7	13	19
Trailer Class Label	Constant: ",CLS="	Alphanumeric	5	20	24
Destination Message Class	Varies based on file type	Alphanumeric	8	25	32
Trailer XXX Label	Constant: ",XXX"	Alphanumeric	4	33	36
Text used to identify the next field in a Batch ID	Constant: ",BAT="	Alphanumeric	5	37	41
Batch ID	File Batch ID	Alphanumeric		42	
Constant spaces	Unused (Record must exceed 70 characters)	Alphanumeric	70+	42	92

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Section 7. Interface Assumptions and Dependencies

7.1. Assumptions

#	Assumption
	Operational Assumptions
1	The Loan-Level BOB file will be delivered through SAIG.
2	The NSLDS system will execute in a batch TSO (time sharing option) environment.
3	The COD System will execute in a Red Hat Linux environment.
4	Both COD and NSLDS will be able to integrate with SAIG.
5	Batch job failures will be captured by Operations software on the Linux server.
	Functional Assumptions
7	NSLDS DB2 contains information required to create the Loan-Level BOB file.
8	COD will process the Loan-Level BOB file. The rules for processing the file are beyond the scope of this document.
9	COD will not send a response or receipt file.
10	The two baseline Loan-Level BOB files will contain all Direct and FFEL loans which have or had an outstanding balance greater than zero on or after July 1, 2013, or have or had an open status on or after July 1, 2013.
11	The two baseline Loan-Level BOB files will not contain any loans whose Most Recent Balance Date is before July 1, 2013.
12	The weekly delta Loan-Level BOB files will only contain changes to Direct and FFEL loans which have or had an outstanding balance greater than zero on or after July 1, 2013, or have or had a zero balance and with an open status on or after July 1, 2013.

7.2. Dependencies

NSLDS and ESB are dependent on the network and Data Center managed by the VDC, and COD is dependent on the network managed by Amazon Web Services.

NSLDS | BOB File → SAIG → BOB File | COD
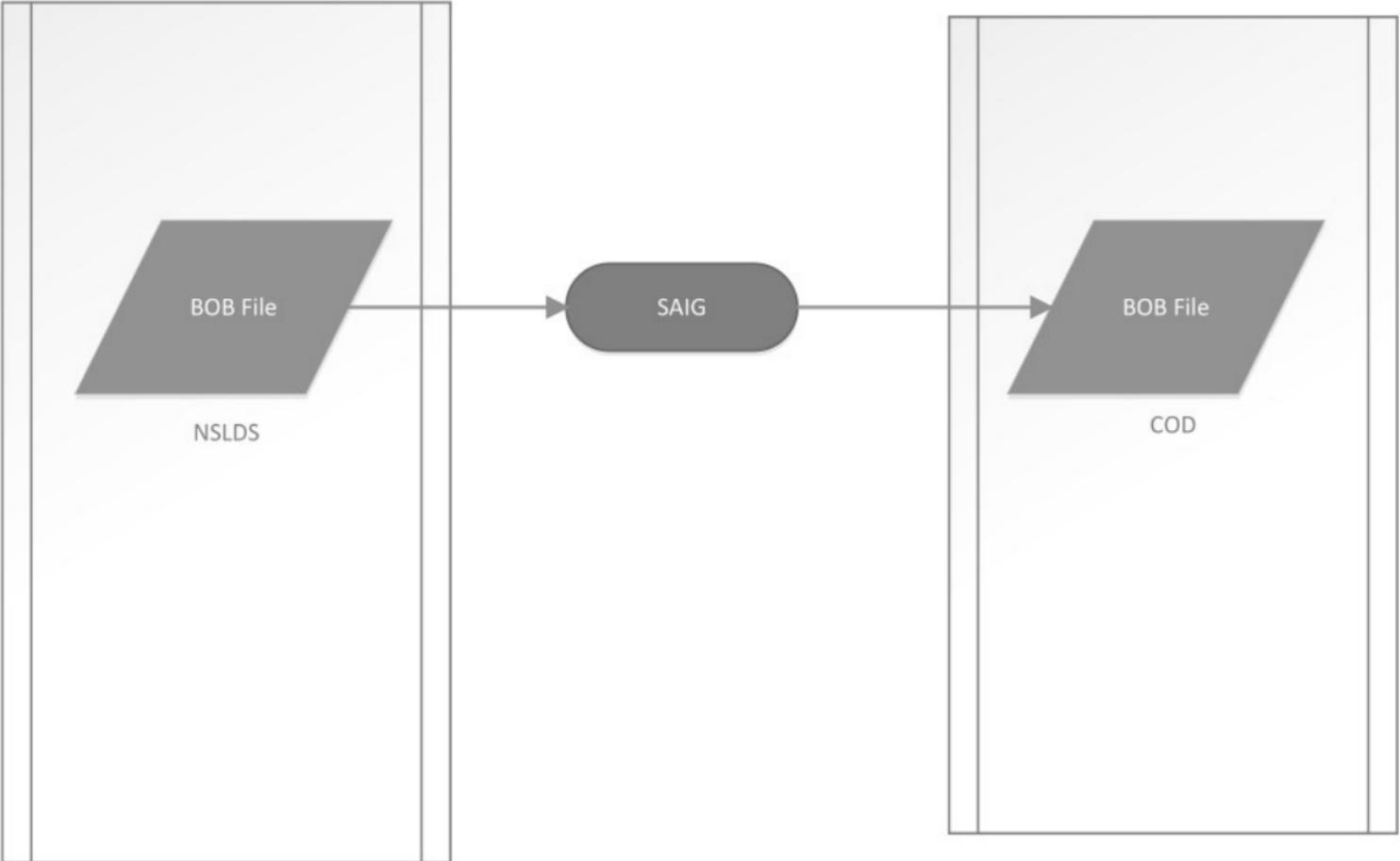
COD-NSLDS Reconciliation Data File
Interface Control Document

Version 4.0 ● 11/15/2019

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	10/18/2019	Accenture	Initial Draft
2.0	10/24/2019	Accenture	Changes based on comments, Appendix C, D and E added.
3.0	10/30/2019	Accenture	Changes based on comments.
4.0	11/15/2019	Accenture	Updated data type definition, updated Appendix D with new record layouts

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Section 1. Interface Control Specification

Interface Name *	COD/EDW&A-NSLDS OIG Reconciliation Data File
Interface Type *	Unidirectional
Interface Short Description *	This document defines the processes utilized by COD/EDW&A and NSLDS to transmit the OIG Reconciliaiton Data Files via SAIG (Student Aid Internet Gateway). NSLDS will create the OIG Reconcialiaiton Data Files to provide COD/EDW&A with a way to reconcile data within EDW&A. The OIG Reconciliaiton Data Files will consist of thirty eight different detailed record layouts which will be associated with thirty eight distinct message classes. The message class name will help COD/EDW&A identify what is the record type of the file. The OIG Reconciliation Data Files will be accepted and processed by COD/EDW&A.
Requesting (Source) Application *	NSLDS is the source application of the OIG Reconciliation Data File
Responding (Receiving or Destination) Application *	COD/ EDW&A is the destination application of the OIG Reconciliation Data File
Technical Requirement References *	NSLDS is the source application of the OIG Reconciliation Data File Source TG Mailbox (Production): TG50012 Source TG Mailbox (Test): TGM8699 Destination TG Mailbox (Production): TGN4866 Destination TG Mailbox (Test): TGD5024 See See Appendix C - OIG Reconciliation Message Classes and BAT IDs for Specific Message Class breakdown
Interface Usage Frequence *	NSLDS will send these files monthly on the 2nd Thursday of each month. EDW&A will consume these files on the 22nd of the month.
Interface Usage Volume *	See Appendix E, File Volumes.

Required field

Section 2. Interface Overview

2.1. Flow Diagram

2.2. Flow Diagram Description

1.   The NSLDS OIG system interface will initiate a process to create the Reconciliation Data Files.
2.   NSLDS will send the OIG files to COD/EDWA via SAIG.
3.   The COD/ EDW&A scheduler will invoke the COD/ EDW&A Midrange server when a file is received and a Load data job will then process the Reconciliation Data File.

2.3. Usage Scenarios

NSLDS will send the OIG Reconciliation Data files to COD/EDW&A on 2nd Thursday of each month.

Section 3. System Information

3.1. Requesting (or Source) System Information

#	Type	
1	Production System Location	Plano, TX
2	Contracting Organization	BRIEFCASE Systems Development, Inc. (BSD)
3	Developer Location	Arlington, VA

3.2. Responding (Receiving or Destination) System Information

#	Type	
1	Production System Location	Amazon Web Services GovGloud West
2	Contracting Organization	Accenture
3	Developer Location	Washington, DC

Section 4. Interfacing System Responsibilities

4.1. Requesting (or Source) System Responsibilities

NSLDS

#	Description
1	NSLDS will create OIG Reconciliation data flat files formatted as specified on the File Specification section.
2	The detailed records will provide information related to awards that will allow EDW&A to perform reconciliation analysis.
3	NSLDS will send the file to COD/EDWA via SAIG.

4.2. Responding (Receiving or Destination) System Responsibilities

COD/EDW&A

#	Description
1	COD/EDW&A will receive the OIG Reconciliation data files on its server
2	COD/EDW&A will load the OIG Reconciliation Data into its database

Section 5. Business Rules and Logic

This interface enables NSLDS to send OIG Reconciliation Data files to COD/EDW&A. These flat files will be sent through SAIG. There will be one type of record within each Reconciliation Data File.

The NSLDS will provide COD/EDW&A with 127 files representing 38 different tables. The difference between the files will be the file layout of the OIG Reconciliation Data Detailed Record. The file layouts for the SAIG Header and Trailer are available in the File Specification section. The detail record file layouts are available in Appendix D - NSLDS Table Structure.

For the monthly feed, the NSLDS shall be able to send all available data for that record type. COD/EDW&A will preserve all OIG Reconciliation files sent by NSLDS.

Type	Description
Alphanumeric	All characters will be left justified and padded with spaces. Unless otherwise noted in the file specification section, blank/null optional fields will be padded with spaces.
Timestamp/date	All characters will be non-formatted date values. If it is blank/null, the default values will be produced (e.g. a low end date shows as '00010101').
Numeric	All characters will not be left padded with '0'. If it is blank/null, the default values will be produced (e.g. '0').
All fields	If the length of the source exceeds the maximum length of the data element, the source will be truncated.

Section 6. File Specification

SAIG Header Record:

Description	Description	Field Format	Length	Start Position	End Position
SAIG Batch Header Identification	Constant "O*N05"	Alphanumeric	5	1	5
Destination SAIG Mailbox	Destination SAIG Mailbox	Alphanumeric	7	6	12
Constant spaces	Unused	Alphanumeric	7	13	19
Header Class Label	Constant: ",CLS="	Alphanumeric	5	20	24
Destination Message Class	Varies based on file type	Alphanumeric	8	25	32
Header XXX Label	Constant: ",XXX"	Alphanumeric	4	33	36
Text used to identify the next field in a Batch ID	Constant: ",BAT="	Alphanumeric	5	37	41
Batch ID	File Batch ID (Appendix C for Batch ID value)	Alphanumeric	Variable	42	Variable
Comma	Comma (At least one comma must be included after the File Batch ID)	Alphanumeric	Variable	Variable	Variable
Constant spaces	Unused (Record must exceed 70 characters)	Alphanumeric		XX	>=70

Refer to Appendix D - NSLDS Table Structure for Detail Record Layouts.

SAIG Trailer Record:

Data Element	Description	Field Format	Length	Start Position	End Position
SAIG Batch Trailer Identification	Constant "O*N95"	Alphanumeric	5	1	5
Destination SAIG Mailbox	Destination SAIG Mailbox	Alphanumeric	7	6	12
Constant spaces	Unused	Alphanumeric	7	13	19
Trailer Class Label	Constant: ",CLS="	Alphanumeric	5	20	24
Destination Message Class	Varies based on file type	Alphanumeric	8	25	32
Trailer XXX Label	Constant: ",XXX"	Alphanumeric	4	33	36
Text used to identify the next field in a Batch ID	Constant: ",BAT="	Alphanumeric	5	37	41

Data Element	Description	Field Format	Length	Start Position	End Position
Batch ID	File Batch ID (Appendix C for Batch ID value)	Alphanumeric	Variable	42	Variable
Comma	Comma (At least one comma must be included after the File Batch ID)	Alphanumeric	Variable	Variable	Variable
Constant spaces	Unused (Record must exceed 70 characters)	Alphanumeric		XX	>=70

Section 7. Interface Assumptions and Dependencies

7.1. Assumptions

#	Assumption
	Operational Assumptions
1	The NSLDS system execute in a batch TSO (time sharing option) environment.
2	Both COD and NSLDS will integrate with SAIG.
3	Batch job failures including errors integrating with SAIG will be captured by COD/EDWA/NSLDS Operations.
4	zOS Language Environment with C/C++ support is available in NSLDS.
5	The NSLDS data transfer to OIG will not be affected by this.
6	NSLDS shall participate in IST with COD.
7	SAIG is responsible for ensuring capacity is available to store files being sent to COD.
	Functional Assumptions
1	The rules for processing the file are beyond the scope of this document.
2	COD/EDW&A will store and process the Reconciliation Data files from NSLDS.

7.2. Dependencies

NSLDS is dependent on the network and Data Center managed by the NGDC, and COD/EDW&A is dependent on the network managed by Amazon Web Services.

Appendix A - Acronyms and Abbreviations

ACRONYM	DEFINITION

Table A-1: Acronyms and Abbreviations

Glossary

TERM	DEFINITION

Table 0-1: Glossary

Appendix B - OIG Reconciliation Message Classes and BAT IDs

PRODUCTION MESSAGE CLASS[1]	BAT ID	NSLDS DATASET NAME
NIGAOVOP	AIDOVPMT	NSLDSP.PRCK0004.PSTEP010.AIDOVPMT.BKUP.TAPE
NIGSCHOP	SCHOOL	NSLDSP.PRCK0004.PSTEP020.SCHOOL.BKUP.TAPE
NIGSBROP	SCHBR	NSLDSP.PRCK0004.PSTEP030.SCHBR.BKUP.TAPE
NIGLOAOP	LOANA	NSLDSP.LOANA.PRCK006A.PSTEP010.BKUP
	LOANB	NSLDSP.LOANB.PRCK006B.PSTEP010.BKUP
	LOANC	NSLDSP.LOANC.PRCK006C.PSTEP010.BKUP
	LOAND	NSLDSP.LOAND.PRCK006D.PSTEP010.BKUP
	LOANE	NSLDSP.LOANE.PRCK006E.PSTEP010.BKUP
	LOANF	NSLDSP.LOANF.PRCK006F.PSTEP010.BKUP
	LOANG	NSLDSP.LOANG.PRCK006G.PSTEP010.BKUP
	LOANH	NSLDSP.LOANH.PRCK006H.PSTEP010.BKUP
	LOANI	NSLDSP.LOANI.PRCK006I.PSTEP010.BKUP
	LOANJ	NSLDSP.LOANJ.PRCK006J.PSTEP010.BKUP
	LOANK	NSLDSP.LOANK.PRCK006K.PSTEP010.BKUP
	LOANL	NSLDSP.LOANL.PRCK006L.PSTEP010.BKUP
NIGPGROP	PELLGRTA	NSLDSP.PELLGRTA.PRCK002A.PSTEP010.BKUP
	PELLGRTB	NSLDSP.PELLGRTB.PRCK002B.PSTEP010.BKUP
	PELLGRTC	NSLDSP.PELLGRTC.PRCK002C.PSTEP010.BKUP
	PELLGRTD	NSLDSP.PELLGRTD.PRCK002D.PSTEP010.BKUP
	PELLGRTE	NSLDSP.PELLGRTE.PRCK002E.PSTEP010.BKUP
	PELLGRTF	NSLDSP.PELLGRTF.PRCK002F.PSTEP010.BKUP
	PELLGRTG	NSLDSP.PELLGRTG.PRCK002G.PSTEP010.BKUP
	PELLGRTH	NSLDSP.PELLGRTH.PRCK002H.PSTEP010.BKUP
	PELLGRTI	NSLDSP.PELLGRTI.PRCK002I.PSTEP010.BKUP
	PELLGRTJ	NSLDSP.PELLGRTJ.PRCK002J.PSTEP010.BKUP
	PELLGRTK	NSLDSP.PELLGRTK.PRCK002K.PSTEP010.BKUP
	PELLGRTL	NSLDSP.PELLGRTL.PRCK002L.PSTEP010.BKUP

[1] Same Message Classes will be used in Test as well.

NIGSTUOP	STUA	NSLDSP.STUA.PRCK012A.PSTEP010.BKUP
	STUB	NSLDSP.STUB.PRCK012B.PSTEP010.BKUP
	STUC	NSLDSP.STUC.PRCK012C.PSTEP010.BKUP
	STUD	NSLDSP.STUD.PRCK012D.PSTEP010.BKUP
	STUE	NSLDSP.STUE.PRCK012E.PSTEP010.BKUP
	STUF	NSLDSP.STUF.PRCK012F.PSTEP010.BKUP
	STUG	NSLDSP.STUG.PRCK012G.PSTEP010.BKUP
	STUH	NSLDSP.STUH.PRCK012H.PSTEP010.BKUP
	STUI	NSLDSP.STUI.PRCK012I.PSTEP010.BKUP
	STUJ	NSLDSP.STUJ.PRCK012J.PSTEP010.BKUP
	STUK	NSLDSP.STUK.PRCK012K.PSTEP010.BKUP
	STUL	NSLDSP.STUL.PRCK012L.PSTEP010.BKUP
NIGLDIOP	LONDISBA	NSLDSP.LOANDISA.PRCK009A.PSTEP010.BKUP
	LONDISBB	NSLDSP.LOANDISB.PRCK009B.PSTEP010.BKUP
	LONDISBC	NSLDSP.LOANDISC.PRCK009C.PSTEP010.BKUP
	LONDISBD	NSLDSP.LOANDISD.PRCK009D.PSTEP010.BKUP
	LONDISBE	NSLDSP.LOANDISE.PRCK009E.PSTEP010.BKUP
	LONDISBF	NSLDSP.LOANDISF.PRCK009F.PSTEP010.BKUP
	LONDISBG	NSLDSP.LOANDISG.PRCK009G.PSTEP010.BKUP
	LONDISBH	NSLDSP.LOANDISH.PRCK009H.PSTEP010.BKUP
	LONDISBI	NSLDSP.LOANDISI.PRCK009I.PSTEP010.BKUP
	LONDISBJ	NSLDSP.LOANDISJ.PRCK009J.PSTEP010.BKUP
	LONDISBK	NSLDSP.LOANDISK.PRCK009K.PSTEP010.BKUP
	LONDISBL	NSLDSP.LOANDISL.PRCK009L.PSTEP010.BKUP
NIGLBHOP	LENBRHOA	NSLDSP.LNBRHOLA.PRCK010A.PSTEP010.BKUP
	LENBRHOB	NSLDSP.LNBRHOLB.PRCK010B.PSTEP010.BKUP
	LENBRHOC	NSLDSP.LNBRHOLC.PRCK010C.PSTEP010.BKUP
	LENBRHOD	NSLDSP.LNBRHOLD.PRCK010D.PSTEP010.BKUP
	LENBRHOE	NSLDSP.LNBRHOLE.PRCK010E.PSTEP010.BKUP
	LENBRHOF	NSLDSP.LNBRHOLF.PRCK010F.PSTEP010.BKUP
	LENBRHOG	NSLDSP.LNBRHOLG.PRCK010G.PSTEP010.BKUP
	LENBRHOH	NSLDSP.LNBRHOLH.PRCK010H.PSTEP010.BKUP

	LENBRHOI	NSLDSP.LNBRHOLI.PRCK010I.PSTEP010.BKUP
	LENBRHOJ	NSLDSP.LNBRHOLJ.PRCK010J.PSTEP010.BKUP
	LENBRHOK	NSLDSP.LNBRHOLK.PRCK010K.PSTEP010.BKUP
	LENBRHOL	NSLDSP.LNBRHOLL.PRCK010L.PSTEP010.BKUP"
NIGGUAOP	GA	NSLDSP.PRCK0001.PSTEP020.GA.BKUP.TAPE
NIGPBOOP	PLUSNRO	NSLDSP.PRCK0003.PSTEP010.PLUSBRO.BKUP.TAPE
NIGPBNOP	PLUSBONM	NSLDSP.PRCK0003.PSTEP020.PLUSBONM.BKUP.TAPE
NIGPBSOP	PLUSBONO	NSLDSP.PRCK0003.PSTEP030.PLUSBONO.BKUP.TAPE
NIGPBLOP	PLUSLOAN	NSLDSP.PRCK0003.PSTEP040.PLUSLOAN.BKUP.TAPE
NIGSSSOP	STUSSN	NSLDSP.PRCK0005.PSTEP020.STUSSN.BKUP.TAPE
NIGLENOP	LENLN	NSLDSP.PRCK0007.PSTEP010.LENLN.BKUP.TAPE
NIGLBSOP	LENBRSVR	NSLDSP.PRCK0007.PSTEP020.LENBRSVR.BKUP.TAPE
NIGPRSOP	PRSNRSLT	NSLDSP.PRCK1000.PSTEP040.PRSNRSLT
NIGSDSOP	STDMSUPP	NSLDSP.PRCK1000.PSTEP020.STDMSUPP
NIGSDPOP	STDPRCTR	NSLDSP.PRCK1000.PSTEP020.STDPRCTR
NIGSTDOP	STUDEM	NSLDSP.PRCK1000.PSTEP020.STUDEM
NIGFPROP	FINPROF	NSLDSP.PRCK1000.PSTEP020.FINPROF
NIGPSCOP	PREFSCH	NSLDSP.PRCK1000.PSTEP020.PREFSCH
NIGSTBOP	STUBRA	NSLDSP.STUBRA.PRCK012A.PSTEP010.BKUP
	STUBRB	NSLDSP.STUBRB.PRCK012B.PSTEP010.BKUP
	STUBRC	NSLDSP.STUBRC.PRCK012C.PSTEP010.BKUP
	STUBRD	NSLDSP.STUBRD.PRCK012D.PSTEP010.BKUP
	STUBRE	NSLDSP.STUBRE.PRCK012E.PSTEP010.BKUP
	STUBRF	NSLDSP.STUBRF.PRCK012F.PSTEP010.BKUP
	STUBRG	NSLDSP.STUBRG.PRCK012G.PSTEP010.BKUP
	STUBRH	NSLDSP.STUBRH.PRCK012H.PSTEP010.BKUP
	STUBRI	NSLDSP.STUBRI.PRCK012I.PSTEP010.BKUP
	STUBRJ	NSLDSP.STUBRJ.PRCK012J.PSTEP010.BKUP
	STUBRK	NSLDSP.STUBRK.PRCK012K.PSTEP010.BKUP
	STUBRL	NSLDSP.STUBRL.PRCK012L.PSTEP010.BKUP
NIGLRFOP	LOANRFD	NSLDSP.PRCK0011.PSTEP010.LOANRFD.BKUP.TAPE
NIGSBDOP	SCHBRDUN	NSLDSP.PRCK0011.PSTEP020.SCHBRDUN.BKUP.TAPE

NIGSFNOP	STUFNMA	NSLDSP.PRCK013A.PSTEP010.STUFNMA.BKUP
	STUFNMB	NSLDSP.PRCK013B.PSTEP010.STUFNMB.BKUP
	STUFNMC	NSLDSP.PRCK013C.PSTEP010.STUFNMC.BKUP
	STUFNMD	NSLDSP.PRCK013D.PSTEP010.STUFNMD.BKUP
	STUFNME	NSLDSP.PRCK013E.PSTEP010.STUFNME.BKUP
	STUFNMF	NSLDSP.PRCK013F.PSTEP010.STUFNMF.BKUP
	STUFNMG	NSLDSP.PRCK013G.PSTEP010.STUFNMG.BKUP
	STUFNMH	NSLDSP.PRCK013H.PSTEP010.STUFNMH.BKUP
	STUFNMI	NSLDSP.PRCK013I.PSTEP010.STUFNMI.BKUP
	STUFNMJ	NSLDSP.PRCK013J.PSTEP010.STUFNMJ.BKUP
	STUFNMK	NSLDSP.PRCK013K.PSTEP010.STUFNMK.BKUP
	STUFNML	NSLDSP.PRCK013L.PSTEP010.STUFNML.BKUP
NIGDNMOP	DNM	NSLDSP.PRCK0014.PSTEP010.DNM.BKUP
NIGSPHOP	STUPH	NSLDSP.PRCK0014.PSTEP020.STUPH.BKUP
NIGSMAOP	STUMAIL	NSLDSP.PRCK0015.PSTEP010.STUMAIL.BKUP
NIGDADOP	DADDR	NSLDSP.PRCK0015.PSTEP020.DADDR.BKUP
NIGDSAOP	DSTRADDR	NSLDSP.PRCK0015.PSTEP030.DSTRADDR.BKUP
NIGDCIOP	DCITY	NSLDSP.PRCK0015.PSTEP040.DCITY.BKUP
NIGDPCOP	DPOSTCD	NSLDSP.PRCK0015.PSTEP050.DPOSTCD.BKUP
NIGSEAOP	STUEMAIL	NSLDSP.PRCK0016.PSTEP010.STUEMAIL.BKUP
NIGDEAOP	DEMLADDR	NSLDSP.PRCK0016.PSTEP020.DEMLADDR.BKUP
NIGDEDOP	DEMLDOM	NSLDSP.PRCK0016.PSTEP030.DEMLDOM.BKUP
NIGLDCOP	LNDSCHG	NSLDSP.PRCK0017.PSTEP030.LNDSCHG.BKUP
NIGLFOOP	LNFORBA	NSLDSP.PRCK0018A.PSTEP010.LNFORBA.BKUP
	LNFORBB	NSLDSP.PRCK0018B.PSTEP010.LNFORBB.BKUP
	LNFORBC	NSLDSP.PRCK0018C.PSTEP010.LNFORBC.BKUP
	LNFORBD	NSLDSP.PRCK0018D.PSTEP010.LNFORBD.BKUP
	LNFORBE	NSLDSP.PRCK0018E.PSTEP010.LNFORBE.BKUP
	LNFORBF	NSLDSP.PRCK0018F.PSTEP010.LNFORBF.BKUP
	LNFORBG	NSLDSP.PRCK0018G.PSTEP010.LNFORBG.BKUP
	LNFORBH	NSLDSP.PRCK0018H.PSTEP010.LNFORBH.BKUP
	LNFORBI	NSLDSP.PRCK0018I.PSTEP010.LNFORBI.BKUP

	LNFORBJ	NSLDSP.PRCK0018J.PSTEP010.LNFORBJ.BKUP
	LNFORBK	NSLDSP.PRCK0018K.PSTEP010.LNFORBK.BKUP
	LNFORBL	NSLDSP.PRCK0018L.PSTEP010.LNFORBL.BKUP

Table C-1: Message Classe and BAT IDs

Appendix C - NSLDS Table Structure

Table Name/Database	Attribute/Column Name	Field Format	Length	Start Position	End Position	Nullabl
AID_OVRPMT	STU_NO	Numeric	9	1	9	Option
AID_OVRPMT	STU_SEQ_NO	Numeric	3	10	12	Option
AID_OVRPMT	SCH_CODE	Character	6	13	18	Require
AID_OVRPMT	SCH_BR_CODE	Character	8	19	26	Require
AID_OVRPMT	AID_TYPE	Character	2	27	28	Require
AID_OVRPMT	DIS_DT	Date	8	29	36	Require
AID_OVRPMT	OVRPMT_IND	Character	1	37	37	Option
AID_OVRPMT	RPMT_DT	Date	8	38	45	Option
AID_OVRPMT	UPDT_USER_ID	Character	8	46	53	Option

AID_OVRPMT	SYS_CR_DT	Date	8	54	61	Option
AID_OVRPMT	UPDT_DT	Date	8	62	69	Option
AID_OVRPMT	SRC	Character	3	70	72	Option
AID_OVRPMT	REG_CODE	Character	2	73	74	Option
AID_OVRPMT	INACT_IND	Character	1	75	75	Option
AID_OVRPMT	BEG_TSTAMP	Timestamp	20	76	95	Require
AID_OVRPMT	END_TSTAMP	Timestamp	20	96	115	Option
D_ADDR	ID	Numeric	11	1	11	Option
D_ADDR	STR_ADD_NO_1	Numeric	11	12	22	Require
D_ADDR	STR_ADD_NO_2	Numeric	11	23	33	Require
D_ADDR	CITY_NO	Numeric	11	34	44	Require
D_ADDR	ST	Character	2	45	46	Require
D_ADDR	CNTRY	Character	2	47	48	Require
D_ADDR	POSTAL_CD_NO	Numeric	11	49	59	Require
D_CITY	ID	Numeric	11	1	11	Option
D_CITY	NM	Character	30	12	41	Require
D_EMAIL_ADDR	ID	Numeric	11	1	11	Option
D_EMAIL_ADDR	NM	Character	126	12	137	Require
D_EMAIL_ADDR	EMAIL_DOMAIN_ID	Numeric	11	138	148	Require
D_EMAIL_DOMAIN	ID	Numeric	11	1	11	Option

D_EMAIL_DOMAIN	NM	Character	126	12	137	Require
D_NM	ID	Numeric	11	1	11	Option
D_NM	NM	Character	40	12	51	Require
D_POSTAL_CD	ID	Numeric	11	1	11	Option
D_POSTAL_CD	NM	Character	17	12	28	Require
D_STR_ADDR	ID	Numeric	11	1	11	Option
D_STR_ADDR	NM	Character	40	12	51	Require
FINANC_PROF	STU_NO	Numeric	9	1	9	Require
FINANC_PROF	STU_SEQ_NO	Numeric	3	10	12	Require
FINANC_PROF	STU_DEM_CALNDR_YR	Numeric	4	13	16	Require
FINANC_PROF	STDM_SYS_CR_TSTAMP	Timestamp	20	17	36	Require
FINANC_PROF	CATG_CODE	Character	1	37	37	Require
FINANC_PROF	REST_ST	Character	2	38	39	Option
FINANC_PROF	FAM_MEM_CNT	Numeric	2	40	41	Option
FINANC_PROF	FAM_MEM_COLLG_CNT	Numeric	2	42	43	Option
FINANC_PROF	INCM_TAX_FORM_CODE	Character	1	44	44	Option

FINANC_PROF	ADJ_GRS_INCM	Numeric	8	45	52	Option
FINANC_PROF	INCM_TAX_PAID	Numeric	8	53	60	Option
FINANC_PROF	STU_EARN_INCM	Numeric	8	61	68	Option
FINANC_PROF	SPS_EARN_INCM	Numeric	8	69	76	Option
FINANC_PROF	FATH_EARN_INCM	Numeric	8	77	84	Option
FINANC_PROF	MOTH_EARN_INCM	Numeric	8	85	92	Option
FINANC_PROF	SS_BEN_INCM	Numeric	6	93	98	Option
FINANC_PROF	AFDC_ADC_INCM	Numeric	6	99	104	Option
FINANC_PROF	CHILD_SUPRT_AMT	Numeric	6	105	110	Option
FINANC_PROF	OTH_SRC_INCM	Numeric	6	111	116	Option
FINANC_PROF	EXCL_INCM	Numeric	6	117	122	Option
FINANC_PROF	TOT_CASH_AMT	Numeric	8	123	130	Option
FINANC_PROF	REAL_EST_VAL_AMT	Numeric	7	131	137	Option
FINANC_PROF	REAL_EST_DEBT_AMT	Numeric	7	138	144	Option
FINANC_PROF	BUS_VAL_AMT	Numeric	7	145	151	Option
FINANC_PROF	BUS_DEBT_AMT	Numeric	7	152	158	Option
FINANC_PROF	FARM_VAL_AMT	Numeric	7	159	165	Option
FINANC_PROF	FARM_DEBT_AMT	Numeric	7	166	172	Option
FINANC_PROF	TAX_FILE_STAT_CODE	Character	1	173	173	Option
FINANC_PROF	ELIG_1040A_EZ_CODE	Character	1	174	174	Option
FINANC_PROF	WORKSHEET_A_TOT	Numeric	8	175	182	Option

				183	190	
FINANC_PROF	WORKSHEET_B_TOT	Numeric	8			Option
FINANC_PROF	WORKSHEET_C_TOT	Numeric	8	191	198	Option
FINANC_PROF	INV_NET_WORTH_AMT	Numeric	6	199	204	Option
FINANC_PROF	BUS_NET_WORTH_AMT	Numeric	7	205	211	Option
FINANC_PROF	FARM_NET_WORTH_AMT	Numeric	7	212	218	Option
FINANC_PROF	BUS_FARM_NET_WORTH	Numeric	8	219	226	Option
FINANC_PROF	SUB_WRN_FLAG	Character	1	227	227	Option
FINANC_PROF	CMBN_WRN_FLAG	Character	1	228	228	Option
FINANC_PROF	EDUCD_CRED	Character	7	229	235	Option
FINANC_PROF	CHILD_SUP_PAID	Character	7	236	242	Option
FINANC_PROF	NEED_BASED_EMPLY	Character	7	243	249	Option
FINANC_PROF	GRT_SCHLR_AID	Character	7	250	256	Option
FINANC_PROF	COMBAT_PAY	Character	7	257	263	Option
FINANC_PROF	PNSN_PMT	Character	7	264	270	Option
FINANC_PROF	IRA_PMT	Character	7	271	277	Option
FINANC_PROF	CHILD_SUP_REC	Character	7	278	284	Option
FINANC_PROF	INT_INCM	Character	7	285	291	Option
FINANC_PROF	IRA_DISTR	Character	7	292	298	Option
FINANC_PROF	UNTAXED_PNSN	Character	7	299	305	Option
FINANC_PROF	MIL_CLGY_ALLW	Character	7	306	312	Option
FINANC_PROF	VA_NON_EDUC_BEN	Character	7	313	319	Option

				320	326	
FINANC_PROF	OTH_UNTAXED_INCM	Character	7			Option
FINANC_PROF	IRS_AGI_DATA_FLAG	Character	1	327	327	Option
FINANC_PROF	IRS_DSPL_FLAG	Character	1	328	328	Option
FINANC_PROF	IRS_FIT_DATA_FLAG	Character	1	329	329	Option
GA	CODE	Character	3	1	3	Require
GA	NM	Character	40	4	43	Option
GA	STR_ADD	Character	50	44	93	Option
GA	CITY	Character	20	94	113	Option
GA	ST	Character	2	114	115	Option
GA	ZIP_CODE	Character	9	116	124	Option
GA	ACT_CODE	Character	6	125	130	Option
GA	NM_ABBR	Character	12	131	142	Option
LEN	CODE	Character	6	1	6	Require
LEN	NM	Character	40	7	46	Option
LEN	STR_ADD	Character	50	47	96	Option

LEN	CITY	Character	20	97	116	Option
LEN	ST	Character	2	117	118	Option
LEN	ZIP_CODE	Character	9	119	127	Option
LEN	PH_NO	Character	10	128	137	Option
LEN	TYPE	Character	1	138	138	Option
LEN_BR_HOL	RESP_BEG_DT	Date	8	1	8	Option
LEN_BR_HOL	RESP_END_DT	Date	8	9	16	Option
LEN_BR_HOL	SYS_CR_DT	Date	8	17	24	Require
LEN_BR_HOL	LOAN_NO	Numeric	9	25	33	Require
LEN_BR_HOL	LEN_CODE	Character	6	34	39	Require
LEN_BR_HOL	ORIG_FEE_PAY_IND	Character	1	40	40	Option
LEN_BR_HOL	ORIG_LEN_IND	Character	1	41	41	Option
LEN_BR_HOL	VAL_IND	Character	1	42	42	Option
LEN_BR_HOL	LOAN_SEQ_NO	Numeric	3	43	45	Require
LEN_BR_HOL	ID_STU_SEQ_NO	Numeric	3	46	48	Require
LEN_BR_HOL	SEQ_NO	Numeric	3	49	51	Require
LEN_BR_SVR	CODE	Character	6	1	6	Require

LEN_BR_SVR	SYS_CR_DT	Date	8	7	14	Option
LEN_BR_SVR	NM	Character	40	15	54	Option
LEN_BR_SVR	STR_ADD	Character	50	55	104	Option
LEN_BR_SVR	CITY	Character	20	105	124	Option
LEN_BR_SVR	ST	Character	2	125	126	Option
LEN_BR_SVR	ZIP_CODE	Character	9	127	135	Option
LEN_BR_SVR	PH_NO	Character	12	136	147	Option
LOAN	NO	Numeric	9	1	9	Require
LOAN	DT	Date	8	10	17	Option
LOAN	FFEL_DUP_ID	Character	1	18	18	Option
LOAN	PER_BEG_DT	Date	8	19	26	Require
LOAN	PER_END_DT	Date	8	27	34	Option
LOAN	CURR_MAT_DT	Date	8	35	42	Require
LOAN	ACAD_LVL	Character	1	43	43	Option
LOAN	CURR_LOAN_STAT	Character	2	44	45	Require
LOAN	AMT	Numeric	6	46	51	Option
LOAN	OUT_PRIN_BAL	Numeric	6	52	57	Require
LOAN	OUT_PRIN_BAL_DT	Date	8	58	65	Option
LOAN	OUT_INT_BAL	Numeric	11	66	76	Option

LOAN	OUT_INT_BAL_DT	Date	8	77	84	Require
LOAN	INT_RT	Numeric	6	85	90	Option
LOAN	INT_RT_CODE	Character	1	91	91	Require
LOAN	SUB_IND	Character	1	92	92	Require
LOAN	ED_FFEL_REG_CODE	Character	2	93	94	Require
LOAN	CURR_DFR_START_DT	Date	8	95	102	Require
LOAN	CURR_DFR_STOP_DT	Date	8	103	110	Require
LOAN	CURR_DFR_TYPE	Character	2	111	112	Require
LOAN	CURR_LOAN_STAT_DT	Date	8	113	120	Require
LOAN	CURR_DIS_DT	Date	8	121	128	Require
LOAN	TOT_DIS	Numeric	6	129	134	Require
LOAN	CURR_CAN_DT	Date	8	135	142	Option
LOAN	TOT_CAN	Numeric	6	143	148	Option
LOAN	CURR_GA_CODE	Character	3	149	151	Option
LOAN	CURR_LEN_CODE	Character	6	152	157	Option
LOAN	CURR_LEN_SVR_CODE	Character	6	158	163	Option
LOAN	ORIG_LEN_CODE	Character	6	164	169	Option
LOAN	LEN_OF_LST_RST_IND	Character	1	170	170	Option
LOAN	SEQ_NO	Numeric	3	171	173	Option
LOAN	PLUS_BOR_TYPE	Character	1	174	174	Option
LOAN	SCH_CODE	Character	6	175	180	Option

LOAN	SCH_BR_CODE	Character	8	181	188	Option
LOAN	STU_NO	Numeric	9	189	197	Option
LOAN	STU_SEQ_NO	Numeric	3	198	200	Option
LOAN	ID_STU_SEQ_NO	Numeric	3	201	203	Option
LOAN	LOAN_TYPE	Character	2	204	205	Option
LOAN	SYS_CR_DT	Date	8	206	213	Option
LOAN	UPDT_DT	Date	8	214	221	Option
LOAN_DIS	DT	Date	8	1	8	Option
LOAN_DIS	SYS_CR_DT	Date	8	9	16	Option
LOAN_DIS	CUM_AMT	Numeric	6	17	22	Option
LOAN_DIS	LOAN_NO	Numeric	9	23	31	Option
LOAN_DIS	AMT_DIFF	Numeric	6	32	37	Option
LOAN_DIS	LOAN_SEQ_NO	Numeric	3	38	40	Option
LOAN_DIS	ID_STU_SEQ_NO	Numeric	3	41	43	Option
LOAN_RFD	REC_DT	Date	8	1	8	Option

LOAN_RFD	SYS_CR_DT	Date	8	9	16	Option
LOAN_RFD	CUM_LEN_RECD_AMT	Numeric	6	17	22	Option
LOAN_RFD	LOAN_NO	Numeric	9	23	31	Option
LOAN_RFD	LEN_RECD_AMT_DIFF	Numeric	6	32	37	Option
LOAN_RFD	LOAN_SEQ_NO	Numeric	3	38	40	Option
LOAN_RFD	ID_STU_SEQ_NO	Numeric	3	41	43	Option
PELL_GRT	STU_NO	Numeric	9	1	9	Option
PELL_GRT	STU_SEQ_NO	Numeric	3	10	12	Option
PELL_GRT	ATT_SCH_CODE	Character	6	13	18	Option
PELL_GRT	ATT_SCH_BR_CODE	Character	8	19	26	Option
PELL_GRT	TYPE	Character	2	27	28	Option
PELL_GRT	AWARD_YR	Character	4	29	32	Option
PELL_GRT	AWARD_SEQ_NO	Character	3	33	35	Option
PELL_GRT	RPT_SCH_CODE	Character	6	36	41	Option
PELL_GRT	RPT_SCH_BR_CODE	Character	8	42	49	Option
PELL_GRT	SCHED_AMT	Numeric	6	50	55	Option
PELL_GRT	AMT_PAID_TO_DT	Numeric	6	56	61	Option
PELL_GRT	REMN_AMT_TO_PAY	Numeric	6	62	67	Option
PELL_GRT	ENRL_DT	Date	8	68	75	Option

PELL_GRT	STU_ORG_SSN	Character	9	76	84	Option
PELL_GRT	STU_ORG_NM_CODE	Character	2	85	86	Option
PELL_GRT	SEG_NO	Character	2	87	88	Option
PELL_GRT	SEG_STAT	Character	2	89	90	Option
PELL_GRT	SEG_CR_DT	Date	8	91	98	Option
PELL_GRT	SEG_LST_UPD_DT	Date	8	99	106	Option
PELL_GRT	SEG_SCH_AS_OF_DT	Date	8	107	114	Option
PELL_GRT	SEG_BAT_NO	Numeric	9	115	123	Option
PELL_GRT	TRAN_NO	Character	2	124	125	Option
PELL_GRT	EXP_FAM_CONTRIB	Numeric	6	126	131	Require
PELL_GRT	SEC_FAM_CONTRIB	Character	6	132	137	Option
PELL_GRT	ACTD_SEC_EFF_CODE	Character	1	138	138	Option
PELL_GRT	ACTD_COST_OF_ATT	Numeric	6	139	144	Option
PELL_GRT	HIGH_COST_OF_ATT	Numeric	6	145	150	Option
PELL_GRT	ACTD_ACAD_CALNDR	Numeric	3	151	153	Option
PELL_GRT	ACTD_VERIF_STAT	Character	1	154	154	Option
PELL_GRT	ACTD_PMT_METHOD	Character	1	155	155	Option
PELL_GRT	ACTD_ENRL_CODE	Character	1	156	156	Require
PELL_GRT	HIGH_ACTD_ENRL_COD	Character	1	157	157	Option
PELL_GRT	ACTD_HRS_IN_SCH_YR	Numeric	4	158	161	Option

				162	162	
PELL_GRT	ACTD_INCARC_IND	Character	1			Require
PELL_GRT	ACTD_INCARC_ST	Character	2	163	164	Require
PELL_GRT	PCT_ELIG_USED_DECM	Numeric	8	165	172	Require
PELL_GRT	SEG_ELIG_USED	Numeric	8	173	180	Require
PELL_GRT	SEG_POTEN_OVRAWARD	Character	1	181	181	Require
PELL_GRT	SEG_OVRAWARD_DIS	Numeric	6	182	187	Require
PELL_GRT	ACTD_WKS_ENR	Numeric	3	188	190	Require
PELL_GRT	ACTD_WKS_IN_PROG	Numeric	3	191	193	Require
PELL_GRT	ACTD_CRDT_HRS_EXP	Numeric	4	194	197	Option
PELL_GRT	ACCPT_ORG_AMT	Numeric	6	198	203	Option
PELL_GRT	BAT_NO	Character	26	204	229	Require
PELL_GRT	TRAN_SEQ_NO	Numeric	6	230	235	Require
PELL_GRT	DIS_DT	Date	8	236	243	Require
PELL_GRT	RECD_DT	Date	8	244	251	Option
PELL_GRT	DIS_POST_DT	Date	8	252	259	Option

				260	260	
PELL_GRT	YR_IN_SCH	Character	1			Option
				261	281	
PELL_GRT	AWARD_ID	Character	21			Option
				282	288	
PELL_GRT	CIP_CD	Character	7			Require
				289	290	
PELL_GRT	ELIG_PMT_RSN_CD	Character	2			Option
				291	296	
PELL_GRT	HS_PROG_CD	Character	6			Require
				297	297	
PELL_GRT	ADD_ELIG_IND	Character	1			Require
				298	306	
PELL_GRT	LIFETM_ELIG_USED	Numeric	9			Require
PLUS_BOR	NO	Numeric	9	1	9	Require
PLUS_BOR	CURR_SSN	Character	9	10	18	Require
PLUS_BOR	CURR_PSEUDO_IND	Character	1	19	19	Require
PLUS_BOR	CURR_FST	Character	12	20	31	Require

PLUS_BOR	CURR_LST	Character	35	32	66	Require
PLUS_BOR	MID_INIT	Character	1	67	67	Option
PLUS_BOR	RES_ST	Character	2	68	69	Option
PLUS_BOR	DOB	Date	8	70	77	Option
PLUS_BOR	SEQ_NO	Numeric	3	78	80	Option
PLUS_BOR_LOAN	SYS_CR_DT	Date	8	1	8	Option
PLUS_BOR_LOAN	PLUS_BOR_NO	Numeric	9	9	17	Option
PLUS_BOR_LOAN	LOAN_NO	Numeric	9	18	26	Option
PLUS_BOR_LOAN	LOAN_SEQ_NO	Numeric	3	27	29	Option
PLUS_BOR_LOAN	PLUS_BOR_SEQ_NO	Numeric	3	30	32	Option
PLUS_BOR_LOAN	ID_STU_SEQ_NO	Numeric	3	33	35	Option
PLUS_BOR_NM	FST	Character	12	1	12	Option
PLUS_BOR_NM	LST	Character	35	13	47	Option
PLUS_BOR_NM	SYS_CR_DT	Date	8	48	55	Option
PLUS_BOR_NM	CURR_NM_IND	Character	1	56	56	Option
PLUS_BOR_NM	PLUS_BOR_NO	Numeric	9	57	65	Option
PLUS_BOR_NM	PLUS_BOR_SEQ_NO	Numeric	3	66	68	Option
PLUS_BOR_SSN	NO	Character	9	1	9	Option

PLUS_BOR_SSN	SYS_CR_DT	Date	8	10	17	Require
PLUS_BOR_SSN	PSEUDO_SSN_IND	Character	1	18	18	Option
PLUS_BOR_SSN	SRC	Character	8	19	26	Option
PLUS_BOR_SSN	CURR_SSN_IND	Character	1	27	27	Option
PLUS_BOR_SSN	PLUS_BOR_NO	Numeric	9	28	36	Option
PLUS_BOR_SSN	BOR_DOB	Date	8	37	44	Option
PLUS_BOR_SSN	PLUS_BOR_SEQ_NO	Numeric	3	45	47	Option
PREF_SCH	STU_NO	Numeric	9	1	9	Option
PREF_SCH	STU_SEQ_NO	Numeric	3	10	12	Option
PREF_SCH	STU_DEM_CALNDR_YR	Numeric	4	13	16	Option
PREF_SCH	STDM_SYS_CR_TSTAMP	Timestamp	20	17	36	Option
PREF_SCH	SCH_CODE	Character	6	37	42	Option
PREF_SCH	SCH_BR_CODE	Character	8	43	50	Option
PREF_SCH	NO	Numeric	1	51	51	Option
PREF_SCH	HOUSG_CODE	Character	1	52	52	Option
PREF_SCH	FAA_PROF_JUDG_IND	Character	1	53	53	Option
PREF_SCH	PELL_INSTIT_IND	Character	1	54	54	Option

Table	Field	Type	Length	Start	End	Req
PREF_SCH	CPS_TRAN_CODE	Character	2	55	56	Option
PREF_SCH	SYS_CR_TSTAMP	Timestamp	20	57	76	Option
PRSCRN_RSLT	APPL_CURR_SSN	Character	9	1	9	Option
PRSCRN_RSLT	APPL_FST_NM	Character	9	10	18	Option
PRSCRN_RSLT	APPL_LST_NM	Character	16	19	34	Option
PRSCRN_RSLT	APPL_CPS_DOB	Character	8	35	42	Option
PRSCRN_RSLT	APPL_CPS_AWARD_YR	Character	4	43	46	Option
PRSCRN_RSLT	SEQ_NO	Numeric	3	47	49	Option
PRSCRN_RSLT	RUN_DT	Date	8	50	57	Option
PRSCRN_RSLT	RUN_TM	Time	6	58	63	Option
PRSCRN_RSLT	CPS_SBMT_DT	Character	8	64	71	Option
PRSCRN_RSLT	CPS_CMPT_NO	Character	3	72	74	Option
PRSCRN_RSLT	CPS_ORIG_SSN	Character	9	75	83	Option
PRSCRN_RSLT	CPS_NM_ID	Character	2	84	85	Option
PRSCRN_RSLT	CPS_TRAN	Character	2	86	87	Option
PRSCRN_RSLT	CPS_BAT_NO	Character	4	88	91	Option

PRSCRN_RSLT	CPS_SER_NO	Character	5	92	96	Option
PRSCRN_RSLT	ADDL_LOAN_FLAG	Character	1	97	97	Option
PRSCRN_RSLT	ADDL_PELL_FLAG	Character	1	98	98	Option
PRSCRN_RSLT	MTCH_RSLT_IND	Character	1	99	99	Option
PRSCRN_RSLT	DCSD_FLAG	Character	1	100	100	Option
PRSCRN_RSLT	DEF_LOAN_FLAG	Character	1	101	101	Option
PRSCRN_RSLT	ACT_BNKRPT_FLAG	Character	1	102	102	Option
PRSCRN_RSLT	DSCHG_LOAN_CODE	Character	1	103	103	Option
PRSCRN_RSLT	SAT_ARRNG_FLAG	Character	1	104	104	Option
PRSCRN_RSLT	AGG_SUB_OPB	Character	6	105	110	Option
PRSCRN_RSLT	AGG_UNSUB_PRIN_BAL	Character	6	111	116	Option
PRSCRN_RSLT	AGG_CONSL_PRIN_BAL	Character	6	117	122	Option
PRSCRN_RSLT	AGG_SUB_PEND_DIS	Character	6	123	128	Option
PRSCRN_RSLT	AGG_UNSUB_PEND_DIS	Character	6	129	134	Option

PRSCRN_RSLT	AGG_SUB_TOT	Character	6	135	140	Option
PRSCRN_RSLT	AGG_UNSUB_TOT	Character	6	141	146	Option
PRSCRN_RSLT	AGG_CONSL_TOT	Character	6	147	152	Option
PRSCRN_RSLT	PERK_TOT_DIS	Character	6	153	158	Option
PRSCRN_RSLT	PERK_CURR_YR_DIS	Character	6	159	164	Option
PRSCRN_RSLT	PERK_EXP_LEN_FLAG	Character	1	165	165	Option
PRSCRN_RSLT	PERK_DIS_PRIOR_FLG	Character	1	166	166	Option
PRSCRN_RSLT	PELL_OVRPMT_IND	Character	1	167	167	Option
PRSCRN_RSLT	PELL_OVRPMT_CON_CD	Character	8	168	175	Option
PRSCRN_RSLT	SEOG_OVRPMT_IND	Character	1	176	176	Option
PRSCRN_RSLT	SEOG_OVRPMT_CON_CD	Character	8	177	184	Option
PRSCRN_RSLT	PERK_OVRPMT_IND	Character	1	185	185	Option

PRSCRN_RSLT	PERK_OVRPMT_CON_CD	Character	8	186	193	Option
PRSCRN_RSLT	DEF_LOAN_CHG_FLAG	Character	1	194	194	Option
PRSCRN_RSLT	DSCHG_LOAN_CHG_FLG	Character	1	195	195	Option
PRSCRN_RSLT	SAT_ARRNG_CHG_FLAG	Character	1	196	196	Option
PRSCRN_RSLT	ACT_BNKRPT_CHG_FLG	Character	1	197	197	Option
PRSCRN_RSLT	OVRPMT_CHG_FLAG	Character	1	198	198	Option
PRSCRN_RSLT	AGG_CHG_FLAG	Character	1	199	199	Option
PRSCRN_RSLT	PERK_CHG_FLAG	Character	1	200	200	Option
PRSCRN_RSLT	PELL_CHG_FLAG	Character	1	201	201	Option
PRSCRN_RSLT	PTSCRN_REQ_DT	Date	8	202	209	Option
PRSCRN_RSLT	PTSCRN_REQ_RSN_CD	Character	6	210	215	Option
PRSCRN_RSLT	PTSCRN_CPS_RJCT_CD	Character	2	216	217	Option

Col headers: Table, Field, Type, Length, Start, End, Usage.

Table	Field	Type	Len	Start	End	Usage
PRSCRN_RSLT	STU_NO	Numeric	9	218	226	Option
PRSCRN_RSLT	STU_SEQ_NO	Numeric	3	227	229	Option
PRSCRN_RSLT	PLUS_BOR_NO	Numeric	9	230	238	Option
PRSCRN_RSLT	PLUS_BOR_SEQ_NO	Numeric	3	239	241	Option
PRSCRN_RSLT	AGG_CMBN_TOT	Character	6	242	247	Option
PRSCRN_RSLT	AGG_CMBN_PND_DIS	Character	6	248	253	Option
PRSCRN_RSLT	AGG_CMBN_OUT_PRIN	Character	6	254	259	Option
PRSCRN_RSLT	DL_STFRD_MPN_CODE	Character	1	260	260	Option
PRSCRN_RSLT	FFEL_MPN_FLAG	Character	1	261	261	Option
PRSCRN_RSLT	FFEL_MPN_LEN_CODE	Character	6	262	267	Option
PRSCRN_RSLT	ACAD_LVL	Character	1	268	268	Option
PRSCRN_RSLT	CPS_RCD_TYPE	Character	1	269	269	Option

PRSCRN_RSLT	CPS_SEQ_NO	Character	5	270	274	Option
PRSCRN_RSLT	DEP_IND	Character	1	275	275	Option
PRSCRN_RSLT	DL_PLUS_MPN_CODE	Character	1	276	276	Option
PRSCRN_RSLT	EXCD_AGG_CMBN_LMT	Character	1	277	277	Option
PRSCRN_RSLT	EXCD_AGG_SUB_LMT	Character	1	278	278	Option
PRSCRN_RSLT	HEAL_DEN_FLAG	Character	1	279	279	Option
PRSCRN_RSLT	PLUS_DEN_FLAG	Character	1	280	280	Option
PRSCRN_RSLT	AGG_CNSL_UNAL_OPB	Character	6	281	286	Option
PRSCRN_RSLT	AGG_CNSL_UNAL_TOT	Character	6	287	292	Option
PRSCRN_RSLT	CPS_DEP_IND	Character	1	293	293	Option
PRSCRN_RSLT	CPS_GRAD_FLAG	Character	1	294	294	Option
PRSCRN_RSLT	CPS_GRD_LVL_COLLG	Character	1	295	295	Option
PRSCRN_RSLT	ADD_ACG_FLAG	Character	1	296	296	Option
PRSCRN_RSLT	ADD_SMRT_FLAG		1	297	297	Option
PRSCRN_RSLT	ACG_OVRPMT_IND	Character	1	298	298	Option
PRSCRN_RSLT	ACG_OVRPMT_CON_CD	Character	8	299	306	Option

PRSCRN_RSLT	SMRT_OVRPMT_IND	Character	1	307	307	Option
PRSCRN_RSLT	SMRT_OVRPMT_CON_CD	Character	8	308	315	Option
PRSCRN_RSLT	ACG_CHG_FLAG	Character	1	316	316	Option
PRSCRN_RSLT	SMRT_CHG_FLAG	Character	1	317	317	Option
PRSCRN_RSLT	DL_GRD_PLUS_MPN_CD	Character	1	318	318	Option
PRSCRN_RSLT	FRAUD_FLAG	Character	1	319	319	Option
PRSCRN_RSLT	FRAUD_CHG_FLG	Character	1	320	320	Option
PRSCRN_RSLT	GRAD_SUB_LMT_IND	Character	1	321	321	Option
PRSCRN_RSLT	GRAD_CMBN_LMT_IND	Character	1	322	322	Require
PRSCRN_RSLT	UGRAD_SUB_LMT_IND	Character	1	323	323	Option
PRSCRN_RSLT	UGRAD_CMBN_LMT_IND	Character	1	324	324	Option

PRSCRN_RSLT	UNUSUAL_ENRL_HIS_IND	Character	1	325	325	Option
SCH	CODE	Character	6	1	6	Option
SCH	SYS_CR_DT	Date	8	7	14	Option
SCH	PROG_LGTH	Numeric	3	15	17	Option
SCH	SCH_TYPE	Numeric	3	18	20	Option
SCH	NM	Character	65	21	85	Option
SCH	ETNC_CODE	Character	1	86	86	Require
SCH	TYPE_AND_CNTL		1	87	87	
SCH	CERT_TYPE	Character	1	88	88	Require
SCH	DEG_GRT_IND	Character	1	89	89	Require
SCH	ST	Character	2	90	91	Require
SCH_BR	SCH_CODE	Character	6	1	6	Require

				7	14	
SCH_BR	CODE	Character	8			Option
SCH_BR	NM	Character	65	15	79	Require
SCH_BR	STR_ADD	Character	50	80	129	Require
SCH_BR	CITY	Character	20	130	149	Require
SCH_BR	ST	Character	2	150	151	Require
SCH_BR	CNTRY	Character	20	152	171	Option
SCH_BR	ZIP_CODE	Character	9	172	180	Option
SCH_BR	SCH_NM	Character	65	181	245	Option
SCH_BR	ELIG_STAT_IND	Character	1	246	246	Option
SCH_BR	APPR_IND	Character	1	247	247	Option
SCH_BR	CONG_DIS	Character	8	248	255	Option
SCH_BR	SIC_CODE	Character	8	256	263	Option
SCH_BR	FAADS_CODE	Character	2	264	265	Option
SCH_BR	CNTY_CODE	Character	3	266	268	Option
SCH_BR	FORN_PROV_NM	Character	25	269	293	Require
SCH_BR	ACAD_CALNDR	Character	2	294	295	Require
SCH_BR	SRTY	Character	1	296	296	Require
SCH_BR	ED_REG_CODE	Character	2	297	298	Require
SCH_BR	LOC_RSN	Character	2	299	300	Option
SCH_BR	CURR_PELL_ID	Character	6	301	306	Option
SCH_BR	CURR_FFEL_ID	Character	6	307	312	Option

SCH_BR	CURR_FDSLP_ID	Character	6	313	318	Option
SCH_BR	CURR_CMPS_BASED_ID	Character	6	319	324	Option
SCH_BR	CURR_FED_SCH_CODE	Character	6	325	330	Option
SCH_BR	CURR_TIN	Character	9	331	339	Option
SCH_BR	COA_ACTN_CODE	Character	1	340	340	Option
SCH_BR	SCH_PROG_LGTH	Numeric	3	341	343	Option
SCH_BR	CLOSE_DT	Date	8	344	351	Option
SCH_BR	DSPR_DT	Date	8	352	359	Option
SCH_BR	PPA_EXEC_DT	Date	8	360	367	Option
SCH_BR	PPA_SENT_DT	Date	8	368	375	Option
SCH_BR	PPA_EXPR_DT	Date	8	376	383	Option
SCH_BR	INIT_APPR_DT	Date	8	384	391	Option
SCH_BR	COA_EFF_DT	Date	8	392	399	Option
SCH_BR	CURR_OPER_IND	Character	1	400	400	Option
SCH_BR	SYS_FUND_OFC	Character	1	401	401	Option
SCH_BR	BR_IND	Character	1	402	402	Option
SCH_BR	SCH_TYPE	Numeric	3	403	405	Option
SCH_BR	REINST_DT	Date	8	406	413	Option
SCH_BR_DUNS_NO	SCH_CODE	Character	6	1	6	Option
SCH_BR_DUNS_NO	SCH_BR_CODE	Character	8	7	14	Option

				15	22	
SCH_BR_DUNS_NO	SYS_BEG_DT	Date	8			Option
				23	24	
SCH_BR_DUNS_NO	TYPE	Character	2			Option
				25	34	
SCH_BR_DUNS_NO	NO	Character	10			Option
				35	42	
SCH_BR_DUNS_NO	SYS_END_DT	Date	8			Option
STU	NO	Numeric	9	1	9	Require
STU	CURR_SSN	Character	9	10	18	Option
STU	CURR_PSEUDO_IND	Character	1	19	19	Option
STU	CURR_FST	Character	12	20	31	Option
STU	CURR_LST	Character	35	32	66	Option
STU	MID_INIT	Character	1	67	67	Option
STU	DOB	Date	8	68	75	Option
STU	CITZ	Character	1	76	76	Option
STU	ST	Character	2	77	78	Option
STU	DRIV_LIC_ST	Character	2	79	80	Option
STU	DRIV_LIC_NO	Character	30	81	110	Option

STU	DEM_REQ_YR	Numeric	4	111	114	Option
STU	SEQ_NO	Numeric	3	115	117	Require
STU_BR	STU_NO	Numeric	9	1	9	Option
STU_BR	STU_SEQ_NO	Numeric	3	10	12	Option
STU_BR	SCH_CODE	Character	6	13	18	Option
STU_BR	SCH_BR_CODE	Character	8	19	26	Option
STU_BR	ENRL_CODE	Character	1	27	27	Option
STU_BR	EFF_DT	Date	8	28	35	Option
STU_BR	VAL_IND	Character	1	36	36	Option
STU_BR	ANTIC_COMPL_DT	Date	8	37	44	Option
STU_BR	SYS_CR_DT	Date	8	45	52	Option
STU_BR	CURR_CERT_DT	Date	8	53	60	Option
STU_DEM	STU_NO	Numeric	9	1	9	Option
STU_DEM	STU_SEQ_NO	Numeric	3	10	12	Option

STU_DEM	CALNDR_YR	Numeric	4	13	16	Option
STU_DEM	SYS_CR_TSTAMP	Timestamp	20	17	36	Option
STU_DEM	FAM_INCM	Numeric	7	37	43	Option
STU_DEM	EXP_FAM_CONTRIB	Numeric	7	44	50	Option
STU_DEM	DEP_IND	Character	1	51	51	Option
STU_DEM	PAR_MAR_STAT_CODE	Character	1	52	52	Option
STU_DEM	OLDEST_PAR_AGE	Numeric	3	53	55	Option
STU_DEM	MOTH_GRD_LVL_CODE	Character	1	56	56	Option
STU_DEM	FATH_GRD_LVL_CODE	Character	1	57	57	Option
STU_DEM	GENDER	Character	1	58	58	Option
STU_DEM	OVER_24_IND	Character	1	59	59	Option
STU_DEM	CITZ	Character	1	60	60	Option
STU_DEM	ALIEN_REGIS_NO	Character	9	61	69	Option
STU_DEM	MAR_STAT_IND	Character	1	70	70	Option
STU_DEM	MAR_STAT_CODE	Character	1	71	71	Option
STU_DEM	GRAD_PROF_STU_IND	Character	1	72	72	Option
STU_DEM	WARD_ORPHAN_IND	Character	1	73	73	Option
STU_DEM	LEGL_DEP_IND	Character	1	74	74	Option
STU_DEM	HAVE_DEP	Character	1	75	75	Option
STU_DEM	HAVE_CHILD	Character	1	76	76	Option

STU_DEM	DEP_PAID_CARE_CNT	Numeric	3	77	79	Option
STU_DEM	VA_IND	Character	1	80	80	Require
STU_DEM	VA_EDUC_BEN_AMT	Numeric	4	81	84	Require
STU_DEM	VA_EDUC_BEN_MO_CNT	Numeric	3	85	87	Require
STU_DEM	HS_GRAD_YR_MO	Numeric	6	88	93	Require
STU_DEM	GED_YR_MO	Numeric	6	94	99	Option
STU_DEM	COLLG_LVL_CODE	Character	2	100	101	Option
STU_DEM	DEG_CODE	Character	1	102	102	Require
STU_DEM	BACHLR_DEG_IND	Character	1	103	103	Require
STU_DEM	EXP_GRAD_DT	Date	8	104	111	Require
STU_DEM	CRS_OF_STUDY_CODE	Character	2	112	113	Require
STU_DEM	SAME_COLLG_IND	Character	1	114	114	Require
STU_DEM	DEP_OVRRD_CODE	Character	1	115	115	Option
STU_DEM	APPL_COMPL_DT	Date	8	116	123	Option
STU_DEM	SSN_IND	Character	1	124	124	Option
STU_DEM	SSN_CITZ_IND	Character	1	125	125	Option
STU_DEM	HS_DIPLM_GED_IND	Character	1	126	126	Option
STU_DEM	STR_ADD	Character	50	127	176	Option
STU_DEM	CITY	Character	20	177	196	Option
STU_DEM	ST	Character	2	197	198	Option
STU_DEM	ZIP_CODE	Character	9	199	207	Option

STU_DEM	FATH_SSN	Character	9	208	216	Option
STU_DEM	FATH_SSN_MTCH_IND	Character	1	217	217	Option
STU_DEM	FATH_LST_NM	Character	16	218	233	Option
STU_DEM	FATH_FST_INIT	Character	1	234	234	Option
STU_DEM	FATH_DOB	Date	8	235	242	Option
STU_DEM	MOTH_SSN	Character	9	243	251	Option
STU_DEM	MOTH_SSN_MTCH_IND	Character	1	252	252	Option
STU_DEM	MOTH_LST_NM	Character	16	253	268	Option
STU_DEM	MOTH_FST_INIT	Character	1	269	269	Option
STU_DEM	MOTH_DOB	Date	8	270	277	Option
STU_DEM	CPS_TRAN_CODE	Character	2	278	279	Option
STU_DEM	CPS_TRAN_SRC_CODE	Character	1	280	280	Option
STU_DEM	CPS_TRAN_DATA_TYPE	Character	1	281	281	Option
STU_DEM	CPS_SEQ_NO	Character	5	282	286	Option
STU_DEM	EMANC_MINOR	Character	1	287	287	Option
STU_DEM	HMLS_YTH_DTMND_SCH	Character	1	288	288	Option
STU_DEM	HMLS_YTH_DTMND_HUD	Character	1	289	289	Option
STU_DEM	AT_RISK_OF_HMLS	Character	1	290	290	Option
STU_DEM	STU_IRS_RQT_FLAG	Character	2	291	292	Option
STU_DEM	PAR_IRS_RQT_FLAG	Character	2	293	294	Option

STU_DEM_PROC_TRAN	STU_NO	Numeric	9	1	9	Option
STU_DEM_PROC_TRAN	STU_SEQ_NO	Numeric	3	10	12	Option
STU_DEM_PROC_TRAN	STU_DEM_CALNDR_YR	Numeric	4	13	16	Option
STU_DEM_PROC_TRAN	STDM_SYS_CR_TSTAMP	Timestamp	20	17	36	Option
STU_DEM_PROC_TRAN	CPS_TRAN_NO	Character	2	37	38	Option
STU_DEM_PROC_TRAN	DT_PROC	Date	8	39	46	Option
STU_DEM_SUPP	STU_NO		9	1	9	
STU_DEM_SUPP	STU_SEQ_NO		3	10	12	
STU_DEM_SUPP	STU_DEM_CALNDR_YR		4	13	16	
STU_DEM_SUPP	STDM_SYS_CR_TSTAMP		20	17	36	
STU_DEM_SUPP	ACT_DUTY		1	37	37	
STU_DEM_SUPP	ADDR_ONLY_CHG_FLAG		1	38	38	
STU_DEM_SUPP	APPL_DATA_SRC		1	39	39	
STU_DEM_SUPP	APPL_DATA_TYPE		1	40	40	
STU_DEM_SUPP	ASM_CITZ		1	41	41	
STU_DEM_SUPP	ASM_DOB_PRIOR		1	42	42	
STU_DEM_SUPP	ASM_FATH_INCM		8	43	50	
STU_DEM_SUPP	ASM_FATH_SSN_IND		1	51	51	
STU_DEM_SUPP	ASM_INCM		10	52	61	
STU_DEM_SUPP	ASM_LEGL_DEP_SPS		1	62	62	

STU_DEM_SUPP	ASM_MOTH_INCM		8	63	70	
STU_DEM_SUPP	ASM_MOTH_SSN_IND		1	71	71	
STU_DEM_SUPP	ASM_OVRRD_1		1	72	72	
STU_DEM_SUPP	ASM_OVRRD_2		1	73	73	
STU_DEM_SUPP	ASM_OVRRD_3		1	74	74	
STU_DEM_SUPP	ASM_OVRRD_4		1	75	75	
STU_DEM_SUPP	ASM_OVRRD_5		1	76	76	
STU_DEM_SUPP	ASM_OVRRD_6		1	77	77	
STU_DEM_SUPP	ASM_PAR_AGI		8	78	85	
STU_DEM_SUPP	ASM_PAR_COLLGE		1	86	86	
STU_DEM_SUPP	ASM_PAR_HSEHLD		2	87	88	
STU_DEM_SUPP	ASM_PAR_INCM		10	89	98	
STU_DEM_SUPP	ASM_PAR_MAR_STAT		1	99	99	
STU_DEM_SUPP	ASM_PAR_TAX_PAID		8	100	107	
STU_DEM_SUPP	ASM_SPS_INCM		8	108	115	
STU_DEM_SUPP	ASM_STU_AGI		8	116	123	
STU_DEM_SUPP	ASM_STU_COLLGE		1	124	124	
STU_DEM_SUPP	ASM_STU_HAVE_CHILD		3	125	127	
STU_DEM_SUPP	ASM_STU_HSEHLD		2	128	129	
STU_DEM_SUPP	ASM_STU_INCM		8	130	137	
STU_DEM_SUPP	ASM_STU_MAR_STAT		1	138	138	

STU_DEM_SUPP	ASM_STU_STAT_MAR		1	139	139
STU_DEM_SUPP	ASM_STU_TAX_PAID		8	140	147
STU_DEM_SUPP	AUTO_ZERO_EFC_IND		1	148	148
STU_DEM_SUPP	BAT_NO_PAR_SIGN		23	149	171
STU_DEM_SUPP	BAT_NO_STU_SIGN		23	172	194
STU_DEM_SUPP	CHG_CITZ_FLAG		1	195	195
STU_DEM_SUPP	CHG_DATA_REL_NO		1	196	196
STU_DEM_SUPP	CHG_DOB_FLAG		1	197	197
STU_DEM_SUPP	CMPT_BAT_NO		3	198	200
STU_DEM_SUPP	CMPT_EDT_FAIL_1		200	201	400
STU_DEM_SUPP	CMPT_EDT_FAIL_2		100	401	500
STU_DEM_SUPP	CORR_EFC		8	501	508
STU_DEM_SUPP	CORR_SRC		1	509	509
STU_DEM_SUPP	CORR_TRAN_NO		2	510	511
STU_DEM_SUPP	CORR_TRAN_SEQ_NO		2	512	513
STU_DEM_SUPP	CPS_PUSHED_ISIR		1	514	514
STU_DEM_SUPP	CRCTL_FLD_CORR		1	515	515
STU_DEM_SUPP	CRCTL_FLD_HILT		1	516	516
STU_DEM_SUPP	CUST_ID		9	517	525
STU_DEM_SUPP	DATA_ENTR_ERR		1	526	526
STU_DEM_SUPP	DEST_CODE		7	527	533

STU_DEM_SUPP	DHS_MATCH_FLAG		1	534	534	
STU_DEM_SUPP	DHS_MATCH_SENT_FLA		1	535	535	
STU_DEM_SUPP	DHS_SEC_MATCH_FLAG		1	536	536	
STU_DEM_SUPP	DHS_SEC_VRFY_NO		15	537	551	
STU_DEM_SUPP	DHS_VRFY_NO		15	552	566	
STU_DEM_SUPP	DOC_CNTL_NO		23	567	589	
STU_DEM_SUPP	DRIV_LIC_NO		20	590	609	
STU_DEM_SUPP	DRIV_LIC_ST		2	610	611	
STU_DEM_SUPP	DRUG_ABUSE_IND		1	612	612	
STU_DEM_SUPP	DRUG_OFFN		1	613	613	
STU_DEM_SUPP	DT_SEL_SERV_AGE		8	614	621	
STU_DEM_SUPP	DUP_SSN_IND		1	622	622	
STU_DEM_SUPP	EDX_SCH		6	623	628	
STU_DEM_SUPP	EFC_AAI		10	629	638	
STU_DEM_SUPP	EFC_AI		10	639	648	
STU_DEM_SUPP	EFC_APA		10	649	658	
STU_DEM_SUPP	EFC_ATI		8	659	666	
STU_DEM_SUPP	EFC_CHG_FLAG		1	667	667	
STU_DEM_SUPP	EFC_DNW		10	668	677	
STU_DEM_SUPP	EFC_EA		8	678	685	
STU_DEM_SUPP	EFC_FTI		10	686	695	

STU_DEM_SUPP	EFC_IPA		8	696	703	
STU_DEM_SUPP	EFC_NW		10	704	713	
STU_DEM_SUPP	EFC_PC		8	714	721	
STU_DEM_SUPP	EFC_PCA		8	722	729	
STU_DEM_SUPP	EFC_SATI		8	730	737	
STU_DEM_SUPP	EFC_SCA		8	738	745	
STU_DEM_SUPP	EFC_SDNW		10	746	755	
STU_DEM_SUPP	EFC_SEC_AAI		10	756	765	
STU_DEM_SUPP	EFC_SEC_AI		10	766	775	
STU_DEM_SUPP	EFC_SEC_APA		10	776	785	
STU_DEM_SUPP	EFC_SEC_ATI		8	786	793	
STU_DEM_SUPP	EFC_SEC_CAI		8	794	801	
STU_DEM_SUPP	EFC_SEC_DNW		10	802	811	
STU_DEM_SUPP	EFC_SEC_EA		8	812	819	
STU_DEM_SUPP	EFC_SEC_FTI		10	820	829	
STU_DEM_SUPP	EFC_SEC_IPA		8	830	837	
STU_DEM_SUPP	EFC_SEC_NW		10	838	847	
STU_DEM_SUPP	EFC_SEC_PC		8	848	855	
STU_DEM_SUPP	EFC_SEC_PCA		8	856	863	
STU_DEM_SUPP	EFC_SEC_SATI		8	864	871	
STU_DEM_SUPP	EFC_SEC_SCA		8	872	879	

STU_DEM_SUPP	EFC_SEC_SDNW		10	880	889
STU_DEM_SUPP	EFC_SEC_SIC		8	890	897
STU_DEM_SUPP	EFC_SEC_STI		10	898	907
STU_DEM_SUPP	EFC_SEC_STX		8	908	915
STU_DEM_SUPP	EFC_SEC_TI		10	916	925
STU_DEM_SUPP	EFC_SEC_TPC		8	926	933
STU_DEM_SUPP	EFC_SEC_TSC		8	934	941
STU_DEM_SUPP	EFC_SIC		8	942	949
STU_DEM_SUPP	EFC_STI		10	950	959
STU_DEM_SUPP	EFC_STX		8	960	967
STU_DEM_SUPP	EFC_TI		10	968	977
STU_DEM_SUPP	EFC_TPC		8	978	985
STU_DEM_SUPP	EFC_TSC		8	986	993
STU_DEM_SUPP	PRI_EFC_TYPE_FORM		1	994	994
STU_DEM_SUPP	ELEC_VER		6	995	1000
STU_DEM_SUPP	ELIG_STAT		1	1001	1001
STU_DEM_SUPP	EMAIL_ADD		50	1002	1051
STU_DEM_SUPP	FAA_SCH_CODE		6	1052	1057
STU_DEM_SUPP	FAA_SIGN		1	1058	1058
STU_DEM_SUPP	FATH_MATCH_SENT_FL		1	1059	1059
STU_DEM_SUPP	FATH_SSA_CITZ_IND		1	1060	1060

STU_DEM_SUPP	FATH_SSA_DT_OF_DEA		8	1061	1068
STU_DEM_SUPP	GRAD_FLAG		1	1069	1069
STU_DEM_SUPP	ID_CHG_FLAG		1	1070	1070
STU_DEM_SUPP	LEGL_RES_DT		6	1071	1076
STU_DEM_SUPP	LEGL_RES_JAN_02		1	1077	1077
STU_DEM_SUPP	MAR_STAT_DT		8	1078	1085
STU_DEM_SUPP	MATCH_DEP_STAT		1	1086	1086
STU_DEM_SUPP	MATCH_RESEND_FLAG		1	1087	1087
STU_DEM_SUPP	MOTH_MATCH_SENT_FL		1	1088	1088
STU_DEM_SUPP	MOTH_SSA_CITZ_IND		1	1089	1089
STU_DEM_SUPP	MOTH_SSA_DT_DEA		8	1090	1097
STU_DEM_SUPP	NSLDS_MATCH_FLAG		1	1098	1098
STU_DEM_SUPP	NSLDS_MAT_SENT_FL		1	1099	1099
STU_DEM_SUPP	NSLDS_POST_MAT_FL		6	1100	1105
STU_DEM_SUPP	PAR_DATA_CHG		1	1106	1106
STU_DEM_SUPP	PAR_EMAIL_ADD		50	1107	1156
STU_DEM_SUPP	PAR_EMAIL_NOTIF_FL		1	1157	1157
STU_DEM_SUPP	PAR_EXMPT		2	1158	1159
STU_DEM_SUPP	PAR_FOOD_STMP		1	1160	1160
STU_DEM_SUPP	PAR_LUN		1	1161	1161
STU_DEM_SUPP	PAR_MAR_STAT_DT		8	1162	1169

STU_DEM_SUPP	PAR_SIGN		1	1170	1170	
STU_DEM_SUPP	PAR_SSI		1	1171	1171	
STU_DEM_SUPP	PAR_ST_DT		6	1172	1177	
STU_DEM_SUPP	PAR_TANF		1	1178	1178	
STU_DEM_SUPP	PAR_TAX_FILE		1	1179	1179	
STU_DEM_SUPP	PAR_WIC		1	1180	1180	
STU_DEM_SUPP	PARS_LEGL_JAN_01		1	1181	1181	
STU_DEM_SUPP	PELL_SCH_CODE		6	1182	1187	
STU_DEM_SUPP	PH_NO		10	1188	1197	
STU_DEM_SUPP	PIN_FLAG		1	1198	1198	
STU_DEM_SUPP	POST_POP_WEB		5	1199	1203	
STU_DEM_SUPP	PRE_POP_WEB		7	1204	1210	
STU_DEM_SUPP	PREP_EIN		9	1211	1219	
STU_DEM_SUPP	PREP_SIGN		1	1220	1220	
STU_DEM_SUPP	PREP_SSN		9	1221	1229	
STU_DEM_SUPP	PROC_RCD_TYPE		1	1230	1230	
STU_DEM_SUPP	PROG_LGTH_CNTL_TYP		30	1231	1260	
STU_DEM_SUPP	RAN_VRFY_FLAG		1	1261	1261	
STU_DEM_SUPP	RAN_VRFY_NO		3	1262	1264	
STU_DEM_SUPP	REALTIME_TRAN		1	1265	1265	
STU_DEM_SUPP	REC_DT_APPL		8	1266	1273	

STU_DEM_SUPP	REJ_12_OVRRD		1	1274	1274
STU_DEM_SUPP	REJ_3_OVRRD		1	1275	1275
STU_DEM_SUPP	REJ_A_OVRRD		1	1276	1276
STU_DEM_SUPP	REJ_B_OVRRD		1	1277	1277
STU_DEM_SUPP	REJ_C_OVRRD		1	1278	1278
STU_DEM_SUPP	REJ_G_OVRRD		1	1279	1279
STU_DEM_SUPP	REJ_J_OVRRD		1	1280	1280
STU_DEM_SUPP	REJ_K_OVRRD		1	1281	1281
STU_DEM_SUPP	REJ_N_OVRRD		1	1282	1282
STU_DEM_SUPP	REJ_RSNS		14	1283	1296
STU_DEM_SUPP	REJ_STAT_CHG_FLAG		1	1297	1297
STU_DEM_SUPP	REJ_W_OVRRD		1	1298	1298
STU_DEM_SUPP	REPROC_RSN_CODE		2	1299	1300
STU_DEM_SUPP	SAR_ACK_CMT_CODE		20	1301	1320
STU_DEM_SUPP	SAR_C_CHG_FLAG		1	1321	1321
STU_DEM_SUPP	SAR_C_FLAG		1	1322	1322
STU_DEM_SUPP	SAR_CMT_CODE		60	1323	1382
STU_DEM_SUPP	SCHL_CHG_FLAG		1	1383	1383
STU_DEM_SUPP	SCHL_PAR_SIGN		6	1384	1389
STU_DEM_SUPP	SCH_STU_SIGN		6	1390	1395

				1396	1402
STU_DEM_SUPP	SEC_EFC		7		
STU_DEM_SUPP	SSR_REG_FLAG		1	1403	1403
STU_DEM_SUPP	SSR_REG_REQ		1	1404	1404
STU_DEM_SUPP	SSR_SAR_FLAG		1	1405	1405
STU_DEM_SUPP	SEQ_NO		4	1406	1409
STU_DEM_SUPP	SIGN_BY		1	1410	1410
STU_DEM_SUPP	SIMP_NEED		1	1411	1411
STU_DEM_SUPP	SOL_CORR_FLAG		1	1412	1412
STU_DEM_SUPP	SORT_DEST_CODE		7	1413	1419
STU_DEM_SUPP	SORT_ETI_CODE		1	1420	1420
STU_DEM_SUPP	SPCL_HAND		1	1421	1421
STU_DEM_SUPP	SSM_SENT_FLAG		1	1422	1422
STU_DEM_SUPP	SSM_FLAG		1	1423	1423
STU_DEM_SUPP	SSN_CHG_FLAG		1	1424	1424
STU_DEM_SUPP	SSA_DT_OF_DEA		8	1425	1432
STU_DEM_SUPP	SSN_MATCH_SENT_FLA		1	1433	1433
STU_DEM_SUPP	SSR_SENT_FLAG		1	1434	1434
STU_DEM_SUPP	STU_CURR_SSN		9	1435	1443
STU_DEM_SUPP	STU_EMAIL_NOTIF_FL		1	1444	1444
STU_DEM_SUPP	STU_FOOD_STMP		1	1445	1445

STU_DEM_SUPP	STU_LUNCH		1	1446	1446	
STU_DEM_SUPP	STU_NO_EXMPT		2	1447	1448	
STU_DEM_SUPP	STU_SIGN		1	1449	1449	
STU_DEM_SUPP	STU_SSI		1	1450	1450	
STU_DEM_SUPP	STU_TANF		1	1451	1451	
STU_DEM_SUPP	STU_TAX_FILE		1	1452	1452	
STU_DEM_SUPP	STU_WIC		1	1453	1453	
STU_DEM_SUPP	TRAN_REC_DT		8	1454	1461	
STU_DEM_SUPP	SAR_SORT_TYPE		6	1462	1467	
STU_DEM_SUPP	VA_MATCH_FLAG		1	1468	1468	
STU_DEM_SUPP	VA_MATCH_SENT_FLAG		1	1469	1469	
STU_DEM_SUPP	VRFY_EST_TAX_PAID		7	1470	1476	
STU_DEM_SUPP	VRFY_MET_FLAG		138	1477	1614	
STU_DEM_SUPP	VRFY_SCORE		4	1615	1618	
STU_DEM_SUPP	VRFY_SEL_CHG_FLAG		1	1619	1619	
STU_DEM_SUPP	VRFY_SEL_FLAG		1	1620	1620	
STU_DEM_SUPP	VRFY_TRAN		2	1621	1622	
STU_DEM_SUPP	WEB_CPS_OVRRD_1		1	1623	1623	
STU_DEM_SUPP	WEB_CPS_OVRRD_10		1	1624	1624	
STU_DEM_SUPP	WEB_CPS_OVRRD_2		1	1625	1625	
STU_DEM_SUPP	WEB_CPS_OVRRD_3		1	1626	1626	

STU_DEM_SUPP	WEB_CPS_OVRRD_4		1	1627	1627
STU_DEM_SUPP	WEB_CPS_OVRRD_5		1	1628	1628
STU_DEM_SUPP	WEB_CPS_OVRRD_6		1	1629	1629
STU_DEM_SUPP	WEB_CPS_OVRRD_7		1	1630	1630
STU_DEM_SUPP	WEB_CPS_OVRRD_8		1	1631	1631
STU_DEM_SUPP	WEB_CPS_OVRRD_9		1	1632	1632
STU_DEM_SUPP	WEB_HOL_FLAG		1	1633	1633
STU_DEM_SUPP	WEB_OVRRD_1		1	1634	1634
STU_DEM_SUPP	WEB_OVRRD_10		1	1635	1635
STU_DEM_SUPP	WEB_OVRRD_11		1	1636	1636
STU_DEM_SUPP	WEB_OVRRD_12		1	1637	1637
STU_DEM_SUPP	WEB_OVRRD_13		1	1638	1638
STU_DEM_SUPP	WEB_OVRRD_14		1	1639	1639
STU_DEM_SUPP	WEB_OVRRD_2		1	1640	1640
STU_DEM_SUPP	WEB_OVRRD_3		1	1641	1641
STU_DEM_SUPP	WEB_OVRRD_4		1	1642	1642
STU_DEM_SUPP	WEB_OVRRD_5		1	1643	1643
STU_DEM_SUPP	WEB_OVRRD_6		1	1644	1644
STU_DEM_SUPP	WEB_OVRRD_7		1	1645	1645
STU_DEM_SUPP	WEB_OVRRD_8		1	1646	1646
STU_DEM_SUPP	WEB_OVRRD_9		1	1647	1647

STU_DEM_SUPP	WEB_PIN_REQ_FLAG		1	1648	1648
STU_DEM_SUPP	WRK_STUDY_LOAN		1	1649	1649
STU_DEM_SUPP	SEC_EFC_TYPE_FORM		1	1650	1650
STU_DEM_SUPP	ELEC_SCH_IND		1	1651	1651
STU_DEM_SUPP	ELEC_TRAN_IND		32	1652	1683
STU_DEM_SUPP	ETI_DEST_CODE		224	1684	1907
STU_DEM_SUPP	ETI_SCH_ALT_ST_CD		20	1908	1927
STU_DEM_SUPP	ST_AGCY_FMT_CODE		22	1928	1949
STU_DEM_SUPP	CHG_FLAG		26	1950	1975
STU_DEM_SUPP	ALPHA_REJ_FLAG		26	1976	2001
STU_DEM_SUPP	FLD_CORR_FLAG		195	2002	2196
STU_DEM_SUPP	FLD_HILT_FLAG		195	2197	2391
STU_DEM_SUPP	FLD_VRFY_FLAG		195	2392	2586
STU_DEM_SUPP	EFC_CAI		8	2587	2594
STU_DEM_SUPP	REJ_4_OVRRD		1	2595	2595
STU_DEM_SUPP	REJ_20_OVRRD		1	2596	2596
STU_DEM_SUPP	PAR_PEND_PAS_SSA_MATCH_FLAG		1	2597	2597
STU_DEM_SUPP	STU_PEND_PAS_SSA_MATCH_FLAG		1	2598	2598
STU_DEM_SUPP	HS_CODE		12	2599	2610
STU_DEM_SUPP	HS_NM		50	2611	2660
STU_DEM_SUPP	HS_CITY		28	2661	2688

STU_DEM_SUPP	HS_ST		2	2689	2690	
STU_DEM_SUPP	HS_FLAG		1	2691	2691	
STU_DEM_SUPP	IP_ADDR		39	2692	2730	
STU_DEM_SUPP	STU_SPS_DSLOC_WRKR		1	2731	2731	
STU_DEM_SUPP	PAR_DSLOC_WRKR		1	2732	2732	
STU_DEM_SUPP	DOD_MCH_PAR_DT_DEA		8	2733	2740	
STU_EMAIL_ADDR	STU_NO	Numeric	9	1	9	Option
STU_EMAIL_ADDR	STU_SEQ_NO	Numeric	3	10	12	Option
STU_EMAIL_ADDR	SRC	Character	8	13	20	Option
STU_EMAIL_ADDR	EMAIL_ID	Numeric	11	21	31	Option
STU_EMAIL_ADDR	GOOD_FLAG	Character	1	32	32	Option
STU_EMAIL_ADDR	EFF_DT	Date	8	33	40	Option
STU_FULL_NM	STU_NO	Numeric	9	1	9	Option
STU_FULL_NM	STU_SEQ_NO	Numeric	3	10	12	Option
STU_FULL_NM	SRC	Character	8	13	20	Option

STU_FULL_NM	FST_NM_ID	Numeric	11	21	31	Require
STU_FULL_NM	MID_NM_ID	Numeric	11	32	42	Option
STU_FULL_NM	LST_NM_ID	Numeric	11	43	53	Option
STU_FULL_NM	SYS_CR_DT	Date	8	54	61	Option
STU_FULL_NM	CURR_FOR_SRC_FLAG	Character	1	62	62	Option
STU_FULL_NM	CURR_FLAG	Character	1	63	63	Require
STU_MAIL_ADDR	STU_NO	Numeric	9	1	9	Option
STU_MAIL_ADDR	STU_SEQ_NO	Numeric	3	10	12	Option
STU_MAIL_ADDR	SRC	Character	8	13	20	Option
STU_MAIL_ADDR	ADDR_ID	Numeric	11	21	31	Option
STU_MAIL_ADDR	GOOD_FLAG	Character	1	32	32	Option
STU_MAIL_ADDR	EFF_DT	Date	8	33	40	Option
STU_PH	STU_NO	Numeric	9	1	9	Option
STU_PH	STU_SEQ_NO	Numeric	3	10	12	Option
STU_PH	SRC	Character	8	13	20	Option
STU_PH	TYPE	Character	1	21	21	Option
STU_PH	PH_NO	Character	11	22	32	Option
STU_PH	CNTRY_CALL_CODE	Character	3	33	35	Option
STU_PH	PREF_FLAG	Character	1	36	36	Option
STU_SSN	NO	Character	9	1	9	Require
STU_SSN	PSEUDO_SSN_IND	Character	1	10	10	Option
STU_SSN	CURR_SSN_IND	Character	1	11	11	Option
STU_SSN	SYS_CR_DT	Date	8	12	19	Option

STU_SSN	SRC	Character	8	20	27	Option
STU_SSN	STU_NO	Numeric	9	28	36	Option
STU_SSN	STU_DOB	Date	8	37	44	Option
STU_SSN	STU_SEQ_NO	Numeric	3	45	47	Option
LOAN_DISCHARGE	LOAN_NO	Numeric	9	1	9	Require
LOAN_DISCHARGE	ID_STU_SEQ_NO	Numeric	3	10	12	Option
LOAN_DISCHARGE	LOAN_SEQ_NO	Numeric	3	13	15	Require
LOAN_DISCHARGE	DT	Date	8	16	23	Option
LOAN_DISCHARGE	SEQ_NO	Numeric	2	24	25	Option
LOAN_DISCHARGE	SYS_CR_DT	Date	8	26	33	Option
LOAN_DISCHARGE	TYPE	Character	4	34	37	Option
LOAN_DISCHARGE	CUM_AMT	Numeric	6	38	43	Option
LOAN_DISCHARGE	SRC	Character	3	44	46	Option
LOAN_DISCHARGE	VAL_IND	Character	1	47	47	Option
LOAN_DISCHARGE	POST_DT	Date	8	48	55	Option
LOAN_DISCHARGE	AMT_APPLIED_OPB	Numeric	6	56	61	Option
LOAN_DISCHARGE	AMT_APPLIED_OIB	Numeric	6	62	67	Option
LOAN_DISCHARGE	PART_FULL_IND	Character	1	68	68	Option
LOAN_DISCHARGE	SCH_CODE	Character	6	69	74	Option
LOAN_DISCHARGE	SCH_BR_CODE	Character	8	75	82	Option
LOAN_FORBEAR	LOAN_NO	Numeric	9	1	9	Require
LOAN_FORBEAR	ID_STU_SEQ_NO	Numeric	3	10	12	Option
LOAN_FORBEAR	LOAN_SEQ_NO	Numeric	3	13	15	Require
LOAN_FORBEAR	START_DT	Date	8	16	23	Option
LOAN_FORBEAR	STOP_DT	Date	8	24	31	Option
LOAN_FORBEAR	SYS_CR_DT	Date	8	32	39	Option
LOAN_FORBEAR	TYPE	Character	2	40	41	Option
LOAN_FORBEAR	OPB_AT_START	Numeric	6	42	47	Option
LOAN_FORBEAR	OIB_AT_START	Numeric	6	48	53	Option

Appendix D - File Volumes

Based on files from October 2019

FILE	UNCOMPPRESSED SIZE (Bytes)	COMPRESSED SIZE (Bytes)	COMPRESSION
NSLDSP_AIDOVPMT.DAT	321,986,188	79,492,361	75.31%
NSLDSP_DADDR.DAT	17,659,973,632	5,383,631,669	69.52%
NSLDSP_DCITY.DAT	40,019,232	11,366,998	71.60%
NSLDSP_DEMLADDR.DAT	13,711,781,160	1,641,982,302	88.03%
NSLDSP_DEMLDOM.DAT	152,188,759	17,164,857	88.72%
NSLDSP_DNM.DAT	454,066,444	111,673,964	75.41%
NSLDSP_DPOSTCD.DAT	709,627,797	261,557,280	63.14%
NSLDSP_DSTRADDR.DAT	8,236,829,982	2,465,368,129	70.07%
NSLDSP_FINPROF.DAT	1,710,789,444	132,056,612	92.28%
NSLDSP_GA.DAT	12,155	4,421	63.63%
NSLDSP_LENBRSVR.DAT	36,112	11,933	66.96%
NSLDSP_LENLN.DAT	4,419,644	1,246,224	71.80%
NSLDSP_LNBRHOLA.DAT	3,462,294,576	699,460,028	79.80%
NSLDSP_LNBRHOLB.DAT	2,866,291,012	590,892,748	79.38%
NSLDSP_LNBRHOLC.DAT	2,957,940,492	607,426,369	79.46%
NSLDSP_LNBRHOLD.DAT	3,513,843,320	692,591,834	80.29%
NSLDSP_LNBRHOLE.DAT	3,446,716,780	695,983,154	79.81%
NSLDSP_LNBRHOLF.DAT	3,755,341,616	752,245,610	79.97%
NSLDSP_LNBRHOLG.DAT	3,851,711,188	752,917,860	80.45%
NSLDSP_LNBRHOLH.DAT	3,907,344,272	774,197,889	80.19%
NSLDSP_LNBRHOLI.DAT	3,659,004,804	728,626,562	80.09%
NSLDSP_LNBRHOLJ.DAT	3,659,588,036	713,969,025	80.49%
NSLDSP_LNBRHOLK.DAT	3,807,355,760	751,607,856	80.26%
NSLDSP_LNBRHOLL.DAT	3,899,799,696	784,652,056	79.88%
NSLDSP_LNDSCHG.DAT	721,588,803	147,913,462	79.50%
NSLDSP_LNFORBA.DAT	2,431,880,118	359,677,560	85.21%
NSLDSP_LNFORBB.DAT	2,725,482,276	399,362,882	85.35%
NSLDSP_LNFORBC.DAT	2,314,232,694	339,210,673	85.34%
NSLDSP_LNFORBD.DAT	3,576,605,976	506,445,922	85.84%
NSLDSP_LNFORBE.DAT	3,743,700,282	536,550,064	85.67%
NSLDSP_LNFORBF.DAT	3,521,697,372	506,568,453	85.62%
NSLDSP_LNFORBG.DAT	4,166,668,134	600,016,338	85.60%
NSLDSP_LNFORBH.DAT	3,254,663,214	480,548,081	85.24%
NSLDSP_LNFORBI.DAT	3,007,077,156	441,131,645	85.33%
NSLDSP_LNFORBJ.DAT	3,261,104,118	489,624,992	84.99%
NSLDSP_LNFORBK.DAT	3,626,629,362	518,532,701	85.70%
NSLDSP_LNFORBL.DAT	3,409,963,380	486,689,890	85.73%
NSLDSP_LOANA.DAT	8,576,782,188	1,913,253,658	77.69%

NSLDSP_LOANB.DAT	8,405,070,072	1,891,315,526	77.50%
NSLDSP_LOANC.DAT	8,397,319,830	1,857,377,644	77.88%
NSLDSP_LOAND.DAT	10,270,577,808	2,291,818,142	77.69%
NSLDSP_LOANDISA.DAT	2,690,311,455	774,683,226	71.20%
NSLDSP_LOANDISB.DAT	2,623,827,825	768,406,678	70.71%
NSLDSP_LOANDISC.DAT	2,639,115,585	755,642,434	71.37%
NSLDSP_LOANDISD.DAT	3,324,298,230	967,768,574	70.89%
NSLDSP_LOANDISE.DAT	2,909,849,535	851,177,690	70.75%
NSLDSP_LOANDISF.DAT	3,057,227,010	898,038,008	70.63%
NSLDSP_LOANDISG.DAT	3,072,461,580	901,143,097	70.67%
NSLDSP_LOANDISH.DAT	2,390,569,965	718,711,373	69.94%
NSLDSP_LOANDISI.DAT	2,578,042,845	759,811,294	70.53%
NSLDSP_LOANDISJ.DAT	2,762,634,960	820,227,441	70.31%
NSLDSP_LOANDISK.DAT	2,125,777,050	648,102,385	69.51%
NSLDSP_LOANDISL.DAT	5,327,909,640	1,523,139,286	71.41%
NSLDSP_LOANE.DAT	8,945,248,242	2,012,651,241	77.50%
NSLDSP_LOANF.DAT	9,561,296,466	2,150,696,756	77.51%
NSLDSP_LOANG.DAT	9,683,439,090	2,167,185,577	77.62%
NSLDSP_LOANH.DAT	7,783,345,752	1,792,663,190	76.97%
NSLDSP_LOANI.DAT	8,215,439,448	1,845,847,430	77.53%
NSLDSP_LOANJ.DAT	8,366,615,232	1,913,851,930	77.13%
NSLDSP_LOANK.DAT	6,612,609,882	1,554,791,105	76.49%
NSLDSP_LOANL.DAT	15,588,698,808	3,431,872,626	77.98%
NSLDSP_LOANRFD.DAT	288,523,136	116,634,173	59.58%
NSLDSP_PELLGRTA.DAT	2,999,507,888	609,775,484	79.67%
NSLDSP_PELLGRTB.DAT	3,703,520,902	744,736,604	79.89%
NSLDSP_PELLGRTC.DAT	2,636,105,848	539,215,821	79.54%
NSLDSP_PELLGRTD.DAT	4,665,817,621	949,986,622	79.64%
NSLDSP_PELLGRTE.DAT	3,575,747,502	748,225,704	79.07%
NSLDSP_PELLGRTF.DAT	3,886,485,841	801,826,412	79.37%
NSLDSP_PELLGRTG.DAT	4,266,281,374	861,522,212	79.81%
NSLDSP_PELLGRTH.DAT	3,901,640,589	808,295,106	79.28%
NSLDSP_PELLGRTI.DAT	2,899,856,916	598,655,916	79.36%
NSLDSP_PELLGRTJ.DAT	3,537,989,879	735,661,277	79.21%
NSLDSP_PELLGRTK.DAT	3,087,812,447	680,383,366	77.97%
NSLDSP_PELLGRTL.DAT	12,502,298,700	2,478,905,624	80.17%
NSLDSP_PLUSBONM.DAT	692,449,224	182,575,610	73.63%
NSLDSP_PLUSBONO.DAT	439,050,432	146,669,296	66.59%
NSLDSP_PLUSLOAN.DAT	796,418,892	250,117,270	68.59%
NSLDSP_PLUSNRO.DAT	739,348,560	231,844,524	68.64%
NSLDSP_PREFSCH.DAT	494,387,432	110,737,234	77.60%
NSLDSP_PRSNRSLT.DAT	611,805,830	98,197,893	83.95%
NSLDSP_SCHBR.DAT	23,344,218	4,268,700	81.71%

NSLDSP_SCHBRDUN.DAT	1,056,940	306,176	71.03%
NSLDSP_SCHOOL.DAT	1,841,196	441,413	76.03%
NSLDSP_STDMSUPP.DAT	7,170,143,526	758,482,209	89.42%
NSLDSP_STDPRCTR.DAT	122,946,642	34,234,660	72.15%
NSLDSP_STUA.DAT	910,715,386	226,279,890	75.15%
NSLDSP_STUB.DAT	911,558,968	227,142,720	75.08%
NSLDSP_STUBRA.DAT	1,041,911,537	307,472,505	70.49%
NSLDSP_STUBRB.DAT	1,049,887,287	313,907,181	70.10%
NSLDSP_STUBRC.DAT	1,076,979,949	316,262,998	70.63%
NSLDSP_STUBRD.DAT	1,001,712,293	295,519,969	70.50%
NSLDSP_STUBRE.DAT	966,641,502	284,483,930	70.57%
NSLDSP_STUBRF.DAT	1,006,840,075	295,989,377	70.60%
NSLDSP_STUBRG.DAT	1,065,214,330	306,420,209	71.23%
NSLDSP_STUBRH.DAT	1,129,389,014	330,104,042	70.77%
NSLDSP_STUBRI.DAT	1,060,314,017	308,118,945	70.94%
NSLDSP_STUBRJ.DAT	1,276,313,187	378,679,604	70.33%
NSLDSP_STUBRK.DAT	974,610,969	295,579,060	69.67%
NSLDSP_STUBRL.DAT	931,827,765	281,791,764	69.76%
NSLDSP_STUC.DAT	843,755,932	203,038,028	75.94%
NSLDSP_STUD.DAT	1,059,891,458	259,636,520	75.50%
NSLDSP_STUDEM.DAT	771,686,370	174,103,364	77.44%
NSLDSP_STUE.DAT	875,937,010	211,644,640	75.84%
NSLDSP_STUEMAIL.DAT	6,743,033,840	1,939,350,257	71.24%
NSLDSP_STUF.DAT	976,170,812	245,029,117	74.90%
NSLDSP_STUFNMA.DAT	1,034,619,022	289,459,157	72.02%
NSLDSP_STUFNMB.DAT	1,012,341,280	285,372,233	71.81%
NSLDSP_STUFNMC.DAT	961,975,182	267,701,012	72.17%
NSLDSP_STUFNMD.DAT	1,084,578,540	299,067,657	72.43%
NSLDSP_STUFNME.DAT	1,095,393,568	300,604,466	72.56%
NSLDSP_STUFNMF.DAT	1,162,413,264	320,671,606	72.41%
NSLDSP_STUFNMG.DAT	1,331,807,774	364,205,336	72.65%
NSLDSP_STUFNMH.DAT	1,112,793,684	311,923,010	71.97%
NSLDSP_STUFNMI.DAT	1,156,301,630	320,006,745	72.32%
NSLDSP_STUFNMJ.DAT	1,287,679,866	369,473,474	71.31%
NSLDSP_STUFNMK.DAT	1,235,426,912	336,319,900	72.78%
NSLDSP_STUFNML.DAT	1,358,598,380	372,358,597	72.59%
NSLDSP_STUG.DAT	991,574,178	242,715,516	75.52%
NSLDSP_STUH.DAT	831,154,004	199,547,720	75.99%
NSLDSP_STUI.DAT	803,592,862	194,588,756	75.79%
NSLDSP_STUJ.DAT	878,215,236	216,548,857	75.34%
NSLDSP_STUK.DAT	780,616,138	196,161,144	74.87%
NSLDSP_STUL.DAT	2,137,242,668	533,842,398	75.02%
NSLDSP_STUMAIL.DAT	18,951,490,270	5,913,864,880	68.79%

NSLDSP_STUPH.DAT	7,988,813,227	2,085,769,262	73.89%
NSLDSP_STUSSN.DAT	4,893,353,424	1,487,932,410	69.59%
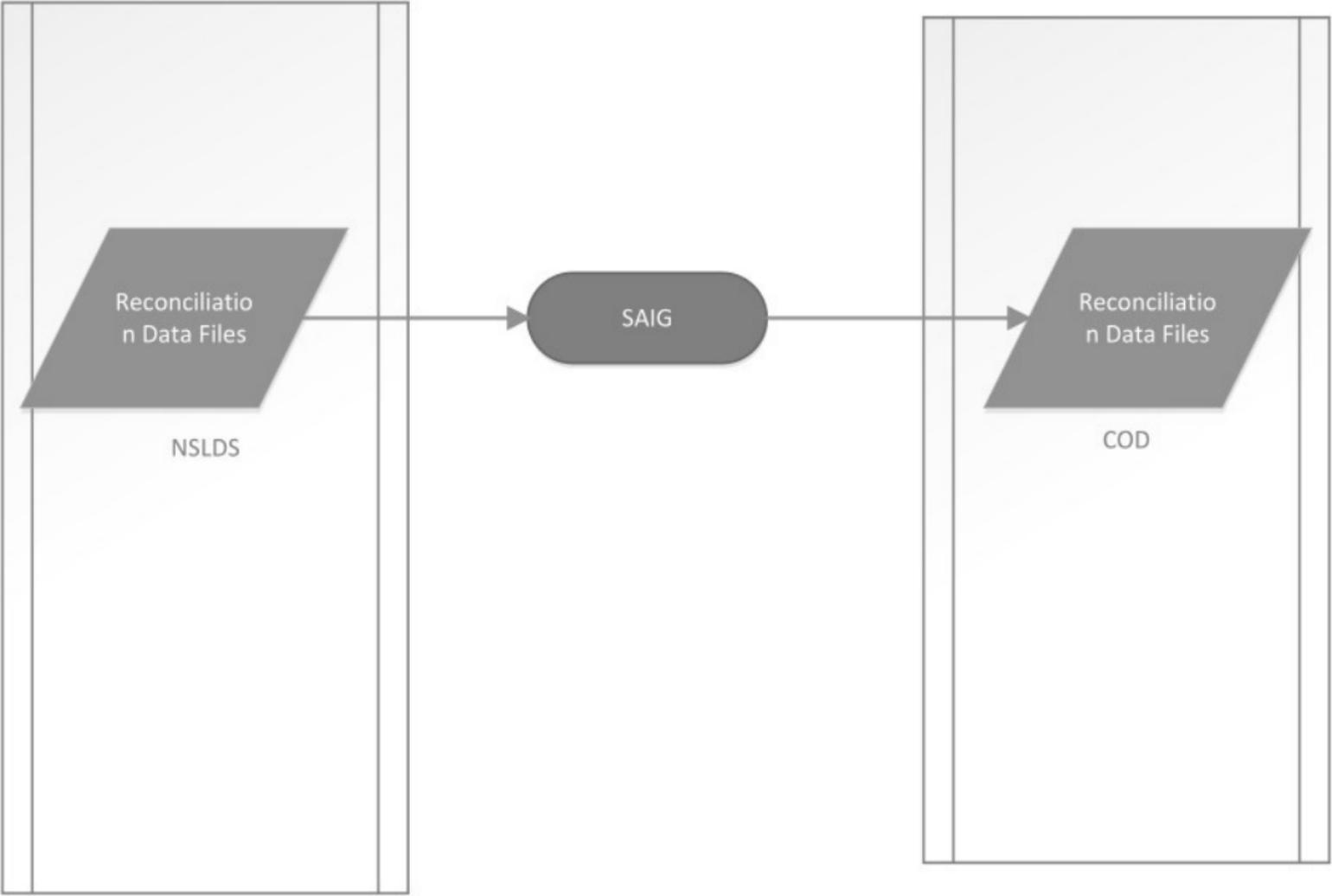
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UDP Business Application	UDP Physical Name	Table Description	Pub Flag	UDP Staging Table Physical Name	Column Name	Column Logical Name	Column Display Name	Column Description	Data type	Lngth
Duplicate DebtInfo	UDEFDUPDebtInfo	This information is needed for redefaulted loans - this is a copy of the old loan that is saved before the new loan is added.	Y	UDEFDUPDebtInfo _stgng	UDEFDebtGAServBal Dte	DebtGAServBalDte	GA/Servicer Balance Date	GA/Servicer Balance Date	Date	
Duplicate DebtInfo	UDEFDUPDebtInfo	This information is needed for redefaulted loans - this is a copy of the old loan that is saved before the new loan is added.	Y	UDEFDUPDebtInfo _stgng	UDEFDebtGATivasCd	DebtGATivasCd	Guaranty Agency or TIVAS Code	Guaranty Agency or TIVAS Code	Text	25
Duplicate DebtInfo	UDEFDUPDebtInfo	This information is needed for redefaulted loans - this is a copy of the old loan that is saved before the new loan is added.	Y	UDEFDUPDebtInfo _stgng	UDEFDebtGATivasCd OrigAgc	DebtGATivasCdOrigAgc	Guaranty Agency, TIVAS Code, originating agency	Guaranty Agency, TIVAS Code, originating agency	Text	10
Duplicate DebtInfo	UDEFDUPDebtInfo	This information is needed for redefaulted loans - this is a copy of the old loan that is saved before the new loan is added.	Y	UDEFDUPDebtInfo _stgng	UDEFDebtHoldReleas eDte	DebtHoldReleaseDte	Hold Release Date	Hold Release Date	Date	
Duplicate DebtInfo	UDEFDUPDebtInfo	This information is needed for redefaulted loans - this is a copy of the old loan that is saved before the new loan is added.	Y	UDEFDUPDebtInfo _stgng	UDEFDebtIneligBorrI nd	DebtIneligBorrInd	Ineligible Borrower Indicator	Ineligible Borrower Indicator	Text	1
Duplicate DebtInfo	UDEFDUPDebtInfo	This information is needed for redefaulted loans - this is a copy of the old loan that is saved before the new loan is added.	Y	UDEFDUPDebtInfo _stgng	UDEFDebtIntCancel	DebtIntCancel	Interest Cancelled	Interest Cancelled	Numeric	

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Amendment History
DMCS2 System Documentation Volume 19-06: Titanium Data Dictionary

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Document Version	Date	Modified by	Comments
2	3/28/2013	Krishna Edklavan and Miriam MacFarland	This Document supersedes previous Versions of Titanium Dictionaries, as follows: Vol 19-03, 19-04, and 19-05, which are now OBSOLETE; and updates Vol 19-06 V1

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Type of Document	File Name & Link	Date	Note
Record Layouts	Appendix A Report Extract File Layouts A130 - Appendix A - Report Extract File Layouts_Draftv1.doc	**2/1/2020**	**Version 1.0 is being reviewed/drafted**
Database Schemas	National Student Loan Data System Business to Program Mapping Deliverable A137 A137_NextGenBusiness-to-Program-Mapping_v3.1https://usdedeop.sharepoint.com/:w:/r/sites/ExternalSharing/FSA/NextGen-NSLDS/NextGen-NSLDS_Contract_Deliverables/A137_Business-to-Program%20Mapping/A137_NextGenBusiness-to-Program-Mapping_v3.1.docx?d=wad26d3fbc9d0432a808cf3b9f0717705&csf=1&web=1&e=	7/5/2022	
Entity Relationship Diagrams	NSLDS A120: System Architecture and Detailed Design Version 1.6 A120_System Architecture and Detail Design_1.6.dotx https://usdedeop.sharepoint.com/:w:/r/sites/ExternalSharing/FSA/NextGen-NSLDS/NextGen-NSLDS_Contract_Deliverables/A120_System%20Architecture/A120_System%20Architecture%20and%20Detail%20Design_1.6.dotx?d=w3b9b04a6bf014fc8a0bd7300c6368f9d&csf=1&web=1&e=BHRnnl	1/28/2022	
Database Diagrams	Enterprise Conceptual Data Model Version 3.0 https://fsa.share.ed.gov/to/architecture/ea/Documents1/20200221%20Enterprise%20Conceptual%20Data%20Model%20v3.0.pdf A123_ICD_SABER_Real_Time.V1.0 (NSLDS Interface Control Document Version 1.0) https://usdedeop.sharepoint.com/:w:/r/sites/ExternalSharing/FSA/NextGen-NSLDS/Business_Process_Areas/CR%206100%20-%20SABER%20IDR/ICD/A123_ICD_SABER_Real_Time.V1.0.docx?d=w5ffc05d20394438d8d769d046111952a&csf=1&web=1&e=OZBISM	2/21/2020 9/19/2022	
Data Dictionaries	NSLDS Data Dictionary_07_25_2022.xlsx NextGen_DataDictionary https://fsa.share.ed.gov/bo/soadms/si/NSLDS/NSLDSProjectTeamHome	1/20/2022 7/25/2022	
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User Guides	Appendix B NSLDSFAP Web Site Help Pages Download National Student Loan Data System Reports for Schools Guide Version 1.0 Final https://usdedeop.sharepoint.com/:b:/r/sites/ExternalSharing/FSA/NextGen-NSLDS/NextGen-NSLDS_Contract_Deliverables/A140_NSLDS%20School%20User%20Reports%20Guide/A140-NSLDS%20School%20User%20Reports_Final_v1.0.pdf?csf=1&web=1&e=PR1iUL National Student Loan Data System Reports for Schools Guide Version 1.0 Final https://usdedeop.sharepoint.com/:w:/r/sites/ExternalSharing/FSA/NextGen-NSLDS/NextGen-NSLDS_Contract_Deliverables/A130_User%20Documentation/A130%20-%20Appendix%20B%20-%20NSLDSFAP%20Help%20Pages_Draftv1.docx?d=w02b87faed1904bd4aa59f1430752c0e1&csf=1&web=1&e=6P4CFU	6/1/2022 7/20/2022	

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