

**COD-NSLDS Exit Counseling
Interface Control Document**

Version **11.0** • 1/7/2020

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	11/1/2012	Accenture	Initial Draft
2.0	11/14/2012	Accenture	Added NSLDS information on p. 4
2.0	11/14/2012	Accenture	Updated average and peak number of records on p. 4
2.0	11/14/2012	Accenture	Added NSLDS information on p. 8
2.0	11/14/2012	Accenture	Separated business rules from Field Specification section on p. 9-10
2.0	11/14/2012	Accenture	Updated first and second reference to international zip code and phone number lengths on p.13-14
2.0	11/14/2012	Accenture	Added business rule that COD will send non US state codes as 'FC' on p.10
2.0	11/14/2012	Accenture	Added asterisks to Valid State Code table on p. 16 to note that non US state codes will be sent as 'FC'
2.0	11/14/2012	Accenture	Updated definitions for Student SSN, Student DOB, Student Last Name, Student First Name, Student Middle Initial, and OPEID in the File Specification section
2.0	11/14/2012	Accenture	Update average and peak number of records on p. 4
2.0	11/16/2012	Accenture	Updated Responding Application info on p. 4
2.0	11/16/2012	Accenture	Updated #6/added #7 to COD functional specifications on p. 8
3.0	11/28/2012	Accenture	Deleted the student eligibility and disbursement line from p. 4
3.0	11/28/2012	Accenture	Updated the definition of OPEID on p. 16
3.0	11/29/2012	Accenture	Updated title for Denise Leifeste to read "Operations" on p. 2
3.0	11/29/2012	Accenture	Updated NSLDS dpath on p. 8 to match p. 4
3.0	11/29/2012	Accenture	Added text to the bullet about 001 records on p. 9
3.0	11/29/2012	Accenture	Updated the business rules for Student/Next-of-kin/First/Second reference zip on p. 10
3.0	11/29/2012	Accenture	Update the employer section business rule. If not sent, it will be spaces. P. 10
3.0	11/29/2012	Accenture	Update the employer zip code business rules on p. 10
3.0	11/29/2012	Accenture	Updated the definition of 001 and 002 records on p. 11 and 15
4.0	12/10//2012	Accenture	Updated the definition 002 records p. 15
5.0	1/11/2013	Accenture	Highlighted the country codes that NSLDS does not have p. 18 and 19
6.0	3/12/2013	Accenture	Updated the destination filename to have (+1) instead of (0); changed path to be staging/nsldsout instead of staging/counsel
7.0	11/28/2017	Accenture	Updated for DI to MFT conversion
8.0	9/13/2019	Accenture	Updated for transfer via SAIG
9.0	10/18/2019	Accenture	Updating message class name based on feedback from SAIG
10.0	9/21/2020	Accenture	Updated Student Borrower Repayment Plan Description to include four new repayment plan codes (CR 5422)
11.0	1/07/2021	Accenture	Updated Next-of-kin/First reference/Second reference Business Rules and Logic.

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Section 1. Interface Control Specification

Interface Name *	COD-NSLDS Exit Counseling
Interface Type *	Unidirectional
Interface Short Description *	<p>This document defines the processes utilized by COD and NSLDS to transport Exit Counseling file via SAIG.</p> <p>COD produces the Exit Counseling file to provide NSLDS with a daily record of exit counseling data. This file will be extracted and transmitted to NSLDS Monday to Friday. The file will report all exit counseling data processed by COD since the previous transmission.</p>
Requesting (Source) Application *	COD is the source of the Exit Counseling Data
Responding (Receiving or Destination) Application *	NSLDS receives the Exit Counseling Data
Technical Requirement References *	<p>Source TG Mailbox (Production): TG71900 Source TG Mailbox (Test): TGS2700</p> <p>Message Class (Production): NSLEXTOP Message Class (Test): NSTEXTOP</p> <p>Destination TG Mailbox (Production): TG50012 Destination TG Mailbox (Test): TGM8699</p> <p>Source File Name: NSLDS.COUNSEL.REQUESTOUT..<TIMESTAMP> Timestamp format: CCYYMMDDHHMMSSMMMMMM</p>
Interface Usage Frequency *	NSLDS will process the files daily, M-F
Interface Usage Volume *	<p>Average Number of Records 20,000 per day Estimated Peak Number of Records 50,000 per day</p>

**Required field*

Section 2. Interface Overview

2.1. Flow Diagram

2.2. Flow Diagram Description

1. The COD system will initiate a process to create the Exit Counseling file.
2. COD will transfer the files to NSLDS via SAIG.
3. The NSLDS Load data job will process the Exit Counseling file.

2.3. Usage Scenarios

COD will send Exit Counseling files to NSLDS every Monday – Friday (excluding Federal Holidays).

Section 3. System Information

3.1. Requesting (or Source) System Information

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

3.2. Responding (Receiving or Destination) System Information

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

Section 4. Interfacing System Responsibilities

4.1. Requesting (or Source) System Responsibilities

COD

#	Description
1	COD will extract Exit Counseling data from the COD Oracle DB.
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 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 The order of the "001" and "002" will reflect the order in which the records are received in the COD System.
5	COD will send the files to NSLDS via SAIG.

4.2. Responding (Receiving or Destination) System Responsibilities

NSLDS

#	Description
1	NSLDS will retrieve the files via SAIG.
2	The NSLDS scheduler will invoke the NSLDS load data daily
3	The NSLDS Load data job will process the Exit Counseling file

Section 5. Business Rules and Logic

The following section outlines the business rules and validation 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.
Student/Next-of-kin/First/Second Reference First Name	If blank/null, indicate 'NFN' (No First Name).
Student/Next-of-kin/First/Second Reference Last Name	If blank/null, indicate 'NLN' (No Last Name).
DL Number/DL State Code	If either DL Number or DL State Code is entered, the other is required. If only one of the elements is present, neither DL Number nor DL State Code will be sent.
Student/Next-of-kin/First/Second Reference Address Line 1	If blank/null, indicate 'No address line 1'.
Student/Next-of-kin/First/Second Reference City	If blank/null, indicate 'No city'.
Student/Next-of-kin/First/Second Reference State Code	If blank/null, indicate 'FC'. *See All State Codes business rules.
Student/Next-of-kin/First/Second Reference Zip Code	If blank/null, pad with five '0'. Domestic: Zip code must be 5 or 9 numeric digits. If not 5 or 9 digits, use 5 '0'. International: 'FC' must be in state code. Zip code must be at least one non-blank character.
Student Telephone Number (Home, Cell, Work)	If null/blank, default to '0'. Must report to NSLDS at least one of the student's telephone numbers: home, cell or work.
Employer Section	If any piece of data is entered in the employer section, all other data elements within the section will be required except Address Line 2. If any source is missing, other than address Line 2, state code, or zip code, the employer section will not be sent (each data element in the employer section will be padded with spaces).
Employer State Code	If blank and address line 1 is not blank, type 'FC'. If blank and address line 1 is blank, leave State Code blank.

Type	Description
	*See All State Codes business rules.
Employer Zip Code	<p>If blank and address line 1 is not blank, pad with five '0'. If blank and address line 1 is blank leave Zip Code blank.</p> <p>Domestic: Must be 5 or 9 numeric digits. If not 5 or 9 digits, use 5 '0'.</p> <p>International: 'FC' must be in state code. Must be at least one non-blank character.</p>
Next-of-kin/First/Second Reference	<p>Next-of-kin and First reference can be the same.</p> <p>Next-of-kin and Second reference can be the same.</p> <p>First reference and Second reference cannot be the same.</p>
Next-of-kin/First/Second Reference Phone Number	If blank/null, default to ten'0'.
School OPEIDs	Exclude schools that do not start with a zero and make them configurable.
All State Codes	<p>The following State Codes will be sent as 'FC'.</p> <ul style="list-style-type: none"> • AB Alberta • BC British Columbia • MB Manitoba • NB New Brunswick • NF Newfoundland • NL Newfoundland and Labrador • NS Nova Scotia • NT Northwest Territories • ON Ontario • PW Republic of Palau • QC Quebec • SK Saskatchewan <p>YT Yukon</p>

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 COMPLETION HEADER '	Alphanumeric	35	13	47
Submittal Date/Time	Timestamp for when the file was submitted. Format: CCYYMMDDHHMMSSMMMMMM No punctuation.	Timestamp	20	48	67
Total Record Count	Total count of detail records.	Numeric	9	68	76
Type 1 Record Count	Total count of 001 record type	Numeric	9	77	85
Type 2 Record Count	Total count of 002 record types	Numeric	9	86	94
Filler	Attribute to complete record length	Alphanumeric	1256	95	1350

001 Record:

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	'001' - Represents the Exit Counseling Completion Record	Alphanumeric	3	1	3	Required
Student SSN	This is the Student's SSN that is entered by the user to retrieve student information.	Numeric	9	4	12	Required
Student First Name	First Name of Student being reported. If no first name indicate 'NFN'	Alphanumeric	35	13	47	Required
Student Middle Initial	Middle Initial of Student being reported.	Alphanumeric	35	48	82	Optional; can be blank
Student Last Name	Last Name of Student being reported. If no last name indicate 'NLN'.	Alphanumeric	35	83	117	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Student DOB	This is the Student's date of birth that is entered by the user to retrieve student information. Format CCYYMMDD	Date	8	118	125	Required
Completion Date and Time	Date and time the student completed their Loan Exit Counseling session. Format: CCYYMMDD HHMMSSMM MMMM	Timestamp	20	126	145	Required
DL Number	Student's driver license number	Alphanumeric	30	146	175	Optional; can be blank
DL State Code	Valid State Code in which the student's driver license was issued	Alphanumeric	2	176	177	Optional; can be blank
Student Street Address 1	Line 1 of student's permanent address	Alphanumeric	40	178	217	Required
Student Street Address 2	Line 2 of student's permanent address	Alphanumeric	40	218	257	Optional; can be blank

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Student City	City of student's permanent address	Alphanumeric	30	258	287	Required
Student State Code	Valid State code of student's permanent address.	Alphanumeric	2	288	289	Required
Student Country Code	Valid Country Code of student's permanent address.	Alphanumeric	2	290	291	Required
Student Zip Code	Zip or postal code of student's permanent address.	Alphanumeric	17	292	308	Required
Student Phone Number - home	Home telephone number of student's current address.	Alphanumeric	12	309	320	Optional; can be blank
Student Phone Number - cell	Cellphone number of student's current address.	Alphanumeric	12	321	332	Optional; can be blank
Student Phone Number - work	Work telephone number of student's current address.	Alphanumeric	12	333	344	Optional; can be blank
Student E-mail Address	Valid e-mail address of student	Alphanumeric	128	345	472	Optional; can be blank
Employer Name	Employer of the student.	Alphanumeric	60	473	532	Optional; can be blank

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Employer Street Address 1	Address Line 1 of student's employer	Alphanumeric	40	533	572	Optional; can be blank
Employer Street Address 2	Address Line 2 of student's employer	Alphanumeric	40	573	612	Optional; can be blank
Employer City	City of student's employer	Alphanumeric	30	613	642	Optional; can be blank
Employer State Code	Valid State code of student's employer	Alphanumeric	2	643	644	Optional; can be blank
Employer Country Code	Valid Country Code of student's employer.	Alphanumeric	2	645	646	Optional; can be blank
Employer Zip Code	Zip code of student's employer.	Alphanumeric	17	647	663	Optional; can be blank
Employer Phone Number	Telephone number of student's employer.	Alphanumeric	12	664	675	Optional; can be blank
Next-of-kin First Name	First name of next-of-kin, if blank type 'NFN'.	Alphanumeric	35	676	710	Required
Next-of-kin Last Name	Last name of next-of-kin, if blank type 'NLN'.	Alphanumeric	35	711	745	Required
Next-of-kin Street Address 1	Address Line 1 of next-of-kin.	Alphanumeric	40	746	785	Required
Next-of-kin Street Address 2	Address Line 2 of next-of-kin	Alphanumeric	40	786	825	Optional
Next-of-kin City	City of next-of-kin	Alphanumeric	30	826	855	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Next-of-kin State Code	Valid state code of next-of-kin.	Alphanumeric	2	856	857	Required
Next-of-kin Country Code	Valid Country Code of next-of-kin.	Alphanumeric	2	858	859	Optional; can be blank
Next-of-kin Zip Code	Zip or postal code next-of-kin.	Alphanumeric	17	860	876	Required
Next-of-kin Phone Number	Telephone number of next-of-kin	Alphanumeric	12	877	888	Required
First Reference First Name	First name of first reference, if blank type 'NFN'.	Alphanumeric	35	889	923	Required
First Reference Last Name	Last name of first reference, if blank type 'NLN'.	Alphanumeric	35	924	958	Required
First Reference Street Address 1	Address Line 1 of first reference.	Alphanumeric	40	959	998	Required
First Reference Street Address 2	Address Line 2 of first reference	Alphanumeric	40	999	1038	Optional
First Reference City	City of first reference	Alphanumeric	30	1039	1068	Required
First Reference State Code	Valid state code of first reference.	Alphanumeric	2	1069	1070	Required
First Reference Country Code	Valid Country Code of first reference.	Alphanumeric	2	1071	1072	Optional; can be blank

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
First Reference Zip Code	Zip code of first reference.	Alphanumeric	17	1073	1089	Required
First Reference Phone Number	Telephone number of first reference.	Alphanumeric	12	1090	1101	Required
Second Reference First Name	First name of second reference, if blank type 'NFN'.	Alphanumeric	35	1102	1136	Required
Second Reference Last Name	Last name of second reference, if blank type 'NLN'.	Alphanumeric	35	1137	1171	Required
Second Reference Street Address 1	Address Line 1 of second reference.	Alphanumeric	40	1172	1211	Required
Second Reference Street Address 2	Address Line 2 of second reference.	Alphanumeric	40	1212	1251	Optional
Second Reference City	City of second reference	Alphanumeric	30	1252	1281	Required
Second Reference State Code	Valid state code of second reference.	Alphanumeric	2	1282	1283	Required
Second Reference Country Code	Valid Country Code of second reference.	Alphanumeric	2	1284	1285	Optional; can be blank
Second Reference Zip Code	Zip code of second reference.	Alphanumeric	17	1286	1302	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Second Reference Phone Number	Telephone number of second reference.	Alphanumeric	12	1303	1314	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Student Borrower Repayment Plan	SF: Standard Repayment Plan SG: Graduated Repayment Plan EF: Extended Repayment Plan - Fixed EG: Extended Repayment Plan – Graduated IB: Income-Based Repayment Plan C3: Income-Contingent Repayment Plan (DL only) IS: Income-Sensitive Repayment Plan (FFEL only) PA: Pay As You Earn I3: Income-Based Repayment 2014 CS: Consolidated Standard CG: Consolidated Graduated IC: Income Contingent	Alphanumeric	2	1315	1316	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Repayment I5: Revised Pay As You Earn Plan					
Parent PLUS Borrower Repayment Plan	SF: Standard Repayment Plan SG: Graduated Repayment Plan EF: Extended Repayment Plan – Fixed EG: Extended Repayment Plan – Graduated	Alphanumeric	2	1317	1318	Optional
Filler	Attribute to complete record length	Alphanumeric	32	1319	1350	Required

002 Record:

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	'002' - Represents the Exit Counseling School Record	Alphanumeric	3	1	3	Required
Student SSN	Student Social Security Number	Alphanumeric	9	4	12	Required
Student First Name	Student First Name. If no first name indicate 'NFN'	Alphanumeric	35	13	47	Required
Student Middle Initial	Student Middle Initial	Alphanumeric	35	48	82	Optional
Student Last Name	Student Last Name. If no last name indicate 'NLN'.	Alphanumeric	35	83	117	Required
Student DOB	Student Date of Birth. Format CCYYMMDD	Date	8	118	125	Required

School OPEID	Concatenation of the School Code and the School Branch Code for each institution which the student selects on the SL.gov Exit Counseling flow.	Alphanumeric	8	126	133	Required
Completion Date and Time	Date and time the student completed their Loan Exit Counseling session. Format: CCYYMMDDHHMMSSMMMMMM	Timestamp	20	134	153	Required
Filler	Attribute to complete record length	Alphanumeric	1197	154	1350	Required

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 COMPLETION TRAILER '	Alphanumeric	35	13	47
Total Record Count	Total count of detail records.	Numeric	9	48	56
Type 1 Record Count	Total count of 001 record type	Numeric	9	57	65
Type 2 Record Count	Total count of 002 record types	Numeric	9	66	74
Filler	Attribute to complete record length	Alphanumeric	1276	75	1350

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

Description	Description	Field Format	Length	Start Position	End Position
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 systems execute in a batch TSO (time sharing option) environment.
2	Both COD and NSLDS will be able to send/receive files to/from SAIG.
3	Batch job failures including errors interacting with SAIG will be captured by COD/NSLDS Operations.
4	OS Language Environment with C/C++ support is available on NSLDS
	Functional Assumptions
1	COD Oracle DB contains information required to create the Exit Counseling file.
2	NSLDS will process the Exit Counseling file. The rules for processing the file are beyond the scope of this document.
3	COD will not store or process a response 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

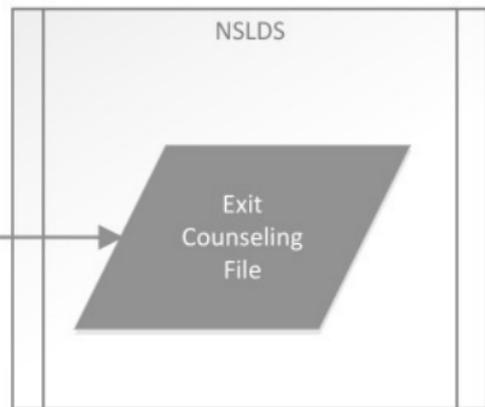
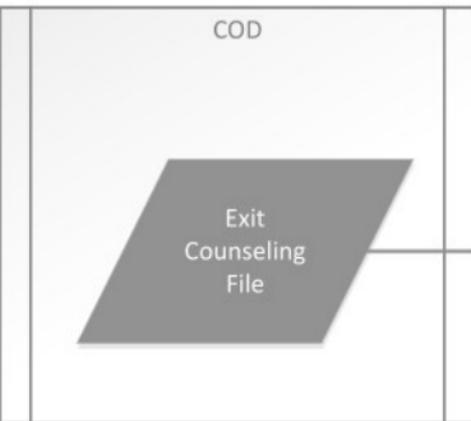
ACRONYM	DEFINITION

Table A-1: Acronyms and Abbreviations

Appendix B - Glossary

TERM	DEFINITION

Table B-1: Glossary



**COD-NSLDS Send Data File
Interface Control Document**

Version 14.0 • 10/18/2019

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	08/19/2016	Katherine Villafuerte, Soham Trivedi	Initial Draft
2.0	09/22/2016	Katherine Villafuerte, Soham Trivedi	Draft Updated with NSLDS comments
3.0	09/26/2016	Katherine Villafuerte, Soham Trivedi	Draft Updated with FSA comments
4.0	10/27/2016	Katherine Villafuerte, Soham Trivedi	Draft Updated with FSA and NSLDS comments
5.0	11/08/2016	Katherine Villafuerte, Soham Trivedi	Draft Updated with FSA and NSLDS comments
6.0	12/02/2016	Katherine Villafuerte, Soham Trivedi	Draft Updated based on NSLDS logic updates
7.0	1/25/2017	Monica Matese	Draft Updated to include changes to NSLDS
8.0	3/02/2017	Soham Trivedi	Draft Updated to include correct staging directories
9.0	11/3/2017	Eva Hogan	Initial Draft
10.0	11/17/2017	Eva Hogan	Updated with changes discussed in ICD Review.
11.0	11/28/2017	Anton Darilay	Updated for DI to MQ MFT conversion
12.0	02/19/2018	Oscar Garza	Updated software components
13.0	9/13/2019	Accenture	Updates made to reflect transfer via SAIG
14.0	10/18/2019	Accenture	Updating message class name based on feedback from SAIG

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Section 1. Interface Control Specification

Interface Name *	COD-NSLDS Send File
Interface Type *	Bi-Directional
Interface Short Description *	<p>This document defines the processes utilized by COD and NSLDS to send Direct Loan, Pell/IASG and TEACH award Data Files to NSLDS via the SAIG.</p> <p>Beginning with the 2017-2018 Award Year, the COD System will produce a new Data Send file to provide NSLDS with a daily record of borrowers' Direct Loan, Pell/IASG and TEACH data. This file will be extracted and transmitted to NSLDS each business day. The file will report all Direct Loan, Pell/IASG and TEACH data processed by COD since the previous transmission.</p>
Requesting (Source) Application *	<p>COD is the source application of the NSLDS send request Data File This file is sent through SAIG (Student Aid Internet Gateway)</p> <p>NSDLS is the destination application of the NSLDS Send Data File</p>
Responding (Receiving or Destination) Application *	<p>NSLDS is the source application of the NSLDS Receipt Data File This file is sent through SAIG (Student Aid Internet Gateway)</p> <p>COD is the destination application of the NSLDS Receipt Data File</p>

<p>Technical Requirement References *</p>	<p>Send Data File:</p> <p>Source TG Mailbox (Production) = TG71900 Source TG Mailbox (Test) = TGS2700</p> <p>Message Class (Production) = NSLDATOP Message Class (Test) = NSTDATOP</p> <p>Destination TG Mailbox (Production) = TG50012 Destination TG Mailbox (Test) = TGM8699</p> <p>Filename Format: NSLDS.SEND.REQOUT.<TIMESTAMP> Timestamp format: CCYYMMDDHHMMSSMM</p> <p>Send Data Receipt File:</p> <p>Source TG Mailbox (Production) = TG50012 Source TG Mailbox (Test) = TGM8699</p> <p>Message Class (Production) = NSLDATIN Message Class (Test) = NSTDATIN</p> <p>Destination TG Mailbox (Production) = TG71900 Destination TG Mailbox (Test) = TGS2700</p> <p>Filename format: NSLDS.RECEIPTIN.<TIMESTAMP> Timestamp format: CCYYMMDDHHMMSSMM</p>
<p>Interface Usage Frequency *</p>	<p>. NSLDS will process the files daily, every business day (M-F) End of Day cycle excluding holidays. File shall be delivered every Tuesday-Saturday, excluding holidays, between 1:00am -5:00am EST.</p>
<p>Interface Usage Volume *</p>	<p>Average Number of Records 700,000 per day Estimated Peak Number of Records 3,000,000 per day *Note: there could be up to 20 million records sent over Release weekends when COD makes a global recalculation or update to a program.</p>

***Required field**

Section 2. Interface Overview

2.1. Flow Diagram

2.2. Flow Diagram Description

1. The COD system will initiate a process to create the NSLDS Send Data file.
2. COD will send the file to NSLDS's SAIG mailbox
3. The NSLDS scheduler will invoke the NSLDS load data job upon the receipt of the NSLDS Send Data file. The NSLDS Load data job will process the NSLDS Send Data file.
4. The NSLDS system will initiate a process to create a receipt file. NSLDS send the file to COD's SAIG mailbox.
5. The COD scheduler will invoke the COD Midrange server when a file is sent and a Load data job will then process the receipt file. COD will not process rejected files from NSLDS.

2.3. Usage Scenarios

COD will send the send data file to NSLDS every Tuesday through Saturday trailing business days. NSLDS will send the receipt file after processing.

Section 3. System Information

3.1. Requesting (or Source) System Information

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

3.2. Responding (Receiving or Destination) System Information

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

Section 4. Interfacing System Responsibilities

4.1. Requesting (or Source) System Responsibilities

COD to NSLDS Send Data File

#	Description
1	COD will extract NSLDS Send Data from the COD databases
2	The extracted data will be saved to a fixed length file
3	<p>The data extracted will be formatted as specified in the File Specification section. Each file will have the following records:</p> <ul style="list-style-type: none"> 'SAIG Header Record' (mandatory) 'NSLDS Header Record' (mandatory) 'NSLDS Person Detail Record' (zero or many detailed records) 'NSLDS Direct Loan Award Detail Record' (zero or many detailed records) 'NSLDS Direct Loan Disbursement Detail Record' (zero or many detailed records) 'NSLDS Pell Award Detail Record' (zero or many detailed records) 'NSLDS Pell Disbursement Detail Record' (zero or many detailed records) 'NSLDS TEACH Award Detail Record' (zero or many detailed records) 'NSLDS TEACH Disbursement Detail Record' (zero or many detailed records) 'NSLDS Trailer Record' (mandatory) 'SAIG Trailer Record' (mandatory)
4	<p>The "SAIG Header Record" will be the first record in the file</p> <p>The "NSLDS Header Record" will be the second record in the file</p> <p>The "NSLDS Trailer Record" will be the second to last record in the file</p> <p>The "SAIG Trailer Record" will be the last record in the file</p> <p>The NSLDS Detail Records will be located between the Header and Trailer Records. The detailed records will contain person level, award level, and disbursement level data.</p> <p>If all three detailed records for one person and one award are included in the outbound file, then the records will be grouped by their common SSN in the order of the following hierarchy:</p> <ol style="list-style-type: none"> 1. Person Detailed Record (PSN) 2. Direct Loan Award Detailed Records (DLA) 3. Direct Loan Disbursement Detailed Records (DLD) 4. Pell Award Detailed Records (PLA) 5. Pell Disbursement Detailed Records (PLD) 6. TEACH Award Detailed Records (THA)

	7. TEACH Disbursement Detailed Records (THD)
5	COD will track the number of records sent in the Send file process at the Header and Trailer record levels.
6	COD will send the file to NSLDS via SAIG

NSLDS to COD Receipt File

#	Description
1	COD will receive the receipt file from NSLDS via SAIG
2	COD will process receipt file
3	COD will not process rejected records from NSLDS.

4.2. Responding (Receiving or Destination) System Responsibilities

NSLDS

#	Description
1	NSLDS will receive the file via SAIG
2	NSLDS will process the file

NSLDS to COD Receipt File

#	Description
1	NSLDS will create a receipt file in receipt to the file sent by COD.
2	The file will be sent to COD's SAIG mailbox

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.
Student/Borrower First Name	If blank/null in COD for applicable award types, populate 'NFN' (No First Name).
Student/Borrower Last Name	If blank/null in COD for applicable award types, populate 'NLN' (No Last Name).
Student/Borrower State Code	If blank/null in COD, populate 'FC'. *See All State Codes business rules.
Student/Borrower Zip Code	If blank/null in COD, pad with seventeen '0's. Domestic: If blank, use seventeen '0's. International: 'FC' must be in state code. Zip code must be at least one non-blank character.
Student/Borrower Telephone Number (Home, Cell, Work)	If null/blank in COD, default to '0'. Must report to NSLDS at least one of the student's telephone numbers: home, cell or work. The phone number saved on the COD system allows for 17 digits of an individual's phone number. This space allows the COD System to store the country code, primary number, and extension numbers in one string of digits. The phone number within the Direct Loan file, however, is only 12 digits. COD will only include the first 12 digits of a phone number to populate the corresponding phone number fields of the Person Record 001. If the country code exists for a particular phone number, then it will be a part of the phone number value.
All State Codes	The following State Codes will be sent as 'FC'. <ul style="list-style-type: none"> • AB Alberta • BC British Columbia • MB Manitoba • NB New Brunswick • NF Newfoundland • NL Newfoundland and Labrador • NS Nova Scotia • NT Northwest Territories • ON Ontario • PW Republic of Palau • QC Quebec • SK Saskatchewan YT Yukon

Type	Description
Payment To Servicer Amount	The payment to servicer amount for a specific award shall be included on all disbursement records for that award. If more than one payment exists for an award on the COD System then all available payment amounts will be included on all disbursements for that award. Each combination of a disbursement number and a payment amount will populate as a new Disbursement Record (DLD, PLD, and THD) within the file.
Special Programs	This field is optional for AY 2016-2017 and prior, AY 2017-2018 and beyond will be blank at the award record level. Furthermore Special Programs field is optional for AY 2017-2018 and beyond, all previous AY's will be blank at the disbursement record level.
Program Credential Level	This field will be optional for AY 2016-2017 and prior, AY 2017-2018 and beyond will be blank at the award record level. Furthermore Program Credential Level field is required for AY 2017-2018 and beyond, all previous AY's will blank at the disbursement record level.
Published Program Length Years	This field will be optional for AY's 2016-2017 and prior, AY 2017-2018 and beyond will be 0's at the award record level. Furthermore Published Program Length Years will be optional for AY 2017-2018 and forward and will be 0's for AY 2016-2017 and prior at the disbursement record level.
Published Program Length Weeks	This field will be optional for AY's 2016-2017 and prior, AY 2017-2018 and beyond will be 0's at the award record level. Furthermore Published Program Length Weeks will be optional for AY 2017-2018 and forward and will be 0's for AY 2016-2017 and prior at the disbursement record level.
Published Program Length Months	This field will be optional for AY's 2016-2017 and prior, AY 2017-2018 and beyond will be 0's at the award record level. Furthermore Published Program Length Months will be optional for AY 2017-2018 and forward and will be 0's for AY 2016-2017 and prior at the disbursement record level.
Weeks Program Academic Year	This field will be required if Published Program Length Months or Published Program Length Weeks are populated in Award record level for AY 2016-2017 and prior, all forward AY's will be 0's. Also this field will be required if Published Program Length Months or Published Program Length Weeks are populated in Disbursement record level for AY 2017-2018 and forward, all previous AY's will be 0's for Disbursement record level.

Section 6. File Specification

The file specification for this interface is located in 18.0_NSLDS send data file layout v1.

Section 7. Interface Assumptions and Dependencies

7.1. Assumptions

#	Assumption
	Operational Assumptions
1	The NSLDS systems execute in a batch TSO (time sharing option) environment.
2	COD and NSLDS will be be able to access SAIG.
3	Job failures including errors interacting with SAIG will be captured by Operations software on both COD ad NSLDS servers.
4	The architecture will be configured to support the transfer of data from COD to NSLDS.
5	zOS Language Environment with C/C++ support is available on NSLDS.
6	This ICD may updated to support the implementation of CR 3426.
	Functional Assumptions
1	COD Oracle contains information required to create the NSLDS Send Data file.
2	NSLDS will process the NSLDS Send Data file. The rules for processing the file are beyond the scope of this document.
3	<p>COD will only send a record when there was activity on that day.</p> <p>Example 1: if a student has a person level only change (e.g. email address from SL or LEU), COD will only send the Person Level Detailed Record and no Award or Disbursement Level Records.</p> <p>Example 2: if a student has a Pell and DL award, only the DL award changed that day, COD will only send the DL award (plus the person record) in the Send File.</p> <p>Example 3: if a DL award has 3 disbursements, and one day Disbursement 2 changes, COD will only send Disbursement 2 (plus the award and person records) in the Send File.</p>
4	<p>If there are multiple activities on a person, award or disbursement in a single processing day, COD will send the latest status of that accepted person, award and/or disbursement information.</p> <p>Example 1: if a Disbursement was submitted with sequence 01 in the morning and 02 in the afternoon, COD would only send the Disbursement with sequence 02 (it would be inclusive of the previous information of 01).</p>
5	<p>Award ID/Reference ID will be sent with the person ID record with the following hierarchical logic:</p> <ul style="list-style-type: none"> • Populated with existing DL (Direct Loan) Award ID. • Populated with existing TH (Teach) Award ID if no DL award exists in the system. • Populated with new DL Award ID, if no DL or TEACH award exists and a new DL award is being sent. <p>Populated with new TH Award ID, if no DL or TEACH award exists and a new TEACH award is being sent</p>
6	NSLDS Send File does not include DLP awards with Declined Credit Decision.

7	The NSLDS Send File will send data for all Operative and Non-Operative Award Years for all programs (Pell/IASG, Direct Loan and TEACH).
8	SULA Disbursement Number and SULA Disbursement Sequence Number will be added to the DLA record. These will be populated with the disbursement number and sequence number COD uses to pull the Special Programs and Published Program Length values for SULA calculations.
9	When a Payment to servicer (Event 884) is triggered in the COD system. COD will send Payment to servicer values at the disbursement record for Direct Loan program. COD will continue to send these values unless there is a new change in the system for these fields.
10	If there are multiple payment to servicer transactions linked to the same disbursement, COD will send the sum of the Payment to servicer's amounts and Payment to servicer date from the latest transaction in the system.
11	In the event of a person level, LEU only change, COD will only send the Person Level Detailed Record and no Award or Disbursement Level Records for the student. The student may not have an active award on the COD System.
12	The NSLDS Send File is updated to include a CFH Indicator in the Pell Award Detail Record for CR 4688 in Release 17.2. COD will expand the record length of the Pell Award Detail Record to include a CFH Indicator field at the end of the record.
13	The NSLDS Send File is updated to include an IASG LEU field in the Person Detail Record for CR 4693 in Release 17.2. COD will expand the record length of the Person Detail Record to include an IASG LEU field at the end of the record.

7.2. Dependencies

#	Dependencies
1	Any associated impacts to COD will be resolved through the COD change control process. Any associated impacts to NSLDS will be resolved through the NSLDS change control process.
2	NSLDS is dependent on the network and Data Center managed by the VDC, and COD is dependent on the network managed by Amazon Webservices.

Appendix A - Acronyms and Abbreviations

ACRONYM	DEFINITION

Table A-1: Acronyms and Abbreviations

Appendix B - Glossary

TERM	DEFINITION

Table B-1: Glossary



Send Data File

COD



Send Receipt File



SAIG



SAIG



Send Data File

NSLDS



Send Receipt File

**COD-NSLDS Send Data File Request and
Receipt Files**

Data File Layout

Version 3.0 • 1/3/2020

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	11/5/2018	Accenture	Updates made to file layout
2.0	10/24/2019	Accenture	Add SAIG Header/Trailer
3.0	01/03/2020	Accenture	Corrected Pell Disbursement Detail Record, included 19.0 NAYS changes, added CIP Code Year values, and Informed Borrowing fields

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Section 2. COD-NSLDS Send File Specification

2.1. 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

2.2. NSLDS Header Record

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'AAA' – Represents Header	Alphanumeric	3	1	3
Header Sort Key	Low value '000000000'	Alphanumeric	9	4	12
Header Title	Value 'SEND FILE DATA HEADER'	Alphanumeric	21	13	33
Submittal Date/Time	Timestamp for when the file was submitted. Format: CCYYMMDDHHMMSSMMMMMM	Timestamp	20	34	53
	No punctuation.				
File ID	Unique File Identification Number	Numeric	8	54	61
Total Record Count	Total count of detail records.	Numeric	9	62	70
Type PSN Record Count	Total count of PSN record types	Numeric	9	71	79

Type DLA Record Count	Total count of DLA record types	Numeric	9	80	88
Type DLD Record Count	Total count of DLD record types	Numeric	9	89	97
Type PLA Record Count	Total count of PLA record types	Numeric	9	98	106
Type PLD Record Count	Total count of PLD record types	Numeric	9	107	115
Type THA Record Count	Total count of THA record types	Numeric	9	116	124
Type THD Record Count	Total count of THD record types	Numeric	9	125	133

2.3. NSLDS Person Detail Record

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	'PSN' - Represents the Person 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
Financial Award ID	The student's unique award identifier (for DL and TEACH awards) DL (Direct Loan) Award ID, it includes the following elements for DL program:	Alphanumeric	21	13	33	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>Student's SSN: 001010001-999999998</p> <p>Loan Type: S = Subsidized U = Unsubsidized P = PLUS for parent and graduate/professional borrowers</p> <p>Program Year: 21, for 2020-2021</p> <p>School Code: X00000-X99999 where X = G or E</p> <p>Award Sequence Number: 001-999</p> <p>Example: '001010001S21G00000001'</p> <p>TH (Teach) Award ID includes the following elements for TH program:</p> <p>Student's SSN: 001010001-999999998</p> <p>Award Type: H = TEACH</p> <p>Program Year: 21, for 2020-2021</p> <p>School Code: 000000-099999</p> <p>Award Sequence Number: 001-999</p> <p>Example: '001010001H21000000001'</p> <p>Will send an existing DL Award ID if one exists.</p> <p>Will send an existing TH Award ID if no DL award exists.</p> <p>Will send the new DL Award ID, if no DL or TEACH award exist and a new DL award is being sent.</p> <p>Will sent the new TH Award ID, if no DL or TEACH award exist and</p>					

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>a new TEACH award is being sent.</p> <p>Will send blank for existing/new Pell award, if no DL or TEACH award exist and no new DL or TEACH award is being sent.</p>					
Previous SSN	<p>Social Security Number on student's first FAFSA for this school year.</p> <p>Left justified.</p> <p>Format: 001010001 to 999999998</p> <p>Can be 0's</p>	Numeric	9	34	42	Required
Student First Name	<p>First Name of Student being reported.</p> <p>If no first name populate 'NFN'</p>	Alphanumeric	30	43	72	Required
Student Middle Initial	<p>Middle Initial of Student being reported.</p>	Alphanumeric	1	73	73	Optional
Student Last Name	<p>Last Name of Student being reported.</p> <p>If no last name populate 'NLN.'</p>	Alphanumeric	35	74	108	Required
Student DOB	<p>This is the Student's date of birth that is entered by the user to retrieve student information.</p> <p>Format: CCYYMMDD</p> <p>Can be 0's</p>	Date	8	109	116	Required
Pell Original Name Code	<p>First two characters of Last Name on student's FAFSA.</p> <p>Will send Pell Original Name code from CPS Transaction of the highest transaction on the system for that transmission</p> <p>Will send blank if the customer only has a Pell Award(s) for Award Years 1973-1973 through 1998-1999 and does not have an active Pell Award on the COD System.</p>	Alphanumeric	2	117	118	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Required for customers with active Pell awards in the COD System.					
Driver's License State	Attribute Indicating the person's Driver's license state. Valid State Code Values in Appendix. If State Code Default to blank	Alphanumeric	2	119	120	Optional
Driver's License Number	The person's Driver's license number. Default to blank	Alphanumeric	20	121	140	Optional
DLS Counseling Flag	Indicates entrance counseling completion for DLS. Valid Values: Y = Yes, Student has completed counseling for DLS/DLU. N = No, Student has not completed counseling for DLS/DLU. Blank = Not set.	Alphanumeric	1	141	141	Optional
DLP Counseling Flag	Indicates entrance counseling completion for DLP. Valid Values: Y = Yes, Student has completed counseling for DLP. N = No, Student has not completed counseling for DLP. Blank = Not set.	Alphanumeric	1	142	142	Optional
Deceased Flag	Indicates whether a student is deceased. Possible fields: Y = Yes, Student is deceased. N = No, Student is not deceased. Blank = Not set.	Alphanumeric	1	143	143	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Post 9/11 Deceased Vet Dependent	<p>The Post 9/11 Deceased Veteran Dependent indicator is populated by COD through an evaluation of the 'DoD Match Flag' on the CPS DDE file.</p> <p>Y = Post 9/11 applies N = Post 9/11 does not apply Blank = Not set.</p>	Alphanumeric	1	144	144	Optional
Pell Lifetime Eligibility Used (LEU)	<p>Calculated value by COD for all Pell Recipients. It is the sum of all Pell Eligibility Used percentages for a Pell recipient over the course of their entire lifetime, including Pell LEU adjustments.</p> <p>Note: This field will not populate with IASG LEU.</p> <p>Implied Decimal: 9999v999 Format: XXXX.XXX = XXXXXXXX Example: 0123.454 = 0123454 Default to 0's for negative or not set LEU values</p>	Numeric	7	145	151	Required
Subsidized Usage Limit Applies	<p>Indicates if a student is eligible for SULA limits.</p> <p>Y = Subsidized Usage Limit Applies N = Subsidized Usage Limit Does Not Apply Blank = Not set.</p>	Alphanumeric	1	152	152	Required
Subsidized Usage Limit Applies Date	<p>Indicates the date at which the student qualified for SULA limits across Award Years and schools, and were updated on the COD System to SULA = Y</p> <p>Format: CCYYMMDD or 0's</p>	Date	8	153	160	Optional
Sum Actual Subsidized Usage Periods	<p>Actual sum of subsidized usage periods for the student, across Award Years and schools. Field will be populated if SULA = 'Y.'</p>	Numeric	6	161	166	Optional

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 = XXXXXXXX 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: 21, for 2020-2021 School Code: X00000-X99999 where X = G or E Award Sequence Number: 001-999 Example: '001010001S21G00000001'	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: 'XXXXXXXXXXXXX,XX' Valid Values:	Numeric	16	78	93	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	'-9999999999999999' 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: 'XXXXXXXXXXXXXXVXX' Valid Values: '-9999999999999999' 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 = 1 st Year Undergraduate (No previous) 1 = 1 st Year Undergraduate (Previous) 2 = 2 nd Year Undergraduate 3 = 3 rd Year Undergraduate 4 = 4 th Year Undergraduate 5 = 5 th Year Undergraduate 6 = 1 st 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>'P' = Preparatory Coursework Graduate Professional Program</p> <p>'U' = Preparatory Coursework Undergraduate</p> <p>'T' = Non-Credential Teacher Certification</p> <p>'A' = Special Admissions Associate Degree</p> <p>'B' = Bachelor Degree Completion Program</p> <p>'N' = Not Applicable</p> <p>Blank'</p> <p>Optional for AY 2016-2017 and prior.</p> <p>Will be blank for AY 2017-2018 and beyond</p>					
Program Credential Level	<p>This is the credential level of the program that is being covered by aid. The valid values for Program Credential Level are:</p> <p>01 = Undergraduate certificate or diploma program</p> <p>02 = Associate's degree</p> <p>03 = Bachelor's degree</p> <p>04 = Post Baccalaureate certificate</p> <p>05 = Master's degree</p> <p>06 = Doctoral degree</p> <p>07 = First Professional degree</p> <p>08 = Graduate/Professional certificate</p> <p>99 = Non-credential programs (preparatory coursework/teacher certification)</p>	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	<p>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.</p> <p>Valid Values:</p> <p>Y = Yes, student has enrolled.</p> <p>N = No, student has not enrolled.</p> <p>Blank</p>	Alphanumeric	1	161	161	Optional
Published Program Length Years	<p>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.</p> <p>Implied Decimal Format: XXX.XXX = XXXXXX</p> <p>Optional for AY 2016-2017 and prior.</p> <p>Will be 0's for AY 2017-2018 and beyond</p>	Numeric	6	162	167	Optional
Published Program Length Months	<p>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.</p> <p>Implied Decimal Format: XXX.XXX = XXXXXX</p> <p>Optional for AY 2016-2017 and prior.</p>	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	<p>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.</p> <p>Implied Decimal Format: XXX.XXX = XXXXXX</p> <p>Optional for AY 2016-2017 and prior.</p> <p>Will be 0's for AY 2017-2018 and beyond</p>	Numeric	6	174	179	Optional
Weeks Program Academic Year	<p>This is the total number of weeks of instruction in the program's academic year.</p> <p>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.</p> <p>Only for Direct Loan Subsidized awards.</p> <p>Implied Decimal Format: XXX.XXX = XXXXXX</p> <p>Will be required if Published Programs Weeks and Months is populated.</p> <p>Optional for AY 2016-2017 and prior.</p>	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: 21, for 2020-2021 School Code: X00000-X99999 where X = G or E MPN Sequence Number: 999 – 001 (decrementing format; for EMPN only) Example: '001010001M21G99999001' 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
	<p>C = Closed</p> <p>I = Inactive</p> <p>E = Inactive due to the linking of a PLUS loan with an endorser</p> <p>Blank = Not Set</p>					
MPN Expiration Date	<p>Indicates the date when an MPN will expire.</p> <p>Format: CCYYMMDD or 0's</p>	Date	8	209	216	Optional
Booked Amount	<p>Total net amount of disbursements accepted and booked.</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXXXVXX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p> <p>Default set to 0's</p>	Numeric	16	217	232	Optional
Booked Date	<p>The date the loan booked on COD.</p> <p>Format: CCYYMMDD or 0's</p>	Date	8	233	240	Optional
Discharge Type	<p>Indicates the type of discharge accepted for the student. It includes:</p> <p>C = Closed School</p> <p>F = False Certification Ability to benefit</p> <p>M = False Certification - Disqualifying Status</p> <p>U = Unpaid Refund</p> <p>G = Unauthorized Signature/Unauthorized Payment</p> <p>X = Bankruptcy</p>	Alphanumeric	1	241	241	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	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: 'XXXXXXXXXXXXXXXX,XX' Valid Values: '-9999999999999999' 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. Blank = Not set	Alphanumeric	1	266	266	Optional
Six Month Deferment Option	Indicates whether student has opted in for the six month deferment option.	Alphanumeric	1	267	267	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>Valid Values:</p> <p>Y = Yes, student has selected six month deferment option.</p> <p>N = No, student has not selected six month deferment option.</p> <p>Blank = Not set</p>					
Borrower SSN	<p>This is the borrower's SSN that is entered by the user to retrieve borrower information.</p> <p>Format: 001010001 to 999999998</p> <p>Default set to 0's</p>	Numeric	9	268	276	Optional
Alien Registration Number	<p>The borrower's Alien Registration Number.</p> <p>Valid Format: 0000000000 to 9999999999</p> <p>Blank</p>	Alphanumeric	10	277	286	Optional
Borrower Date of Birth	<p>The borrower's current date of birth.</p> <p>Format: CCYYMMDD or 0's</p>	Date	8	287	294	Optional
Borrower First Name	<p>The borrower's first name given to a person at birth or through legal change.</p> <p>If award type is DLP and no first name found on COD then populate 'NFN'.</p> <p>If award type is DLS or DLU and borrower information is not expected, then this field may be blank.</p>	Alphanumeric	30	295	324	Optional
Borrower Middle Initial	<p>The borrower's middle name at one character.</p> <p>Default to blank</p>	Alphanumeric	1	325	325	Optional
Borrower Last Name	<p>The borrower's last name or surname by which a person is legally known.</p>	Alphanumeric	35	326	360	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>If award type is DLP and no last name found on COD then populate 'NLN'.</p> <p>If award type is DLS or DLU and borrower information is not expected, then this field may be blank.</p>					
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	<p>Valid State code of borrower's permanent address.</p> <p>Valid State Code Values in Appendix A.</p> <p>If borrower is foreign, populate 'FC'.</p>	Alphanumeric	2	471	472	Optional
Permanent Borrower ZIP Code	<p>Zip or postal code of borrower's permanent address.</p> <p>Default to zeros</p>	Alphanumeric	17	473	489	Optional
Permanent Borrower Country	<p>Valid Country Code of borrower's permanent address.</p> <p>Valid Country Code Values in Appendix B.</p>	Alphanumeric	2	490	491	Optional
Temporary Borrower Street Address 1	Line 1 of borrower's temporary address.	Alphanumeric	40	492	531	Optional
Temporary Borrower Street Address 2	Line 2 of borrower's temporary address.	Alphanumeric	40	532	571	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or 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 on COD - School Batches common records.	Alphanumeric	128	787	914	Optional
Loan Servicer	The TIVAS servicer assigned to the student. Examples: 578 = Dept. of Ed. Sallie Mae	Numeric	3	915	917	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	579 = Dept. of Ed. PHEEA 580 = Dept. of Ed. Nelnet 581 = Dept. of Ed. Great Lakes Can be 0's					
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 Financial Award Begin and End dates. Implied Decimal Format: XXXX.XXX = XXXXvXXX Example: 0100.123 = 0100123	Numeric	7	928	934	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
COD Maximum Subsidized Eligibility Period	<p>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.</p> <p>Field will be populated if SULA = 'Y'</p> <p>Only for Direct Loan Subsidized awards.</p> <p>Implied Decimal</p> <p>COD will populate the last two decimals with 00</p> <p>Format: XXX.XXX = XXX_vXXX</p> <p>Example: 005.500 = 005500</p>	Numeric	6	935	940	Optional
Actual Subsidized Usage Period	<p>The period of subsidized aid covered by this award if it has at least one actual disbursement. Field will be populated if SULA = 'Y'</p> <p>Only for Direct Loan Subsidized awards.</p> <p>Implied Decimal</p> <p>COD will populate the last two decimals with 00</p> <p>Format: XXX.XXX = XXX_vXXX</p> <p>Example: 005.500 = 005500</p>	Numeric	6	941	946	Optional
Anticipated Subsidized Usage Period	<p>The period of subsidized aid covered by this award if it does not have any actual disbursements. Field will be populated if SULA = 'Y'</p> <p>Only for Direct Loan Subsidized awards.</p> <p>Implied Decimal</p> <p>COD will populate the last two decimals with 00</p>	Numeric	6	947	952	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>Format: XXX.XXX = XXX_vXXX</p> <p>Example: 005.500 = 005500</p>					
COD Remaining Actual Subsidized Eligibility Period	<p>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'</p> <p>Only for Direct Loan Subsidized awards.</p> <p>Implied Decimal</p> <p>COD will populate the last two decimals with 00</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Format:</p> <p>If positive = '0XXXXXX'</p> <p>If negative = '-XXXXXX'</p> <p>Example: 005.500 = 005500</p>	Numeric	7	953	959	Optional
COD Remaining Anticipated Subsidized Eligibility Period	<p>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'</p> <p>Only for Direct Loan Subsidized awards.</p> <p>Implied Decimal</p>	Numeric	7	960	966	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>COD will populate the last two decimals with 00</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Format:</p> <p>If positive = '0XXXXXX'</p> <p>If negative = '-XXXXXX'</p> <p>Example: 005.500 = 005500</p>					
Sum Anticipated Subsidized Usage Periods	<p>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.'</p> <p>Only for Direct Loan Subsidized awards.</p> <p>Implied Decimal</p> <p>COD will populate the last two decimals with 00</p> <p>Format: XXX.XXX = XXX_vXXX</p> <p>Example: 005.500 = 005500</p>	Numeric	6	967	972	Optional
Actual Non-Cred Teacher Cert Sub Usage Period	<p>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'</p> <p>Only for Direct Loan Subsidized awards.</p> <p>Implied Decimal</p> <p>COD will populate the last two decimals with 00</p> <p>Format: XXX.XXX = XXX_vXXX</p>	Numeric	6	973	978	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Example: 005.500 = 005500					
Anticipated Non-Cred Teacher Cert Sub Usage Period	<p>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'</p> <p>Only for Direct Loan Subsidized awards.</p> <p>Implied Decimal</p> <p>COD will populate the last two decimals with 00</p> <p>Format: XXX.XXX = XXX_vXXX</p> <p>Example: 005.500 = 005500</p>	Numeric	6	979	984	Optional
Remaining Actual Non-Cred Teacher Cert Sub Eligibility Period	<p>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'</p> <p>Only for Direct Loan Subsidized awards.</p> <p>Implied Decimal</p> <p>COD will populate the last two decimals with 00</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Format:</p> <p>If positive = '0XXXXXX'</p> <p>If negative = '-XXXXXX'</p> <p>Example: 005.500 = 005500</p>	Numeric	7	985	991	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Remaining Anticipated Sum Non-Cred Teacher Cert Sub Eligibility Period	<p>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'</p> <p>Only for Direct Loan Subsidized awards.</p> <p>Implied Decimal</p> <p>COD will populate the last two decimals with 00</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Format:</p> <p>If positive = '0XXXXXX'</p> <p>If negative = '-XXXXXX'</p> <p>Example: 005.500 = 005500</p>	Numeric	7	992	998	Optional
Sum Anticipated Non-Cred Teacher Cert Sub Usage Periods	<p>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'</p> <p>Only for Direct Loan Subsidized awards.</p> <p>Implied Decimal</p> <p>COD will populate the last two decimals with 00</p>	Numeric	6	999	1004	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Format: XXX.XXX = XXX _v XXX Example: 005.500 = 005500					
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 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	1009	1010	Optional
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.	Alphanumeric	2	1011	1012	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 Code	<p>The ability to benefit (Direct Loan, Pell and TEACH) test code</p> <p>Valid Values: 00 - 99</p> <p>Optional for AY 2013-2014 and forward.</p> <p>Will be blank for AY 2012-2013 and prior</p>	Alphanumeric	2	1013	1014	Optional
Ability to Benefit State Code	<p>The ability to benefit (Direct Loan, Pell and TEACH) state code</p> <p>Refer to Appendix A for valid values for state codes</p> <p>Optional for AY 2013-2014 and forward.</p> <p>Will be blank for AY 2012-2013 and prior</p>	Alphanumeric	2	1015	1016	Optional
Ability to Benefit Complete Date	<p>The ability to benefit (Direct Loan, Pell and TEACH) complete date</p> <p>Format: CCYYMMDD or 0's</p> <p>Optional for AY 2013-2014 and forward.</p> <p>Will be 0's for AY 2012-2013 and prior</p>	Date	8	1017	1024	Optional
Informed Borrowing Completion	<p>A value of Y indicates a borrower has acknowledged their loan balance on StudentAid.gov</p> <p>A value of N indicates a borrower has not yet acknowledged their loan balance on StudentAid.gov</p> <p>Starting with AY 2020-2021, a borrower is required to complete informed borrowing on StudentAid.gov before school disburses actual DL disbursement</p>	Alphanumeric	1	1025	1025	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Will be blank for AY 2019-2020 and prior.					
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

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Financial Award ID	<p>The student's unique award identifier. It includes the following elements for Direct Loan program:</p> <p>Student's SSN: 001010001-999999998</p> <p>Loan Type: S = Subsidized U = Unsubsidized P = PLUS for parent and graduate/professional Borrowers</p> <p>Program Year: 21, for 2020-2021</p> <p>School Code: X00000-X99999 where X = G or E</p> <p>Award Sequence Number: 001-999</p> <p>Example: '001010001S21G00000001'</p>	Alphanumeric	21	13	33	Required
Disbursement Number	<p>Indicates the number of the disbursement.</p> <p>Valid Values: 00-99</p>	Numeric	2	34	35	Required
Disbursement Sequence Number	<p>Number that determines the order in which transactions must be processed for a given disbursement number.</p> <p>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.</p> <p>Valid Values: 00-89, COD TRANSACTIONS for all programs</p>	Numeric	2	36	37	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Valid Values: 90-99 – Payment to Servicer for DL and TEACH					
Gross Transaction Amount	<p>The gross disbursement amount the borrower is obligated to repay as a result of this disbursement.</p> <p>Positive (Negative) value indicates the amount owed.</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXX_vXX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p>	Numeric	16	38	53	Required
Gross Adjustment Amount	<p>The amount by which to increase (decrease) the Gross Transaction amount.</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXX_vXX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p>	Numeric	16	54	69	Optional
Fee Transaction Amount	<p>The disbursement fee amount.</p> <p>Positive (Negative) value indicates the fee applied against the disbursement amount.</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXX_vXX'</p>	Numeric	16	70	85	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Valid Values: '-9999999999999999' to '0999999999999999'					
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,XX' Valid Values: '-9999999999999999' 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 Format: 'XXXXXXXXXXXXX,XX' Valid Values: '-9999999999999999' to '0999999999999999'	Numeric	16	102	117	Required
Rebate Adjustment Amount	The change in the interest rebate amount. Positive (Negative) value indicates the adjustment rebate amount to apply against the disbursement amount.	Numeric	16	118	133	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXX,XX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p> <p>Default to 0's</p>					
Net Transaction Amount	<p>The net disbursement amount.</p> <p>Positive (Negative) value indicates the amount owed.</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXX,XX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p>	Numeric	16	134	149	Required
Net Adjustment Amount	<p>The amount by which to increase (decrease) the Net Transaction amount.</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXX,XX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p> <p>Default to 0's</p>	Numeric	16	150	165	Optional
Disbursement Date	<p>This is disbursement date associated with the disbursement number as reported by the schools to the COD system.</p>	Date	8	166	173	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Format: CCYYMMDD or 0's					
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: F = Full-Time Q = Three Quarters-Time H = Half-Time Blank	Alphanumeric	1	207	207	Optional
Program CIP Code	Description of student CIP Code. Implied Decimals Format: XX.XXXX = XX,XXXX Example: 01.0001 = 010001	Alphanumeric	6	208	213	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Cannot be blank					
Payment to Servicer Flag	<p>Indicates a payment to the servicer has been made for Direct Loan program.</p> <p>Valid Values: Y = Payment to Servicer has been made. N = Payment to Servicer has not been made.</p>	Alphanumeric	1	214	214	Required
Payment To Servicer Amount	<p>Amount of payment sent to the servicer by the borrower.</p> <p>Positive Values indicates a reduction on the payment.</p> <p>Negative Values indicate a payment to the servicer.</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXX_vXX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p> <p>Default to 0's</p>	Numeric	16	215	230	Optional
Payment To Servicer Date	<p>Date the servicer posted the payment to the student's account.</p> <p>Format: CCYYMMDD or 0's</p>	Date	8	231	238	Optional
Special Programs	<p>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> <p>'P' = Preparatory Coursework Graduate Professional Program</p>	Alphanumeric	1	239	239	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>'U' = Preparatory Coursework Undergraduate</p> <p>'T' = Non-Credential Teacher Certification</p> <p>'A' = Special Admissions Associate Degree</p> <p>'B' = Bachelor Degree Completion Program</p> <p>'N' = Not Applicable</p> <p>Blank</p> <p>This field is optional for AY 2017-2018 and beyond. All AY's prior will be blank.</p>					
Program Credential Level	<p>This is the credential level of the program that is being covered by aid. The valid values for Program Credential Level are:</p> <p>01 = Undergraduate certificate or diploma program</p> <p>02 = Associate's degree</p> <p>03 = Bachelor's degree</p> <p>04 = Post Baccalaureate certificate</p> <p>05 = Master's degree</p> <p>06 = Doctoral degree</p> <p>07 = First Professional degree</p> <p>08 = Graduate/Professional certificate</p> <p>99 = Non-credential programs (preparatory coursework/teacher certification)</p> <p>Blank</p> <p>Required for DLS, DLU, DLP beginning award year 2017-2018.</p> <p>This field is optional for AY 2017-2018 and beyond. All AY's prior will be blank.</p>	Alphanumeric	2	240	241	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Published Program Length Years	<p>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.</p> <p>Implied Decimal Format: XX.XXX = XXXXX</p> <p>This field is optional for AY 2017-2018 and beyond. Will be 0's for AY 2016-2017 and prior.</p>	Numeric	5	242	246	Optional
Published Program Length Months	<p>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.</p> <p>Implied Decimal Format: XX.XXX = XXXXX</p> <p>This field is optional for AY 2017-2018 and beyond. Will be 0's for AY 2016-2017 and prior.</p>	Numeric	5	247	251	Optional
Published Program Length Weeks	<p>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.</p> <p>Implied Decimal Format: XXX.XXX = XXXXXX</p> <p>This field is optional for AY 2017-2018 and beyond. Will be 0's for AY 2016-2017 and prior.</p>	Numeric	6	252	257	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Weeks Program Academic Year	<p>This is the total number of weeks of instruction in the program's academic year.</p> <p>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.</p> <p>Only for Direct Loan Subsidized awards.</p> <p>Implied Decimal</p> <p>Format: XXX.XXX = XXXXXX</p> <p>This field is optional for AY 2017-2018 and beyond.</p> <p>Will be 0's for AY 2016-2017 and prior</p> <p>Required if Published Program Length Months or Published Program Length Weeks are populated.</p>	Numeric	6	258	263	Optional
Program CIP Code Year	<p>This field is required for Award Year 2020-2021 and forward.</p> <p>Format: 'CCYY'</p> <p>Will always be blank for AY 2019-2020 and prior.</p>	Date	4	264	267	Required

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. Valid Values: 00000000 to 99999999	Alphanumeric	8	42	49	Required
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

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Award Amount	<p>The total award amount that the student is eligible to receive as determined by the school.</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXXXXXXX,XX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p>	Numeric	16	65	80	Required
Additional Eligibility Indicator	<p>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.</p> <p>Blank is valid</p>	Alphanumeric	1	81	81	Required
Transaction Number	<p>As assigned by CPS to student's "paid on transaction" sent to COD by the school.</p> <p>Valid values: 01-99</p>	Numeric	2	82	83	Required
Cost of Attendance	<p>Students cost to attend the Attended School.</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXXXXXXX,XX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p>	Numeric	16	84	99	Required
Scheduled Award	<p>Maximum Award Amount that a student qualifies for.</p>	Numeric	16	100	115	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Amount	<p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXXXXX,XX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p>					
Total Disbursed Amount	<p>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.</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXXXXX,XX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p> <p>Can be 0's (for anticipated awards)</p>	Numeric	16	116	131	Required
Enrollment Date	<p>Accepted Enrollment Date. Range: 10/1 of AY(-1) – 6/30 of AY2 (Ex: for AY2021, range is 20191001 - 20210630)</p> <p>Format: CCYYMMDD</p> <p>Default to 0's</p>	Date	8	132	139	Required
Verification Status	<p>Verification status code submitted to COD by the School.</p> <p>V: Verified</p> <p>W: Without Documentation</p> <p>S: Selected Not Verified</p> <p>Blank</p>	Alphanumeric	1	140	140	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
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 Used (TEU)	Calculated as sum of all Percent Eligibility Used for all Pell 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 = XXXXXXXX Example: 012.3454 = 0123454 Default to 0's for negative or not set TEU values	Numeric	7	155	161	Required
Eligibility Used (EU)	Percent Eligibility Used at this school for all Pell awards for this award year when the reported award type is Pell.	Numeric	7	162	168	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>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').</p> <p>Default to 0's Implied Decimal: 999v9999 Format: XXX.XXXX = XXXXXXXX Example: 012.3454 = 0123454 Default to 0's for negative or not set EU values</p>					
IASG Flag	<p>Indicates that the student is a recipient of an Iraq and Afghanistan Service Grant Award.</p> <p>'Y' – the reported award is an IASG Award.</p> <p>'N' – the reported award is a Pell Award.</p> <p>Will not populate with Blank.</p>	Alphanumeric	1	169	169	Required
Create Date	<p>Date that the award was added to the COD system</p> <p>Format: CCYYMMDD</p>	Date	8	170	177	Required
In Collection Amount	<p>In Collection Amount data</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimal</p> <p>Format: 'XXXXXXXXXXXXXXXX,XX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p>	Numeric	16	178	193	Required
Collected	Collected Amount	Numeric	16	194	209	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Amount	<p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimal</p> <p>Format: 'XXXXXXXXXXXXXX,XX'</p> <p>Valid Values: '-999999999999999' to '099999999999999'</p>					
Collection Status Code	<p>Collection Status Code</p> <p>Valid Values include R, P, C and S</p> <p>Blank</p>	Alphanumeric	1	210	210	Required
Student Eligibility Code	<p>The student eligibility code (Direct Loan, Pell and TEACH)</p> <p>Valid Values: 00 - 99</p> <p>Required for AY 2013-2014 and forward.</p> <p>Will be blank for AY 2012-2013 and prior</p>	Alphanumeric	2	211	212	Optional
Ability to Benefit Test Admin Code	<p>The ability to benefit (Direct Loan, Pell and TEACH) test admin code</p> <p>Valid Values: 00 - 99</p> <p>Optional for AY 2013-2014 and forward.</p> <p>Will be blank for AY 2012-2013 and prior</p>	Alphanumeric	2	213	214	Optional
Ability to Benefit Test Code	<p>The ability to benefit (Direct Loan, Pell and TEACH) test code</p> <p>Valid Values: 00 - 99</p> <p>Optional for AY 2013-2014 and forward.</p> <p>Will be blank for AY 2012-2013 and prior</p>	Alphanumeric	2	215	216	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Ability to Benefit State Code	<p>The ability to benefit (Direct Loan, Pell and TEACH) state code</p> <p>Refer to Appendix A for valid values for state codes</p> <p>Optional for AY 2013-2014 and forward.</p> <p>Will be blank for AY 2012-2013 and prior</p>	Alphanumeric	2	217	218	Optional
Ability to Benefit Complete Date	<p>The ability to benefit (Direct Loan, Pell and TEACH) complete date</p> <p>Format: CCYYMMDD or 0's</p> <p>Optional for AY 2013-2014 and forward.</p> <p>Will be 0's for AY 2012-2013 and prior</p>	Date	8	219	226	Optional
CFH Indicator	<p>This field is used to indicate eligibility for an increased Pell award under the Children of Fallen Heroes Scholarship Act. When = "Y" the Scheduled Award Amount is calculated with zero EFC regardless of the EFC on the CPS transaction.</p> <p>For Award Year 2018-2019 and 2019-2029, this field is submitted by School via COD Web only.</p> <p>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.</p> <p>If the reported award is an IASG award (i.e. IASG Flag = 'Y'), this field will be Blank or N.</p> <p>Y/N</p>	Alphanumeric	1	227	227	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	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 Will be all 0's	Numeric	21	13	33	Optional
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.	Numeric	16	38	53	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXX,XX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p>					
Disbursement Date	<p>This is disbursement date associated with the disbursement number as reported by the schools to the COD system.</p> <p>Format: CCYYMMDD</p>	Date	8	54	61	Required
Enrollment School Code	<p>Indicates the physical location where the student is attending class.</p> <p>Valid Values: 00000001-99999999</p> <p>Can be blank</p>	Alphanumeric	8	62	69	Optional
Disbursement Status	<p>Indicates whether a disbursement status is pending or if it is an actual disbursement.</p> <p>Valid Values: P = Pending A = Actual R = Review</p>	Alphanumeric	1	70	70	Required
Payment Period Start Date	<p>Beginning date of the payment period.</p> <p>Format: CCYYMMDD or 0's</p>	Date	8	71	78	Optional
Posted Date	<p>Date the disbursement was posted.</p> <p>Format: CCYYMMDD or 0's</p>	Date	8	79	86	Optional
Enrollment Status	<p>Determine whether status of student is full time (F), three quarters time (Q), half time (H), or less than half-time (L).</p>	Alphanumeric	1	87	87	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>Valid Values:</p> <p>F = Full-Time</p> <p>Q = Three Quarters-Time</p> <p>H = Half-Time</p> <p>L = Less than Half-Time</p> <p>Blank</p>					
Program CIP Code	<p>Description of student CIP Code</p> <p>Implied Decimal</p> <p>Format: XX.XXX = XXXXX</p> <p>Example: 01.0001 = 010001</p> <p>Cannot be blank</p>	Alphanumeric	6	88	93	Required
Special Programs	<p>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> <p>'P' = Preparatory Coursework Graduate Professional Program</p> <p>'U' = Preparatory Coursework Undergraduate</p> <p>'T' = Non-Credential Teacher Certification</p> <p>'A' = Special Admissions Associate Degree</p> <p>'B' = Bachelor Degree Completion Program</p> <p>'N' = Not Applicable</p> <p>This field is optional for AY 2017-2018 and beyond. All AY's prior will be blank.</p>	Alphanumeric	1	94	94	Optional
Program Credential Level	<p>This is the credential level of the program that is being covered by aid. The valid values for Program Credential Level are:</p> <p>01 = Undergraduate certificate or diploma program</p> <p>02 = Associate's degree</p> <p>03 = Bachelor's degree</p>	Alphanumeric	2	95	96	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>04 = Post Baccalaureate certificate</p> <p>05 = Master's degree</p> <p>06 = Doctoral degree</p> <p>07 = First Professional degree</p> <p>08 = Graduate/Professional certificate</p> <p>99 = Non-credential programs (preparatory coursework/teacher certification)</p> <p>This field is optional for AY 2017-2018 and beyond. All AY's prior will be blank.</p>					
Published Program Length Years	<p>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.</p> <p>Implied Decimal</p> <p>Format: XX.XXX = XXXXX</p> <p>This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.</p>	Numeric	5	97	101	Optional
Published Program Length Months	<p>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.</p> <p>Implied Decimal</p> <p>Format: XX.XXX = XXXXX</p> <p>This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.</p>	Numeric	5	102	106	Optional
Published Program Length Weeks	<p>The length in weeks of a school's published program that is submitted by the school and COD will process from the Common Record.</p>	Numeric	6	107	112	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>Implied Decimal Format: XXX.XXX = XXXXXX</p> <p>This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.</p>					
Weeks Program Academic Year	<p>This is the total number of weeks of instruction in the program's academic year.</p> <p>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.</p> <p>Implied Decimal Format: XXX.XXX = XXXXXX</p> <p>This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.</p>	Numeric	6	113	118	Optional
Program CIP Code Year	<p>This field is required for Award Year 2020-2021 and forward.</p> <p>Format: 'CCYY'</p> <p>Will always be blank for AY 2019-2020 and prior.</p>	Date	4	119	122	Required

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	<p>This is the Student's SSN that is entered by the user to retrieve student information.</p> <p>Left justified.</p> <p>Format: 001010001 to 999999998</p>	Numeric	9	4	12	Required
Financial Award ID	<p>The student's unique award identifier. It includes the following elements for TEACH program:</p> <p>Student's SSN: 001010001-999999998</p> <p>Award Type: H = TEACH</p> <p>Program Year: 21, for 2020-2021</p> <p>School Code: 000000-099999</p> <p>Award Sequence Number: 001-999</p> <p>Example: '001010001H21000000001'</p>	Alphanumeric	21	13	33	Required
Award Type	<p>Indicates the student's award type.</p> <p>Valid values: TCH = TEACH</p>	Alphanumeric	3	34	36	Required
Award Amount	<p>The total award amount that the student is eligible to receive as determined by the school.</p> <p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXXX_vXX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p>	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 = 1 st Year Undergraduate (No previous) 1 = 1 st Year Undergraduate (Previous) 2 = 2 nd Year Undergraduate 3 = 3 rd Year Undergraduate 4 = 4 th Year Undergraduate 5 = 5 th Year Undergraduate 6 = 1 st 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 AY2021, range is 20191001 - 20210630) Default to 0's	Date	8	87	94	Required
Discharge Type	Indicates the type of discharge accepted for the student. It includes: 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. First space either has negative sign for negative values or 0 for positive values. Implied Decimals	Numeric	16	104	119	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>Format: 'XXXXXXXXXXXXXXXXVXX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p> <p>Default to 0's</p>					
Loan Servicer	<p>The TIVAS servicer assigned to the student.</p> <p>Examples: 578 = Dept. of Ed. Sallie Mae 579 = Dept. of Ed. PHEEA 580 = Dept. of Ed. Nelnet 581 = Dept. of Ed. Great Lakes</p> <p>Can be 0's</p>	Numeric	3	120	122	Optional
TEACHER Expert Indicator	<p>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)</p> <p>Y/N or blank</p>	Alphanumeric	1	123	123	Required
Student Eligibility Code	<p>The student eligibility code (Direct Loan, Pell and TEACH)</p> <p>Valid Values: 00 - 99</p> <p>Required for AY 2013-2014 and forward.</p> <p>Will be blank for AY 2012-2013 and prior</p>	Alphanumeric	2	124	125	Optional
Ability to Benefit Test Admin Code	<p>The ability to benefit (Direct Loan, Pell and TEACH) test admin code</p> <p>Valid Values: 00 - 99</p> <p>Optional for AY 2013-2014 and forward.</p> <p>Will be blank for AY 2012-2013 and prior</p>	Alphanumeric	2	126	127	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or 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	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
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

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Financial Award ID	<p>The student's unique award identifier. It includes the following elements for TEACH program:</p> <p>Student's SSN: 001010001-999999998</p> <p>Award Type: H = TEACH</p> <p>Program Year: 21, for 2020-2021</p> <p>School Code: 000000-099999</p> <p>Award Sequence Number: 001-999</p> <p>Example: '001010001H21000000001'</p>	Alphanumeric	21	13	33	Required
Disbursement Number	<p>Indicates the number of the disbursement.</p> <p>Valid Values: 00-99</p>	Numeric	2	34	35	Required
Disbursement Sequence Number	<p>Number that determines the order in which transactions must be processed for a given disbursement number.</p> <p>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.</p> <p>Valid Values: 00-89 TO COD TRANSACTIONS for all programs</p> <p>Valid Values: 90-99 – Payment to Servicer for DL and TEACH</p>	Numeric	2	36	37	Required
Disbursement Amount	<p>The disbursement amount.</p> <p>Positive (Negative) value indicates the amount owed.</p>	Numeric	16	38	53	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>First space either has negative sign for negative values or 0 for positive values.</p> <p>Implied Decimals</p> <p>Format: 'XXXXXXXXXXXXX,XX'</p> <p>Valid Values: '-9999999999999999' to '0999999999999999'</p>					
Disbursement Date	<p>This is disbursement date associated with disbursement number as reported by the schools to the COD system.</p> <p>Format: CCYYMMDD</p>	Numeric	8	54	61	Required
Enrollment School Code	<p>Indicates the physical location where the student is attending class.</p> <p>Valid Values: 00000001-99999999</p> <p>Blank</p>	Alphanumeric	8	62	69	Optional
Disbursement Status	<p>Indicates whether a disbursement status is pending or if it is an actual disbursement.</p> <p>Valid Values: P = Pending A = Actual R = Review</p>	Alphanumeric	1	70	70	Required
Payment Period Start Date	<p>Beginning date of the payment period.</p> <p>Format: CCYYMMDD or 0's</p>	Date	8	71	78	Optional
Booked Date	<p>Date the disbursement was booked.</p> <p>Format: CCYYMMDD or 0's</p>	Date	8	79	86	Optional
Posted Date	<p>Date the disbursement was posted.</p> <p>Format: CCYYMMDD or 0's</p>	Date	8	87	94	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Enrollment Status	<p>Determines whether status of student is full time (F), three (Q) quarters time, half-time (H), or less than half-time (L).</p> <p>Valid Values:</p> <p>F = Full-Time</p> <p>Q = Three Quarters-Time</p> <p>H = Half-Time</p> <p>L = Less than Half-Time</p> <p>Blank</p>	Alphanumeric	1	95	95	Optional
Program CIP Code	<p>Description of student CIP Code.</p> <p>Implied Decimals</p> <p>Format: XX.XXXX = XX,XXXX</p> <p>Example: 01.0001 = 010001</p> <p>Cannot be blank</p>	Alphanumeric	6	96	101	Required
Special Programs	<p>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> <p>'P' = Preparatory Coursework Graduate Professional Program</p> <p>'U' = Preparatory Coursework Undergraduate</p> <p>'T' = Non-Credential Teacher Certification</p> <p>'A' = Special Admissions Associate Degree</p> <p>'B' = Bachelor Degree Completion Program</p> <p>'N' = Not Applicable</p> <p>This field is optional for AY 2017-2018 and beyond. All AY's prior will be blank.</p>	Alphanumeric	1	102	102	Optional
Program Credential Level	<p>This is the credential level of the program that is being covered by aid. The valid values for Program Credential Level are:</p>	Alphanumeric	2	103	104	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>01 = Undergraduate certificate or diploma program</p> <p>02 = Associate's degree</p> <p>03 = Bachelor's degree</p> <p>04 = Post Baccalaureate certificate</p> <p>05 = Master's degree</p> <p>06 = Doctoral degree</p> <p>07 = First Professional degree</p> <p>08 = Graduate/Professional certificate</p> <p>99 = Non-credential programs (preparatory coursework/teacher certification)</p> <p>This field is optional for AY 2017-2018 and beyond. All AY's prior will be blank.</p>					
Published Program Length Years	<p>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.</p> <p>Implied Decimal Format: XX.XXX = XXXXX</p> <p>This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.</p>	Numeric	5	105	109	Optional
Published Program Length Months	<p>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.</p> <p>Implied Decimal Format: XX.XXX = XXXXX</p>	Numeric	5	110	114	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.					
Published Program Length Weeks	<p>The length in weeks of a school's published program that is submitted by the school and COD will process from the Common Record.</p> <p>Implied Decimal Format: XXX.XXX = XXXXXX</p> <p>This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.</p>	Numeric	6	115	120	Optional
Weeks Program Academic Year	<p>This is the total number of weeks of instruction in the program's academic year.</p> <p>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.</p> <p>Implied Decimal Format: XXX.XXX = XXXXXX</p> <p>This field is optional for AY 2017-2018 and beyond. All AY's prior will be 0's.</p>	Numeric	6	121	126	Optional
Program CIP Code Year	<p>This field is required for Award Year 2020-2021 and forward.</p> <p>Format: 'CCYY'</p> <p>Will always be blank for AY 2019-2020 and prior.</p>	Date	4	127	130	Required

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

Data Element	Description	Field Format	Length	Start Position	End Position
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 Specification

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

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4.1. Glossary

TERM	DEFINITION

Table **Error! No text of specified style in document.-1**: Glossary

Integration Partner

United States Department of Education

Office of Federal Student Aid

**COD – OIG Master Promissory Note Interface
Interface Control Document**

Version 1.0

Document Reference:

January 31, 2017

Approval Control Sheet

This Interface Control Document was reviewed and approved by the following individuals:

John Kane, COD System Manager

Date

Diana O'Hara, Director, Operations

Date

Once all the approvers sign this control sheet, this document will be placed under change control and will be updated as designs and development changes are made.

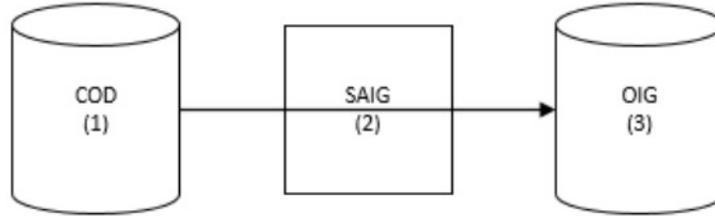
Interface Control Document
COD-OIG Master Promissory Note

Interface Control Specification

Interface Name:	COD-OIG Master Promissory Note
Interface Type:	Unidirectional
Interface Short Description:	<p>This document defines the processes utilized by COD and OIG to transport the Master Promissory Note suite of files via SAIG.</p> <p>COD produces the Master Promissory Note suite of files to provide OIG with a monthly record of master promissory note data. These files will be extracted and transmitted to OIG on the fourth Saturday of every month. The files will report all master promissory note data processed by COD since the previous transmission.</p>
Source Application:	<p>COD is the source of the Master Promissory Note data</p> <p>Midrange File Name: MPN.<TIMESTAMP> Timestamp format: D'yyMMdd'.T'HHmmss'.R'SSS</p>
Destination Application:	OIG receives the Master Promissory Note Data
Functional Requirement References:	COD Requirement Definition Documents (RDDs)
Related Unit Test Document:	N/A
Other Related Interfaces:	
Interface Usage Frequency:	OIG will process the files monthly
Interface Usage Volume:	<p>Average Number of Records 622,000 per month Estimated Peak Number of Records 1.5 million per month</p>

Interface Overview – Master Promissory Note Information

Flow Diagram:



Flow Diagram Description

1. The COD system will initiate a secure link to OIG via SAIG mailbox.
2. The Master Promissory Note files will be transferred to OIG.
3. The COD system will close the secure link to OIG.

Source (COD) System Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	IBM	Midrange Server	X6
2	Operating System	Red Hat	Red Hat Enterprise Linux	6.8
3	Transmission Protocol	IBM	WebSphere MQ	7.5.0.6
4	DBMS	Oracle	Oracle	12.1
5	Transmission Software	Metastorm	Data Integrator	4.4.1.9

Location Information

#	Type	Info
1	Production System Location	Columbus, GA
2	Contracting Organization	Accenture/TSYS
3	Developer Location	Washington, DC

Requesting (OIG) System Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Operating System	Microsoft	Windows	2012
2	Transmission Software	bTrade	TDCconnect	

Interface Control Document
COD-OIG Master Promissory Note

Location Information

#	Type	Info
1	Production System Location	Bethesda, MD
2	Contracting Organization	Department of Education
3	Developer Location	Bethesda, MD

Requesting (OIG) System Responsibilities

OIG Functional Specifications (source system)

#	Description
1	COD will extract Master Promissory Note data from the COD Oracle database.
2	The extracted data will be saved to flat files
3	The data extracted will be formatted as specified in the File Specification section.
4	The MPN Application data will be saved to an "MPN" file
4.1	The "SAIG Header record" will be the first record in the MPN file The "File Header record" will be the second record in the MPN file The "Trailer Record" will be the second-to-last record in the MPN file The "SAIG Trailer Record" will be the last record in the MPN file The "MPN Application" records will be between the header and trailer records in the MPN Application file
5	The MPN Reference data will be saved to an "MPN Reference" file
5.1	The "SAIG Header record" will be the first record in the MPN Reference file The "Header record" will be the first record in the MPN Reference file The "Trailer Record" will be the last record in the MPN Reference file The "SAIG Trailer Record" will be the last record in the MPN Reference file The "MPN Reference" records will be between the header and trailer records in the MPN Reference file
6	The MPN Reference data will be saved to an "MPN Events" file
6.1	The "SAIG Header record" will be the first record in the MPN Events file The "Header record" will be the first record in the MPN Events file The "Trailer Record" will be the last record in the MPN Events file The "SAIG Trailer Record" will be the last record in the MPN Events file The "MPN Events" records will be between the header and trailer records in the MPN Events file
7	The Master Promissory Note file will be transferred to OIG via SAIG

COD/OIG Master Promissory Note Files

This interface enables OIG to retrieve the Master Promissory Note files containing changes since the previous feed. These flat files will be sent through SAIG. They will be sent once monthly on the 4th Saturday of the month. The COD System will provide the OIG with 5 types of records within the flat file suite:

- Header
- Trailer
- MPN – The MPN Application Record informs OIG that a borrower has completed a Master Promissory. Each MPN Data Record (MPN) does not have to be associated with an MPN Reference Record (REF), but can be associated with many. Each MPN Application Record (MPN) does not have to be associated with an MPN Events Record (EVN), but can be associated with many.
- REF – The MPN Reference Record must be associated with an MPN Application Record (MPN)
- EVN – The MPN Events Record does not have to be associated with an MPN Application Record (MPN), but can be associated with only one.

Business Rules

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.
All optional fields	If blank/null, fill length of field with spaces.

File Specification – MPN Data

File SAIG Header Record: SAIG Transmission Batch Header Record (example: O*N05TGXXXXX where XXXXX is an alphanumeric mailbox address) found in TD Client 3.2 - **Host Communications Guide**

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N05"	<i>Missing Transmission Trailer – Reject Transmission; No detail records – Reject Transmission</i>
6	12	7	A/N	Header Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned to Destination	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header Class Label	Constant: ",CLS = "	
25	32	8	A/N	Header Message Class	Production MPNDATOP Test MPTDATOP	
33	36	4	A/N	Header XXX Label	Constant: ",XXX"	
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: ",BAT = "	
42	58	17	A/N	Header Batch label	Batch ID: "0000000000000000"	
59	64	6	A/N	Header Batch ID	Constant: ",NCT = "	

Interface Control Document
COD-OIG Master Promissory Note

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
65	70	6	N	Header NCNT Label	“000000”	
		Xx	A	Unused	Constant spaces	
		≥ 80		Total Record Length		

Header Record:

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	‘HDR’ – Represents Header	Alphanumeric	3	1	3
Header Title	Value ‘MASTER PROMISSORY NOTE APPLICATION HEADER ’	Alphanumeric	42	4	45
Submittal Date/Time	Timestamp for when the file was submitted. Format: CCYYMMDDHHMMSSMMMMMM No punctuation.	Timestamp	20	46	65
MPN Record Count	Total count of MPN record type	Numeric	9	66	71

MPN Application Record:

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	‘MPN’ - Represents the MPN Application Record	Alphanumeric	3	1	3	Required
Insert/Update Indicator	Indicator of Insert (I) or Update (U) record	Alphanumeric	1	4	4	Required
MPN ID	Master Promissory Note Identifier. SSN + M or N + Award Year + 6 digit DL School Code + 3 digit Sequence Number	Alphanumeric	23	5	27	Required
Borrower Customer ID	Customer ID of Borrower	Numeric	10	28	37	Required
Student Customer ID	Customer ID of Student	Numeric	10	38	47	Optional
MPN Type	Master Promissory Note Type Valid Values: M (Sub/Unsub) or N (PLUS)	Alphanumeric	1	48	48	Required
Loan Type	Loan Type Valid Values: G (Grad PLUS) or N (Parent PLUS)	Alphanumeric	1	49	49	Optional
Expiration Reason	Expiration Reason Code	Alphanumeric	2	50	51	Optional
Hold Reason	Hold Reason Code	Alphanumeric	1	52	52	Optional
Previous MPN Status	Previous MPN Status	Alphanumeric	1	53	53	Optional

Interface Control Document
COD-OIG Master Promissory Note

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
MPN Status	Master Promissory Note (MPN) Status A = Active I = Inactive C = Closed N= Not on File X = Pending	Alphanumeric c	1	54	54	Required
MPN Source	Source of Master Promissory Note	Alphanumeric c	1	55	55	Required
First Disbursement Date	First Disbursement Date Format CCYYMMDD	Date	8	56	63	Optional
Expiration Date	Date the Promissory Note Expires Format CCYYMMDD	Date	8	64	71	Required
Linked to an Endorser	Is the MPN Linked to an Endorser?	Alphanumeric c	1	72	72	Required
Linked to a Single Year School	Is the MPN linked to a single year school?	Alphanumeric c	1	73	73	Required
Linked Flag	Linked Flag	Alphanumeric c	1	74	74	Required
Academic Year Begin Date	Begin date of the academic year Format CCYYMMDD	Date	8	75	82	Optional
Academic Year End Date	End date of the academic year Format CCYYMMDD	Date	8	83	90	Optional
Latest MPN Change Date	Last date the MPN was changed Format CCYYMMDD	Date	8	91	98	Optional
Closed Date	Date the MPN was closed Format CCYYMMDD	Date	8	99	106	Optional
Loan Amount Requested	Loan Amount Requested	Decimal	18	107	124	Optional
Discharged Date	Date MPN was discharged Format CCYYMMDD	Date	8	125	132	Optional
Authenticated Date	Authenticated Date Format CCYYMMDD	Date	8	133	140	Optional
Authenticated Time	Authenticated Time Format HHMMSS	Time	6	141	146	Optional
Start EMPN Date	Start EMPN Date Format CCYYMMDD	Date	8	147	154	Optional
Start EMPN Time	Start EMPN Time Format HHMMSS	Time	6	155	160	Optional
Reviewed Terms Date	Reviewed Terms Date Format CCYYMMDD	Date	8	161	168	Optional
Reviewed Terms Time	Reviewed Terms Time Format HHMMSS	Time	8	169	176	Optional
Signed Date	Signed Date Format CCYYMMDD	Date	8	177	184	Optional

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COD-OIG Master Promissory Note

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Signed Time	Signed Time Format HHMMSS	Time	6	185	190	Optional
Reviewed and Signed Date	Reviewed and Signed Date Format CCYYMMDD	Date	8	191	198	Optional
PDF Document ID	PDF Document ID	Numeric	9	199	207	Optional
Direct Loan School State	Direct Loan School State	Alphanumeric	6	208	213	Required
Start Date	Start Date Format CCYYMMDD	Date	8	214	221	Required
Start Time	Start Time Format HHMMSS	Time	6	222	227	Required
Award Year	The period of time for which the award is granted, represented by the suffix year of the Award Year (i.e. 2011 for 2010-2011).	Numeric	4	228	231	Required
Maintenance Application	Maintenance Application	Alphanumeric	8	232	239	Required
Received Date	Date MPN was received Format CCYYMMDD	Date	8	240	247	Required
Student Abbreviated Name	First two characters of the Student's last name	Alphanumeric	2	248	249	Optional
Student Date of Birth	Student's Date of Birth Format CCYYMMDD	Date	8	250	257	Optional
Borrower Abbreviated Name	First two characters of the Borrower's last name	Alphanumeric	2	258	259	Required
Borrower Date of Birth	Borrower's Date of Birth Format CCYYMMDD	Date	8	260	267	Required
Create Date	Create Date Format CCYYMMDD	Date	8	268	275	Required
Create Time	Create Time Format HHMMSS	Time	6	276	281	Required
Maintenance Date	Maintenance Date Format CCYYMMDD	Date	8	282	289	Required
Maintenance Time	Maintenance Time Format HHMMSS	Time	6	290	295	Required
Maintenance UserID	Maintenance UserID	Alphanumeric	8	296	303	Required

Trailer Record:

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'TRL' – Represents Trailer Record	Alphanumeric	3	1	3
Trailer Title	Value 'MASTER PROMISSORY NOTE APPLICATION TRAILER '	Alphanumeric	43	4	46

Interface Control Document
COD-OIG Master Promissory Note

MPN Record Count	MPN Record Count	Numeric	9	47	55
------------------	------------------	---------	---	----	----

File SAIG Trailer Record: SAIG Transmission Batch Trailer Record (example: O*N05TGXXXXX where XXXXX is an alphanumeric mailbox address) found in TD Client 3.2 - **Host Communications Guide**

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N95"	Missing Transmission Trailer – Reject Transmission; No detail records – Reject Transmission
6	12	7	A/N	Trailer Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned to Destination	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header Class Label	Constant: ",CLS = "	
25	32	8	A/N	Trailer Message Class	Production MPNDATOP Test MPTDATOP	
33	36	4	A/N	Trailer XXX Label	Constant: ",XXX"	
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: ",BAT = "	
42	58	17	A/N	Trailer Batch label	Batch ID: "0000000000000000"	
59	64	6	A/N	Trailer Batch ID	Constant: ",NCT = "	
65	70	6	N	Trailer NCNT Label	"000000"	
		Xx	A	Unused	Constant spaces	
		≥ 80		Total Record Length		

File Specification – MPN Reference

File SAIG Header Record: SAIG Transmission Batch Header Record (example: O*N05TGXXXXX where XXXXX is an alphanumeric mailbox address) found in TD Client 3.2 - **Host Communications Guide**

Interface Control Document
COD-OIG Master Promissory Note

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N05"	Missing Transmission Trailer – Reject Transmission; No detail records – Reject Transmission
6	12	7	A/N	Header Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned to Destination	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header Class Label	Constant: ",CLS = "	
25	32	8	A/N	Header Message Class	Production MPNREFOP Test MPTREFOP	
33	36	4	A/N	Header XXX Label	Constant: ",XXX"	
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: ",BAT = "	
42	58	17	A/N	Header Batch label	Batch ID: "0000000000000000"	
59	64	6	A/N	Header Batch ID	Constant: ",NCT = "	
65	70	6	N	Header NCNT Label	"000000"	
		Xx	A	Unused	Constant spaces	
		≥ 80		Total Record Length		

Header Record:

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'HDR' – Represents Header	Alphanumeric	3	1	3
Header Title	Value 'MASTER PROMISSORY NOTE REFERENCE HEADER '	Alphanumeric	40	4	43
Submittal Date/Time	Timestamp for when the file was submitted. Format: CCYYMMDDHHMMSSMMMMMM No punctuation.	Timestamp	20	44	63
REF Record Count	Total count of REF record type	Numeric	9	64	72

Interface Control Document
COD-OIG Master Promissory Note

REF Record:

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	'REF' - Represents the Reference Data Record	Alphanumeric	3	1	3	Required
MPN ID	Master Promissory Note Identifier. SSN + M or N + Award Year + 6 digit DL School Code + 3 digit Sequence Number	Alphanumeric	23	4	26	Required
Student SSN	Student Social Security Number	Numeric	9	27	35	Required
Award Year	The period of time for which the award is granted, represented by the suffix year of the Award Year (i.e. 2011 for 2010-2011).	Numeric	4	36	39	Required
Student First Name	Student's First Name	Alphanumeric	30	40	69	Optional
Student Middle Initial	Student's Middle Initial	Alphanumeric	1	70	70	Optional
Student Last Name	Student's Last Name	Alphanumeric	35	71	105	Optional
Student DOB	Student's Date of Birth Format CCYYMMDD	Date	8	106	113	Required
School OPEID	School OPEID	Alphanumeric	8	114	121	Required
School Name	School Name	Alphanumeric	70	122	191	Required
Reference First Name	Reference's First Name on the MPN	Alphanumeric	30	192	221	Optional
Reference Middle Initial	Reference's Middle Initial	Alphanumeric	1	222	222	Optional
Reference Last Name	Reference's Last Name	Alphanumeric	35	223	257	Optional
Reference Phone Number	Reference's Phone Number	Alphanumeric	18	258	275	Optional
Reference Description	User input to describe relationship of reference to the student	Alphanumeric	100	276	375	Optional
Reference Email	Reference's email address	Alphanumeric	50	376	425	Optional

Interface Control Document
COD-OIG Master Promissory Note

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Reference Address 1	Reference Street Address	Alphanumeric	40	426	465	Required
Reference Address 2	Reference Street Address	Alphanumeric	40	466	505	Optional
Reference Address 3	Reference Street Address	Alphanumeric	40	506	545	Optional
Reference City	Reference City	Alphanumeric	19	546	564	Required
Reference Zip Code	Reference Zip Code	Alphanumeric	13	565	577	Optional
Reference State	Reference State	Alphanumeric	3	578	580	Optional
Reference County	Reference County	Alphanumeric	40	581	620	Optional
Reference Country Code	Reference Country Code	Alphanumeric	3	621	623	Optional

Trailer Record:

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'TRL' – Represents Trailer Record	Alphanumeric	3	1	3
Trailer Title	Value 'MASTER PROMISSORY NOTE REFERENCE TRAILER '	Alphanumeric	41	4	44
REF Record Count	Total count of REF record types	Numeric	9	45	53

File SAIG Trailer Record: SAIG Transmission Batch Trailer Record (example: O*N05TGXXXXX where XXXXX is an alphanumeric mailbox address) found in TD Client 3.2 - **Host Communications Guide**

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N95"	Missing Transmission Trailer – Reject Transmission; No detail records – Reject Transmission
6	12	7	A/N	Trailer Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned	

Interface Control Document
COD-OIG Master Promissory Note

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
					to Destination	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header Class Label	Constant: “,CLS = ”	
25	32	8	A/N	Trailer Message Class	Production MPNREFOP Test MPTREFOP	
33	36	4	A/N	Trailer XXX Label	Constant: “,XXX”	
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: “,BAT = ”	
42	58	17	A/N	Trailer Batch label	Batch ID: “0000000000000000”	
59	64	6	A/N	Trailer Batch ID	Constant: “,NCT = ”	
65	70	6	N	Trailer NCNT Label	“000000”	
		Xx	A	Unused	Constant spaces	
		≥ 80		Total Record Length		

File Specification – MPN Events

File SAIG Header Record: SAIG Transmission Batch Header Record (example: O*N05TGXXXXX where XXXXX is an alphanumeric mailbox address) found in TD Client 3.2 - **Host Communications Guide**

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant “O*N05”	Missing Transmission Trailer – Reject Transmission; No detail records – Reject Transmission
6	12	7	A/N	Header Destination Number	‘TGXXXXX’ where ‘XXXXX’ is a five digit number assigned to Destination	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header	Constant: “,CLS = ”	

Interface Control Document
COD-OIG Master Promissory Note

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
				Class Label		
25	32	8	A/N	Header Message Class	Production MPNEVEOP Test MPTEVEOP	
33	36	4	A/N	Header XXX Label	Constant: “,XXX”	
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: “,BAT = ”	
42	58	17	A/N	Header Batch label	Batch ID: “0000000000000000”	
59	64	6	A/N	Header Batch ID	Constant: “,NCT = ”	
65	70	6	N	Header NCNT Label	“000000”	
		Xx	A	Unused	Constant spaces	
		≥ 80		Total Record Length		

Header Record:

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	‘HDR’ – Represents Header	Alphanumeric	3	1	3
Header Title	Value ‘MASTER PROMISSORY NOTE EVENTS HEADER ’	Alphanumeric	37	4	40
Submittal Date/Time	Timestamp for when the file was submitted. Format: CCYYMMDDHHMMSSMMMMMM No punctuation.	Timestamp	20	41	60
EVN Record Count	Total count of EVN record type	Numeric	9	61	69

EVN Record:

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	‘EVN’ - Represents the Event Data Record	Alphanumeric	3	1	3	Required
User SSN	User Social Security Number	Numeric	9	4	12	Required
User DOB	User Date of Birth Format CCYYMMDD	Date	8	11	20	Required
User Last Name	User’s Last Name	Alphanumeric	35	21	55	Optional
User First Name	User’s First Name	Alphanumeric	30	56	85	Optional

Interface Control Document
COD-OIG Master Promissory Note

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
User IP Address	User's IP Address	Alphanumeric	39	86	124	Optional
MPN ID	Associated Master Promissory Note Identifier.	Alphanumeric	23	125	147	Optional
Event Code	AU – Authenticated SN – Start MPN SG – Sign MPN SM – Submit MPN LO - Logout	Alphanumeric	2	148	149	Required
Event Title	Event Title	Alphanumeric	50	150	199	Required
Event Description	Event Description	Alphanumeric	100	200	299	Required
Event Date	Database date of when event was logged Format CCYYMMDD	Date	8	300	307	Required

Trailer Record:

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'TRL' – Represents Trailer Record	Alphanumeric	3	1	3
Trailer Title	Value 'MASTER PROMISSORY NOTE EVENTS TRAILER '	Alphanumeric	38	4	41
EVN Record Count	Total count of EVN record types	Numeric	9	42	50

File SAIG Trailer Record: SAIG Transmission Batch Trailer Record (example: O*N05TGXXXXX where XXXXX is an alphanumeric mailbox address) found in TD Client 3.2 - **Host Communications Guide**

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N95"	Missing Transmission Trailer – Reject Transmission; No detail records – Reject Transmission
6	12	7	A/N	Trailer Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned to Destination	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header Class Label	Constant: ",CLS = "	

Interface Control Document
COD-OIG Master Promissory Note

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
25	32	8	A/N	Trailer Message Class	Production MPNEVEOP Test MPTEVEOP	
33	36	4	A/N	Trailer XXX Label	Constant: ",XXX"	
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: ",BAT = "	
42	58	17	A/N	Trailer Batch label	Batch ID: "0000000000000000"	
59	64	6	A/N	Trailer Batch ID	Constant: ",NCT = "	
65	70	6	N	Trailer NCNT Label	"000000"	
		Xx	A	Unused	Constant spaces	
		≥ 80		Total Record Length		

Interface Assumptions

#	Assumption
	Functional Assumptions
1	COD Oracle database contains information required to create the Master Promissory Note files.
2	OIG will process the Master Promissory Note files. The rules for processing the files are beyond the scope of this document.
3	OIG will not create or send response files.

Interface Dependencies

In the event that OIG is not able to complete systematic Inter-system testing (IST) of this project during the IST testing window, OIG agrees to perform visual validation of records and record layouts to assist COD in its systematic testing of the expedited migration. COD agrees to move the code into production during the expedited migration implementation weekend at risk of not performing joint systematic IST. Once the layout specifications are visually validated, the interface is assumed valid. Any associated subsequent impacts to COD will be resolved through the COD change control process. Any associated subsequent impacts to OIG will be resolved through the OIG change control process.

Issues and Additional Considerations

There have been no issues or additional considerations identified for this interface.

Reviewers

Name	Date	Team

Common Servicing Schema Layout

Schema Version 1.10
Document Version 9.0
COD Release 19.0

November 25, 2019

Author: Graydon Claflin

Document Version Control

Date	Author	Description	Version
9/1/2015	Michael Kroeker	Author created document	1.0
9/14/2015	Michael Kroeker	Removed highlighting from incorrect sections	2.0
4/29/2016	Graydon Claflin	Added the "Borrower Defense" discharge reason type on pg. 36	4.0
9/8/2016	Bea Rodriguez	Removed "Accenture Proprietary & Confidential" from footer	5.0
2/15/2018	Zack Andemariam	Corrected Response Block on pg. 39 read "COD will send ..."	6.0
2/20/2018	Zack Andemariam	Corrected the file name from 1.7 to 1.8 (schema version)	6.0
10/12/2018	Amy Lebrecht	Added the "Disaster Relief" discharge reason type on pg. 36	7.0
9/23/2019	Calvin Chang	Added Program CIP Code Year field and the three Borrower Informed fields to the layout.	8.0
11/25/2019	Tishin Begum	Remove Informed Borrowing fields	9.0

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Overview

This document outlines the Common Servicing Schema layout tables for the Loan Activity, Servicer Activity, Loan Consolidation Activity and Servicer Consolidation Activity files. This document is intended to provide an understanding of the layout of the Common Servicing Schema, including definitions and valid values of the fields. This document lists block information grouped according to the following column headings:

- Field Number – Lists the field number
- Field Description – Contains the tag name and a description
- Format and Valid Field Values – Describes the acceptable content for a given element (for more detailed descriptions, please see the Common Servicer Schema)

The Common Servicing Schema Layout lists elements in block sequence. A general rule regarding sequence of data within blocks, and within complex elements: the start and end data tags and their context must be presented on the XML document within the block’s tags or the complex element tags to which they belong. The sequence of the data within that block or element is dictated by the sequence of the data tags presented in the Common Servicing XML schema. This document does not attempt to depict the order or sequence of tags. For example, if a complex element has ten simple elements within it, those ten elements must occur in the same sequence as depicted in the Common Servicing XML Schema (CommonServicing.xsd). If there is any discrepancy between the information presented here and the information presented in the XSD document, the XML Schema should be considered as the correct source for the information.

Next to each complex or simple element in the XSD are additional details regarding if the element is required or optional. If *minOccurs="0"* is next to the element, then that complex or simple element is optional. If *minOccurs="0"* is not next to the element, then that complex or simple element is required. For instance, the Transmission Data element is required and is listed as follows:

```
<xs:element name="TransmissionData" type="cs:TransmissionDataType"/>
```

However, the Borrower element is optional:

```
<xs:element name="Borrower" type="cs:BorrowerType" minOccurs="0" maxOccurs="unbounded"/>
```

If the Borrower element is included, certain elements that pertain to the Borrower type are required and some are optional:

```
<xs:complexType name="BorrowerType">
  <xs:sequence>
    <xs:element name="TransactionID" type="core:DocumentIDType"/>
    <xs:element name="NewBorrowerIndicator" type="xs:boolean" minOccurs="0"/>
    <xs:element name="Index" type="cs:IndexType" minOccurs="0"/>
    <xs:element name="Identifiers" type="cs:IdentifiersType" minOccurs="0"/>
    <xs:element name="Name" type="core:NameType" minOccurs="0"/>
    <xs:element name="Contacts" type="cs:ContactsType" minOccurs="0"/>
    <xs:element name="Citizenship" type="core:CitizenshipType" minOccurs="0"/>
    <xs:choice minOccurs="0" maxOccurs="unbounded">
      <xs:element name="DLSubsidized" type="cs:DLSubsidizedAwardType"/>
      <xs:element name="DLUnsubsidized" type="cs:DLUnsubsidizedAwardType"/>
      <xs:element name="DLPLUS" type="cs:DLPLUSAwardType"/>
      <xs:element name="DLPerkins" type="cs:DLPerkinsAwardType"/>
      <xs:element name="TEACH" type="cs:TEACHAwardType"/>
      <xs:element name="DLConsolidation" type="cs:DLConsolidationAwardType"/>
    </xs:choice>
    <xs:element name="Response" type="cs:ResponseType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

The highlighted `xs:choice` element allows for none, one, or many of the contained award elements to be part of the Borrower block. The `minOccurs='0'` indicates that all the nested award type tags are optional (meaning if there are no awards for the borrower, none will be sent) and the `maxOccurs="unbounded"` allows for the award elements to be used an unlimited amount of times.

The XSD also defines the simple elements contained in the schema. For instance the Credit Reform Code is a 6 digit code which is defined as follows:

```
<xs:simpleType name="CreditReformCodeType">
  <xs:restriction base="xs:integer">
    <xs:pattern value="\d{6}"/>
  </xs:restriction>
</xs:simpleType>
```

The `xs:integer` defines the element as an integer and the `xs:pattern` value defines the elements as six digits, meaning the credit reform code can be no more or less than six digits (i.e. 201113 is a valid value but 20112 is not). Many other elements are defined in the Common Servicing Schema and please refer to the XSD for more information.

1 Loan Activity File Block Information

1.1 Document Information

The Document block is a required block that contains information related to the source of the document/batch, the document destination, and the date and time the document was created.

Field #	Field Description	Format and Valid Values
1	<TransmissionData> This complex element provides a logical grouping of elements related to the document.	NA
2	<DocumentID> The Date and Time stamp with the Source Entity ID.	DCCYYMMDDHHmmssSSS00000001 D-Indicates that this ID is at the document level

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
		CCYYMMDDHHmssSSS-Indicates the date and time stamp when the document transaction ID was created. 00000001-Indicates the Routing ID of COD (the system sending the document)
3	<DocumentType> Indicates what type of document is being sent.	Request – the loan activity file Receipt – receipt for the loan activity file Response – response to the loan activity file
4	<CreateDateTime> The Date Time stamp and Time zone when the document was created.	CCYY-MM-DDThh:mm:ss.sss±hh:mm Example: 2010-07-08T20:12:52.000-04:00
5	<Source> This element provides a logical grouping of elements related to the Source of the document	NA
6	<Destination> This element provides a logical grouping of elements related to the Destination of the document.	NA
7	<RoutingID> Element containing the Routing ID for COD	COD is 00000001
8	<ServicerID> Element containing the Servicer ID	0-999999
9	<EntityName> Optional entity name	Name of COD or the Servicer

1.2 Summary Information

The Document Summary block is an optional block that contains summary information related to financial activity in the batch. The summary information is summarized by award type: Direct Loan Subsidized, Direct Loan Unsubsidized, Direct Loan PLUS, Direct Perkins Loan or TEACH. The following table explains what fields are required or optional if the Summary Block is included in the Loan Activity File.

Field #	Field Description	Format and Valid Values
1	<DocumentSummary> A complex element. This element provides a logical grouping of elements related to reported summary information. All of the reported financial summary information is	NA

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	summarized by financial award type (DLSub, DLUnsub, DLPlus, DL Perkins, TEACH), except for the new and total borrower count at the batch level.	
2	<TotalNewBorrowerCount> The total count of new borrowers (new to the servicer for federally-owned debt) in the batch across all programs.	0-999999999
3	<TotalBorrowerCount> The total count of borrowers (new and existing) in the batch across all programs.	0-999999999
4	<DLSubsidizedSummary> <DLUnsubsidizedSummary> <DLPLUSSummary> <DLPerkinsSummary> <TEACHSummary> The summary complex elements that contain a logical grouping of elements related to the summary by award type.	NA
5	<TotalAwardCount> The total count of awards reported in this document. This count will include award amount changes and represents a count of all the award blocks in the document. This information is summarized by award type.	0-999999999
6	<TotalDisbursementCount> The total count of disbursements reported in this document. This count will include disbursement adjustments. The count represents a count of all the disbursement blocks in the document. This information is summarized by award type.	0-999999999

* If the award type summary is included in the Document Summary, then all of the subsequent elements (award count and disbursement count) must be included, even if the total count of an element is zero.

1.3 Borrower Information

The Borrower block information contains identifying and demographic information related to the borrower. COD will send new borrower information and updates to borrower information in this block.

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
1	<p><Borrower></p> <p>A complex element that provides a logical grouping of elements related to the borrower.</p>	NA
2	<p><TransactionID></p> <p>A unique transaction ID that will be assigned to the borrower by COD in order to track what information has been sent and acknowledged with a response.</p>	<p>BCCYYMMDDHHmmssSSS00000001</p> <p>B-Indicates that this ID is at the person (borrower) level</p> <p>CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created.</p> <p>00000001-Indicates the Routing ID of COD (the system sending the document)</p>
3	<p><NewBorrowerIndicator></p> <p>Indicates if the borrower is a new borrower to the servicer for federally-owned debt.</p>	<p>True – new borrower</p> <p>false – existing borrower</p>
4	<p><Index></p> <p>A complex element that provides a logical grouping of elements related to indexing information, which includes the SSN and BirthDate elements.</p>	NA
5	<p><SSN></p> <p>The borrower’s current Social Security Number (The number assigned by the Social Security Administration which identifies a participant)</p>	001010001 to 999999998
6	<p><BirthDate></p> <p>The borrower’s current date of birth.</p>	CCYY-MM-DD
7	<p><Identifiers></p> <p>A complex element that contains information related to the borrower’s identification information.</p>	NA
8	<p><PreviousSSN></p> <p>The borrower’s previous social security number. This value will only be populated if there is a change to the borrower’s SSN. The current SSN of the borrower will be populated in the <SSN> tag in the <Index>.</p>	001010001 to 999999998

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
9	<p><PreviousBirthDate></p> <p>The borrower's previous date of birth. This tag will only be populated if there is a change to the borrower's birth date. The current birth date will be populated in the <BirthDate> tag in the <Index>.</p>	CCYY-MM-DD
10	<p><Name></p> <p>This complex element provides a logical grouping of elements related to name information.</p>	NA
11	<p><FirstName></p> <p>The borrower's first name. This basic component specifies the name given to a person at birth, baptism, or another naming ceremony, or through legal change.</p>	String, minimum length of 1 and maximum length of 35
12	<p><MiddleName></p> <p>The borrower's middle initial (first letter of their middle name).</p>	string, minimum length of 1 and maximum length of 35
13	<p><LastName></p> <p>The borrower's last name or surname by which a person is legally known.</p>	String, minimum length of 1 and maximum length of 35
14	<p><Contacts></p> <p>This complex element provides a logical grouping of elements related to contact information.</p>	NA
15	<p><Address></p> <p>A complex element that provides a logical grouping of elements related to Address information. Address refers to the elements that constitute the mailing address. Those tags generally include Address Line, City, State, and Zip Code.</p>	NA
16	<p><AddressType></p> <p>This element indicates if the address is a Permanent or Temporary Address.</p>	Permanent Temporary
17	<p><AddressLine></p> <p>A line of the borrower's address. There is a maximum occurrence of three address lines for this tag. The sequence of this tag maps to the borrower's first, second, and third lines of address.</p>	String, minimum length of 1 and maximum length 40
18	<p><City></p>	String, minimum length of 2 and maximum length of 30

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	The borrower's city.	
19	<StateProvinceCode> The borrower's State or Province.	Uppercase A to Z; Valid state or province code
20	<PostalCode> The borrower's Postal Code (Zip Code).	String, minimum length of 1 and maximum length of 17
21	<CountryCode> The borrower's country. This basic component specifies the ISO standard 3166-alpha 2 Country code for the address.	Uppercase A to Z; Valid country code. New valid country codes to be added to the CoreMain xsd: South Sudan (SS) and Curacao (CW) (Will not yet be added to the system, will not yet be sent with release 14.3)
22	<EffectiveDate> Date on which the information pertaining to the address was last updated or added.	CCYY-MM-DD
23	<Phone> A complex element that provides a logical grouping to information related to the phone number.	NA
24	<PhoneType> Indicates the phone number type	Main – Evening/Home Phone Number Alternate – Daytime Phone Number Work – Work Number (<i>This is documented in this layout in anticipation of future releases</i>) Fax – Fax Number Mobile – Mobile number
25	<PhoneNumber> The borrower's phone number. There is a maximum occurrence of three phone numbers for this tag.	0 to 9999999999999999
26	<SMSAllowedFlag> Indicates the number that is used for text messaging.	This field is used as an indication that a phone number provided by the borrower is able to receive text messaging, potentially for text message correspondence. True- phone number is used for text messaging False- phone number not used for text messaging
27	<SMSEffectiveDate>	CCYY-MM-DD For existing borrowers, this date will not be sent until the borrower re-selects a text message preference on SL.gov after Implementation of Release 14.3 (2015-12-17).

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	Date on which the borrower selects a text message preference on SL.gov after the implementation date of Release 14.3 (2015-12-17), or date on which the borrower updates their mobile # on SL.gov, whichever is higher.	
28	<ContactStartTime>	String indicating the starting time when it is allowable to contact borrower on phone type. <i>*This is documented in this layout in anticipation of future releases. This tag will not be sent to servicers with this current release (14.3).</i>
29	<ContactEndTime>	String indicating the ending time when it is allowable to contact borrower on phone type. <i>*This is documented in this layout in anticipation of future releases. This tag will not be sent to servicers with this current release (14.3).</i>
30	<Communications> Complex element to group all Communications Types	NA <i>*This block is documented in this layout in anticipation of future releases. The Communications block will not be sent to servicers with this current release (14.3).</i>
31	<CommunicationsType> A complex element grouping communication name and an allowed flag to show which communications the borrower has opted in to.	NA <i>*This is documented in this layout in anticipation of future releases. The Communications block will not be sent to servicers with this current release (14.3).</i>
32	<CommunicationName>	String indicating the type of communication borrower has opted in to or out of <i>*This is documented in this layout in anticipation of future releases. The Communications block will not be sent to servicers with this current release (14.3).</i>
33	<AllowedFlag>	True – borrower has opted in to the communication indicated by <CommunicationName> False - borrower has opted out of the communication indicated by <CommunicationName> <i>*This is documented in this layout in anticipation of future releases. The Communications block will not be sent to servicers with this current release (14.3).</i>
34	<Email> A complex element that provides a logical grouping of elements related to the email address.	NA
35	<EmailAddress>	String, minimum length of 1 and maximum of 128

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
36	<p><EmailContactEffectiveDate></p> <p>Date on which the borrower selects an email notification preference on SL.gov after the implementation date of Release 14.3 (2015-12-17), or date on which the borrower updates their email address on SL.gov, whichever is higher.</p>	CCYY-MM-DD
37	<p><Communications></p> <p>Complex element to group all Communications Types</p>	<p>NA</p> <p><i>*This block is documented in this layout in anticipation of future releases. The Communications block will not be sent to servicers with this current release (14.3).</i></p>
38	<p><CommunicationsType></p> <p>A complex element grouping communication name and an allowed flag to display which communications the borrower has opted in to.</p>	<p>NA</p> <p><i>*This is documented in this layout in anticipation of future releases. The Communications block will not be sent to servicers with this current release (14.3).</i></p>
39	<p><CommunicationName></p>	<p>String indicating the type of communication borrower has opted in to or out of</p> <p><i>*This is documented in this layout in anticipation of future releases. The Communications block will not be sent to servicers with this current release (14.3).</i></p>
40	<p><AllowedFlag></p>	<p>True – borrower has opted in to the communication indicated by <CommunicationName></p> <p>False - borrower has opted out of the communication indicated by <CommunicationName></p> <p><i>*This is documented in this layout in anticipation of future releases. The Communications block will not be sent to servicers with this current release (14.3).</i></p>
41	<p><CorrespondenceType></p> <p>Indicates if the borrower has chosen to receive paper or electronic correspondence from COD. The electronic correspondence option is filled out by students on the SL.gov website.</p>	<p>Electronic Paper</p> <p>Servicers should default to paper if this tag is not sent initially.</p>
42	<p><Citizenship></p> <p>A complex element that contains information related to the citizenship of the borrower.</p>	NA
43	<p><CitizenshipStatusCode></p> <p>Citizenship Code for the participant who is eligible for a Title IV loan.</p>	<p>Citizen EligibleNonCitizen NotEligible</p>

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	If the tag not is not included in the document, then the citizenship status is unknown.	
44	<p><SubsidizedUsageLimitAppliesFlag></p> <p>Indicates the borrower had no outstanding loan balance at the time they received a Direct Loan after June 30, 2013 and is subject to the 150% Direct Subsidized Loan Usage Limit</p>	<p>Y – Yes N – No</p>
45	<p><SubsidizedUsageLimitAppliesDate></p> <p>Indicates the date when the Subsidized Usage Limit Applies flag is set to 'Y' Tag will not be sent when the Subsidized Usage Limit Applies flag is set to 'N'</p>	CCYY-MM-DD
46	<p><ECorrOption></p> <p>This complex element provides a logical grouping of elements related to the borrower's eCorrespondence preference information.</p>	N/A
47	<p><eCorrEffectiveDate></p> <p>Date on which the borrower selects an eCorrespondence preference on SL.gov after the implementation date of Release 14.3 (2015-12-17), or Date on which the borrower updates their email address on SL.gov, whichever is higher.</p>	<p>CCYY-MM-DD</p> <p>For existing borrowers, this date will not be sent until the borrower re-selects an eCorrespondence preference on SL.gov after Implementation of Release 14.3 (2015-12-17).</p>
48	<p><eCorrPreferenceFlag></p> <p>Indicates that borrower's eCorrespondence Preference.</p> <p>If the borrower has opted in to eCorrespondence, eCorrPreference Flag = 'true'. If the borrower has opted out of eCorrespondence, eCorrPreferenceFlag='false'. If the borrower does not have a SL.gov profile, eCorrPreferenceFlag='false'.</p>	<p>true – opted in to eCorrespondence (contact via email) false – opted out of eCorrespondence/no preference selected (contact via paper)</p>
49	<p><PermittedAddress></p> <p>Email address provided to COD by the borrower that Servicers may use to contact the borrower if the eCorrespondence Effective Date is populated and the eCorrespondence Preference Flag= Y.</p>	String, minimum length of 0 and maximum of 128
50	<p><NonpermittedAddress></p> <p>Supplemental email address provided to COD by a source other than the borrower.</p>	<p>String, minimum length of 0 and maximum of 128</p> <p>NonPermitted Address could contain the same value as Permitted Address.</p>

Common Servicing Schema Layout

1.4 Award Information

The Award block contains information related to the borrower's award. COD will send new and maintenance award activity to the Servicers in this block.

Field #	Field Description	Format and Valid Values
1	<DLSubsidized> <DLUnsubsidized> <DLPLUS> <TEACH> <DLPerkins> Complex element that provides a logical grouping of elements related to the award.	
2	<TransactionID> A unique transaction ID assigned to the Award by COD in order to track what information has been sent and acknowledged with a response.	ACCYYMMDDHHmmssSSS00000001 A-Indicates that this ID is at the award level CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the award transaction ID was created. 00000001-Indicates the Routing ID of COD (the system sending the document)
3	<NewAwardIndicator> Indicates if the award is new to the servicer for federally-owned debt or maintenance to an existing award.	True-new activity false-maintenance award activity
4	<AttendedSchoolOPEID> The OPE ID of the attended school associated with the award	8 characters
5	<ReportingSchoolOPEID> The OPE ID of the reporting school associated with the award.	8 characters
6	<DLSchoolID> The Direct Loan ID of the attended school associated with the award. (Attended school refers to the Institution that disbursed or will disburse the funds for the loan.)	6 characters

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Field #	Field Description	Format and Valid Values
	Identifier for an academic Institution that has been or is considering participation in the Direct Loan Program. The ID is assigned by the Department of Education. Each loan consolidation organization or other organization acting as an agent on behalf of the Department who is originating loans or receiving funds from the program is also assigned a unique Institution ID.	
7	<p><FinancialAwardYear></p> <p>The academic year which corresponds to the year of the Direct Loan, Direct Perkins Loan or TEACH Program. The last year in cycle is used (i.e., 2010 corresponds to 2009-2010)</p>	0000-9999
8	<p><FinancialAwardAmount></p> <p>The amount that was approved for a loan/award, including any adjustments.</p>	0-999999999.99
9	<p><AwardID></p> <p>Unique award identifier. Once the award ID is assigned, it cannot be changed.</p>	<p>For Direct Loan: Borrower's Social Security Number: 001010001-999999998 Loan Type: S = Subsidized U = Unsubsidized P = PLUS for parent and graduate/professional borrowers Program Year: last two digits of award year; School Code: X00000-X99999 where X = G or E Loan Sequence Number: 001-999</p> <p>For DL Perkins: Borrower's Social Security Number: 001010001-999999998; Award Type K: = Perkins Award Year: last two digits of award year; School Code: X00000-X99999 where X = G or E; Loan Sequence Number: 001-999</p> <p>For TEACH Grant: Borrower's Social Security Number: 001010001-999999998 Award Type: H = TEACH Award Year: last two digits of award year First six digits of school OPEID: 000000-099990 Award Sequence Number: 001-999</p>
10	<p><CPSTransactionNumber></p> <p>A sequential number, assigned by CPS, which uniquely identifies a CPS transaction with the data contained in this transaction.</p>	01-99
11	<p><StudentLevelCode></p> <p>Indicates the student's current academic level as defined by the Direct Loan, Direct Perkins Loan or TEACH Programs.</p> <p>Note: The student level can differ by program for the same award year.</p>	<p>CollegeFirstYear CollegeFirstYearAttendedBefore CollegeSophomore CollegeJunior CollegeSenior CollegeFifthYear GraduateFirstYear GraduateBeyondFirstYear</p>

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
12	<p><CreditReformCode></p> <p>Code used to calculate the subsidy for a Direct Loan, Direct Perkins Loan or TEACH award. The first four positions are the fiscal year of the Loan Booking Disbursement, the 5th position is the Loan Type and the 6th position is the Risk Category.</p>	<p>The first four positions are the fiscal year of the booked loan, the 5th position is the loan type and the 6th position is the Risk Category.</p> <p>Values for the Loan Type are:</p> <ul style="list-style-type: none"> • 1 – Direct, Subsidized; • 2 – Direct, Unsubsidized (including Direct Perkins Loan); • 4 – Direct, PLUS; • 5 – Consolidation, Subsidized; • 6 – Consolidation, Unsubsidized; • 7 – Consolidation, PLUS; • 8 – TEACH Grant. <p>Values for the Risk Category are:</p> <ul style="list-style-type: none"> • 1 – 4 year school – 1st and 2nd year students; • 2 – 2 year schools; • 3 – 4 year schools – 3rd, 4th and 5th year and Graduate students; • 4 – Proprietary Schools; • 5 – All schools except proprietary; • 6 – All schools.
13	<p><AcademicCompletionDate></p> <p>Date of anticipated or actual completion by the student of an academic degree or program requirements.</p>	<p>CCYY-MM-DD</p> <p>Calculated field depends on main location’s program length, student’s grade level and award year.</p>
14	<p><BookedDate></p> <p>The award booked date is the date the award first booked in COD.</p>	<p>CCYY-MM-DD</p>
15	<p><InSchoolDefermentIndicator></p> <p>Servicers must look at the enrollment status of the PLUS Student and the Deferment Indicator sent from COD to determine deferment for a parent plus award. Deferment for awards other than Direct Parent Plus Loans at Servicing will continue to be processed by Servicers outside of COD. The deferment indicator only reflects what the parent filled out on the PLUS application and does not factor in the enrollment status (full-time or half-time) for the student.</p>	<p>True False</p>
16	<p>< SixMonthDefermentOption></p>	<p>True False</p>

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	The Six Month Deferment Option will be sent for PLUS loans only and the valid values will be 'true' and 'false.' The COD System will use the latest submitted value from the plus loan application at the time of processing.	
17	<p><DependencyStatusCode></p> <p>The processing status determination once a student has been processed for Federal aid through the FAFSA. It is used to determine the formula for computing PELL eligibility and to determine loan limits for Subsidized and Unsubsidized loans for the Direct Loan Program.</p>	<p>Independent Dependent</p>
18	<p><OriginationFeePercent></p> <p>The Origination Fee Rate is the percentage used to compute the Origination Fee for disbursements against this loan.</p>	<p>0-100.000</p> <p>1 for 1 percent 1.5 for 1.5 percent 2 for 2 percent 2.5 for 2.5 percent 3.5 for 3 percent 4 for 4 percent</p>
19	<p><InterestRebatePercent></p> <p>The upfront interest rebate percentage for the disbursement.</p>	<p>0-100.000</p> <p>1.5 for 1.5 percent 1 for 1.0 percent .5 for 0.5 percent</p>
20	<p><OriginationFeeType></p> <p>The Origination Fee type indicates the business rule used to determine the Origination Fee Rate for this loan.</p>	<p>Consolidation Discounted Normal</p>
21	<p><LoanPeriodBeginDate></p> <p>Loan Period refers to the academic period for which the loan applies. Date on which the period described by the element qualifier started or will start.</p>	<p>CCYY-MM-DD</p>
22	<p><LoanPeriodEndDate></p> <p>Loan Period refers to the academic period for which the loan applies. Date on which the event or time frame described by the element qualifier is no longer or will no longer be valid or effective.</p>	<p>CCYY-MM-DD</p>
23	<p><AcademicYearBeginDate></p>	<p>CCYY-MM-DD</p>

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	Academic Year refers to the period of time a student is in school for this loan. Date on which the period described by the element qualifier started or will start.	
24	<p><AcademicYearEndDate></p> <p>Academic Year refers to the period of time a student is in school for this loan. Date on which the event or time frame described by the element qualifier is no longer or will no longer be valid or effective.</p>	CCYY-MM-DD
25	<p><CreateDate></p> <p>The date that an award is accepted within COD and accepted via the common record</p>	CCYY-MM-DD
26	<p><EnrollmentDate></p> <p>First date the student was enrolled in an eligible program for the designated award year.</p>	CCYY-MM-DD
27	<p><TeacherExpertIndicator></p> <p>Expert Teacher Indicator is used to capture a special group of graduate students and retirees that will allow them to receive up to \$8000 TEACH Grant limit. This indicator will be set by a school and sent to COD.</p>	<p>True-Borrower is an expert teacher false-Borrower is not an expert teacher</p>
28	<p><HPPAIndicator></p> <p>This is an indicator which identifies loans that were eligible for loan amounts greater than the normal loan amount would allow because they were originated from schools that were formerly part of the Health and Human Services (HHS) Health Education Assistance Loans (HEAL) program.</p>	<p>True-HPPA loan false-Not a HPPA loan</p>
29	<p><AdditionalUnsubsidizedEligibilityIndicator></p> <p>The Additional Unsubsidized Indicator is set to 'Y' when COD has substantiating information that a borrower is eligible to exceed the current loan limit amount for a direct Stafford Unsubsidized loan. Normally this eligibility is available only to student borrowers who apply as dependant rather than independent borrowers.</p>	<p>True-Eligible false- not applicable</p>
30	<p><LastAnticipatedNumber></p> <p>Last Anticipated refers to the last disbursement that is anticipated or was disbursed for a loan. The Disbursement Number is a sequential number which uniquely identifies a disbursement for a loan. This is only valid for PLUS awards.</p>	PLUS for parent and graduate/professional student borrowers: 1-20
31	<p><LastAnticipatedDate></p>	CCYY-MM-DD

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	Last Anticipated refers to the last disbursement that is anticipated or was disbursed for a loan. Date on which funds for a specific loan were or will be disbursed to the borrower (or to a third party on borrower's behalf as instructed by the borrower). This is only valid for PLUS awards.	

1.5 Student Information

The Student block contains identifying and demographic information related to the Student and will only be sent with a Direct Loan PLUS award. For a DL Grad PLUS award, the borrower and the student block will be the same. For a Parent PLUS award, the Borrower and Student blocks will be different. The COD System will only send student information when sending new or maintenance DLPLUS award or disbursement activity to the servicers.

Field #	Field Description	Format and Valid Values
1	<Student> A complex element that provides a logical grouping of elements related to the student.	NA
2	<Index> This complex element provides a logical grouping of elements related to indexing information, which includes the SSN and BirthDate elements.	NA
3	<SSN> The student's current Social Security Number.	001010001 to 999999998
4	<BirthDate> The student's current date of birth.	CCYY-MM-DD
5	<Identifiers> This complex element provides a logical grouping of elements related to identification information.	NA
6	<PreviousSSN> The student's previous social security number. This value will only be populated if there is a change to the student's SSN. The current SSN of the student will be populated in the <SSN> tag in the <Index>.	001010001 to 999999998

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
7	<p><PreviousBirthDate></p> <p>The student's date of birth. This tag will only be populated if there is a change to the student's birth date. The current birth date will be populated in the <BirthDate> tag in the <Index>.</p>	CCYY-MM-DD
8	<p><Name></p> <p>This complex element provides a logical grouping of elements related to name information.</p>	NA
9	<p><FirstName></p> <p>The student's first name. This basic component specifies the name given to a person at birth, baptism, or another naming ceremony, or through legal change.</p>	String, minimum length of 1 and maximum length of 35
10	<p><MiddleName></p> <p>The student's middle initial (first letter of their middle name)</p>	string, minimum length of 1 and maximum length of 35
11	<p><LastName></p> <p>The student's legal last name.</p>	string, minimum length of 1 and maximum length of 35
12	<p><Contacts></p> <p>This complex element provides a logical grouping of elements related to contact information.</p>	NA
13	<p><Address></p> <p>This complex element provides a logical grouping of elements related to Address information.</p>	NA
14	<p><AddressType></p> <p>This element indicates if the address is a Permanent or Temporary Address.</p>	Permanent Temporary
15	<p><AddressLine></p> <p>A line of the student's address. There is a maximum occurrence of three address lines for this tag. The sequence of this tag maps to the student's first, second, and third lines of address.</p>	String, minimum length of 1 and maximum length 40
16	<p><City></p>	String, minimum length of 2 and maximum length of 30

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Field #	Field Description	Format and Valid Values
	The student's city.	
17	<StateProvinceCode> The student's State or Province.	Uppercase A to Z; Valid state or province code
18	<PostalCode> The student's Postal Code (Zip Code).	String, minimum length of 1 and maximum length of 17
19	<CountryCode> The student's country. This basic component specifies the ISO standard 3166-alpha 2 Country code for the address.	Uppercase A to Z; Valid country code New valid country codes to be added to the CoreMain xsd: South Sudan (SS) and Curacao (CW) (Will not yet be added to the system, will not yet be sent with Release 14.3)
20	<EffectiveDate> Date the address was last updated or added.	CCYY-MM-DD
21	<Phone> This is a complex element that provides a logical grouping to information related to the phone number.	NA
22	<PhoneType> This element indicates the phone number type	Main – Evening/Home Phone Number Alternate – Daytime Phone Number Work – Work Number (<i>This is documented in this layout in anticipation of future releases</i>) Fax – Fax Number Mobile – Mobile number
23	<PhoneNumber> The student's phone number. There is a maximum occurrence of three phone numbers for this tag.	0 to 9999999999999999
24	<Email> This is a complex element that provides a logical grouping to information related to the email address.	NA
25	<EmailAddress> The student's email address.	String, minimum length of 1 and maximum of 128
26	<EmailContactEffectiveDate>	CCYY-MM-DD

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	Date on which the borrower selects an email notification preference on SL.gov after the implementation date of Release 14.3 (2015-12-17), or date on which the borrower updates their email address on SL.gov, whichever is higher.	
27	<Citizenship> A complex element containing information related to the citizenship of the student.	NA
28	<CitizenshipStatusCode> The student's citizenship status. If tag not included in schema, then the citizenship status is unknown.	Citizen EligibleNonCitizen NotEligible

1.6 Endorser Information

The Endorser block is an optional block that contains identifying and demographic information related to the Endorser and will only be sent with a Direct Loan Plus award when there is an applicable endorser. The COD System will only send endorser information when sending new or maintenance DLPLUS activity to the servicers.

Field #	Field Description	Format and Valid Values
1	<Endorser> A complex element that provides a logical grouping of elements related to the endorser.	NA
2	<Index> This complex element provides a logical grouping of elements related to indexing information, which includes the SSN elements.	NA
3	<SSN> The endorser's current Social Security Number.	001010001 to 999999998
4	<BirthDate> The endorser's current date of birth.	CCYY-MM-DD
5	<Identifiers> This complex element provides a logical grouping of elements related to identification information.	NA

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
6	<p><PreviousSSN></p> <p>The endorser's previous social security number. This value will only be populated if there is a change to the endorser's SSN. The current SSN will be populated in the <SSN> tag in the <Index>.</p>	001010001 to 999999998
7	<p><PreviousBirthDate></p> <p>The endorser's previous date of birth. This tag will only be populated if there is a change to the borrower's birth date. The current birth date will be populated in the <BirthDate> tag in the <Index>.</p>	CCYY-MM-DD
8	<p><Name></p> <p>This complex element provides a logical grouping of elements related to name information.</p>	NA
9	<p><FirstName></p> <p>The endorser's first name. This basic component specifies the name given to a person at birth, baptism, or another naming ceremony, or through legal change.</p>	String, minimum length of 1 and maximum length of 35
10	<p><MiddleName></p> <p>The endorser's middle initial (first letter of the middle name)</p>	string, minimum length of 1 and maximum length of 35
11	<p><LastName></p> <p>The endorser's last name or surname by which a person is legally known.</p>	String, minimum length of 1 and maximum length of 35
12	<p><Contacts></p> <p>This complex element provides a logical grouping of elements related to contact information.</p>	NA
13	<p><Address></p> <p>This complex element provides a logical grouping of elements related to Address information.</p>	NA
14	<p><AddressType></p> <p>This element indicates if the address is a Permanent or Temporary Address.</p>	Permanent Temporary
15	<p><AddressLine></p>	String, minimum length of 1 and maximum length 40

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	A line of the endorser's address. There is a maximum occurrence of three address lines for this tag. The sequence of this tag maps to the endorser's first, second, and third lines of address.	
16	<City> The endorser's city.	String, minimum length of 2 and maximum length of 30
17	<StateProvinceCode> The endorser's State or Province.	Uppercase A to Z; Valid state or province code
18	<PostalCode> The endorser's Postal Code (Zip Code).	String, minimum length of 1 and maximum length of 17
19	<CountryCode> The endorser's country. This basic component specifies the ISO standard 3166-alpha 2 Country code for the address.	Uppercase A to Z; Valid country code– New valid country codes to be added to the CoreMain xsd: South Sudan (SS) and Curacao (CW) (Will not yet be added to the system, will not yet be sent will not yet be sent with Release 14.3)
20	<EffectiveDate> Date the address was last updated or added.	CCYY-MM-DD
21	<Phone> This is a complex element that provides a logical grouping to information related to the phone number.	NA
22	<PhoneType> This element indicates the phone number type	Main – Evening/Home Phone Number Alternate – Daytime Phone Number Work – Work Number (<i>This is documented in this layout in anticipation of future releases</i>) Fax – Fax Number Mobile – Mobile number
23	<PhoneNumber> The endorser's phone number. There is a maximum occurrence of three phone numbers for this tag.	0 to 9999999999999999
24	<Email> This is a complex element that provides a logical grouping to information related to the email address.	NA

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Field #	Field Description	Format and Valid Values
25	<EmailAddress> The endorser's email address.	String, minimum length of 1 and maximum of 128
26	<Citizenship> A complex element containing information related to the citizenship of the endorser.	NA
27	<CitizenshipStatusCode> The endorser's citizenship status. If tag not included in schema, then the citizenship status is unknown.	Citizen EligibleNonCitizen NotEligible

1.7 MPN Information

The MPN block contains information related to the Master Promissory Note and will only be sent with Direct Loan and Direct Perkins Loan awards. The COD System will send this block when there is new MPN information or updates to existing MPN information for an award.

Field #	Field Description	Format and Valid Values
1	<MPN> A complex element that contains information related to the MPN (promissory note for DL and DL Perkins)	NA
2	<MPNID> The MPN (Master Promissory Note) ID is a unique identifier of the Promissory Note for this loan/award. In the case of a loan, more than one loan can have the same promissory note. This identifier applies to new originations and consolidation loans	Borrower's Social Security Number: 001010001-999999998 MPN Type: M = Subsidized and Unsubsidized N = PLUS for parent and graduate/professional student borrowers Program Year: 10, for 2009-2010 (example) School Code: X00000-X99999 where X = G or E MPN Sequence Number: 001-999
3	<MPNStatus>	Active – MPN is active Inactive – MPN is inactive

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	MPN Status determines if additional loans can be booked for this Master Promissory Note (MPN) in the case where the data pertains to a loan.	Closed – MPN is closed None – MPN is not on file* Inactive Endorsed – MPN is linked to an endorsed PLUS award
4	<EMPNIndicator> The type of MPN (paper or electronic)	true- electronic false-paper
5	<ExpirationDate> The expiration date of the MPN.	CCYY-MM-DD

*Note: In rare circumstances it is possible to for a Perkins MPN to have a status of 'None' (not on file). If a Perkins award and disbursement have posted to the system and then the award is manually unlinked before the system has processed and transmitted the loan activity file to the Additional Servicers, then the MPN Status would be returned as 'None'. In that case, the MPN ID, EMPN Indicator, or Expiration Date would not be sent. Only the MPN Status of 'None' would be sent in the MPN block.

1.7.1 MPN Reference Data

MPN reference data is submitted by student and parent borrowers when they submit an electronic MPN. Beginning with the 2012-2013 Award Year, MPN reference data will be sent in the loan activity file to the TIVAS for awards for all active award years that are linked to electronic MPN's.

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
1	<p><Name></p> <p>This complex element provides a logical grouping of elements related to name information.</p>	NA
2	<p><FirstName></p> <p>The reference's first name. This basic component specifies the name given to a person at birth, baptism, or another naming ceremony, or through legal change.</p>	String, minimum length of 1 and maximum length of 35
3	<p><MiddleName></p> <p>The reference's middle initial (first letter of the middle name)</p>	string, minimum length of 1 and maximum length of 35
4	<p><LastName></p> <p>The reference's last name or surname by which a person is legally known.</p>	String, minimum length of 1 and maximum length of 35
5	<p><Contacts></p> <p>This complex element provides a logical grouping of elements related to contact information.</p>	NA
6	<p><Address></p> <p>This complex element provides a logical grouping of elements related to Address information.</p>	NA
7	<p><AddressLine></p> <p>A line of the reference's address. There is a maximum occurrence of three address lines for this tag. The sequence of this tag maps to the first, second, and third lines of MPN reference's address.</p>	String, minimum length of 1 and maximum length 40
8	<p><City></p> <p>The reference's city.</p>	String, minimum length of 2 and maximum length of 30
9	<p><StateProvinceCode></p> <p>The reference's State or Province.</p>	Uppercase A to Z; Valid state or province code
10	<p><PostalCode></p> <p>The endorser's Postal Code (Zip Code).</p>	String, minimum length of 1 and maximum length of 17

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11	<p><CountryCode></p> <p>The reference's country. This basic component specifies the ISO standard 3166-alpha 2 Country code for the address.</p>	<p>Uppercase A to Z; Valid country code–</p> <p>New valid country codes to be added to the CoreMain xsd: South Sudan (SS) and Curacao (CW) (Will not yet be added to the system, will not yet be sent will not yet be sent with Release 14.3)</p>
12	<p><Phone></p> <p>This is a complex element that provides a logical grouping to information related to the phone number.</p>	NA
13	<p><PhoneNumber></p> <p>The reference's phone number.</p>	0 to 9999999999999999
14	<p><Email></p> <p>This is a complex element that provides a logical grouping to information related to the email address.</p>	NA
15	<p><EmailAddress></p> <p>The reference's email address.</p>	String, minimum length of 1 and maximum of 128
16	<p><Relationship></p> <p>The relationship of the reference to the borrower.</p>	<p>Father</p> <p>Mother</p> <p>Grandfather</p> <p>Grandmother</p> <p>Neighbor</p> <p>Friend</p> <p>Teacher</p> <p>Father-In-Law</p> <p>Mother-In-Law</p> <p>Employer</p> <p>Other (this is a user entered value with a maximum length of 50)</p>

1.8 *ATS Information*

The ATS block contains information related to the Agreement to Serve and will only be sent with TEACH awards. The COD System will send this block when there is new ATS information or updates to existing ATS information for an award.

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
1	<ATS> A complex element that contains information related to the ATS (Agreement to Serve note for TEACH only)	NA
2	<ATSID> The ATS (Agreement to Serve) ID is a unique identifier of the ATS for this award.	Borrower's Social Security Number: 001010001-999999998 Agreement to Serve Type: C = TEACH Program Year: 10, for 2009-2010 First six digits of school OPEID: 000000-099990 Agreement To Serve Sequence Number: 001-999
3	<Status> ATS Status determines if additional awards can be granted for this Agreement to Serve (ATS) in the case where the data pertains to an award.	Active – ATS is active Closed – ATS is closed None – ATS is not on file*

*Note: In rare circumstances it is possible to for a TEACH ATS to have a status of 'None' (not on file). If a TEACH award and disbursement have posted to the system and then the award is manually unlinked before the system has processed and transmitted the loan activity file to the Additional Servicers, then the ATS Status will be returned as 'None'. In that case, the ATS ID would not be sent. Only the ATS Status of 'None' would be sent in the ATS block.

1.9 Disbursement Information

The Disbursement block contains information related to the award's disbursement. Multiple disbursement blocks can be nested within one award block. The COD System will send this block when there is new disbursement activity for new or existing borrowers. Updates and maintenance to existing activity will also be sent in this block.

Field #	Field Description	Format and Valid Values
1	<Disbursement> A complex element that provides a logical grouping of elements related to the disbursement.	NA
2	<NewDisbursementIndicator>	True-new disbursement false-maintenance activity

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Field #	Field Description	Format and Valid Values
	Indicates if the disbursement is a new disbursement to the servicer for federally-owned debt or maintenance to an existing disbursement.	
3	<p><DisbursementAmount></p> <p>The gross amount the borrower is obligated to repay as a result of this disbursement. For Direct Loan this is the gross disbursement amount before the fee and interest rebate calculations are made.</p>	0 to 999999999.99
4	<p><DisbursementDate></p> <p>Date on which funds for a specific loan were or will be disbursed to the borrower (or to a third party on borrower's behalf as instructed by the borrower).</p>	CCYY-MM-DD
5	<p><DisbursementNumber></p> <p>The Disbursement Number is a sequential number which uniquely identifies a disbursement for a loan.</p>	1-20
6	<p><DisbursementSequenceNumber></p> <p>Disbursement Sequence Number uniquely identifies an action against a specific disbursement.</p>	1-99
7	<p><DisbursementNetAmount></p> <p>The net disbursement amount.</p>	0 – 999999999.99
8	<p><DisbursementFeeAmount></p> <p>The fee amount associated with this disbursement based on a fixed percentage of the disbursement amount.</p>	0 – 999999999.99
9	<p><InterestRebateAmount></p> <p>The Upfront Interest Rebate Amount.</p>	0 – 999999999.99
10	<p><DisbursementAdjustmentAmount></p> <p>The gross adjustment amount of the disbursement.</p>	0 – 999999999.99
11	<p><DisbursementNetAdjustmentAmount></p> <p>The net adjustment amount of the disbursement.</p>	0 – 999999999.99
12	<p><DisbursementFeeAdjustmentAmount></p> <p>The fee adjustment amount of the disbursement.</p>	0 – 999999999.99

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Field #	Field Description	Format and Valid Values
13	<p><InterestRebateAdjustmentAmount></p> <p>The interest rebate adjustment amount of the disbursement.</p>	0 – 999999999.99
14	<p><ApprovedLateIndicator></p> <p>Approved Late Disbursement Indicator is set to 'true' to designate an approved late disbursement or an approved change to a Disbursement Date which makes the Disbursement late.</p>	True-Approved false-Not applicable
15	<p><BookedDate></p> <p>The booked date of the disbursement.</p>	CCYY-MM-DD
16	<p><PostedDate></p> <p>Date Disbursement Posted to COD is the most recent date COD processed and accepted disbursement for an Award. The latest initial funded and posted disbursement activity posted in COD across all funded disbursements for the award. Any disbursement adjustment activities posted in COD are not considered for this.</p>	CCYY-MM-DD
17	<p><EnrollmentSchoolCode></p> <p>The OPE ID of the school where the student is physically attending classes.</p>	8 characters
18	<p><CIPCode></p> <p>Classification of Instructional Programs (CIP) Code uniquely identifies and classifies academic programs of study. This is only included in disbursement information of TEACH awards.</p>	String format, 6 digits (01.0001 –99.9999) Only sent for TEACH transactions.
19	<p><ProgramCIPCodeYear></p> <p>The year in which the Program CIP Code is active. This only included in disbursement information of TEACH awards.</p>	CCYY Only sent for TEACH transactions for Award Year 2020-2021 and forward.

1.10 Response Block

The response block contains information related to the response to the loan activity file. The servicers will send the Response after processing the document and the response blocks will indicate the status of the file, including any rejected elements and the reasons for rejection with the relevant

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edit codes. A Response block will be generated for each Document, Borrower and Award block (associated with the relevant Transaction ID) sent in the loan activity file. Each response block will be nested under the relevant Document, Borrower or Award block.

Field #	Field Description	Format and Valid Values
1	<p><Response></p> <p>A complex element containing a logical grouping of elements related to the response information</p>	NA
2	<p><ResponseCode></p> <p>The appropriate response code that indicates if the transaction ID was Accepted or Rejected.</p>	Accepted Rejected
3	<p><EditProcessResult></p> <p>A complex element that contains a logical grouping of elements pertaining to the edit processing if there is a reject response code.</p>	NA
4	<p><ResponseErrorCode></p> <p>The error code indicating the type of error.</p> <p>Required if <ResponseCode>='Rejected'</p>	000-999
5	<p><ResponseMessage></p> <p>A message indicating why the error occurred</p>	Please see the Additional Servicer Support Guide
6	<p><ResponseErrorField></p> <p>The field where the error occurred.</p> <p>Required if <ResponseCode>='Rejected'</p>	Please see the Common Servicing Schema for valid range of values
7	<p><ReportedValue></p> <p>The value reported by COD.</p>	Please see the Common Servicing Schema for valid range of values

2 Servicer Activity File Block Information

2.1 Document Information

The Document block is a required block that contains information related to the source of the document/batch, the document destination, and the date and time the document was created.

Field #	Field Description	Format and Valid Values
1	<TransmissionData> This complex element provides a logical grouping of elements related to the document.	NA
2	<DocumentID> The Date and Time stamp with the Source Entity ID.	DCCYYMMDDHHmmssSSSxxxxxx D-Indicates that this ID is at the document level CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the document transaction ID was created. xxxxxx-Indicates the Servicer ID of the Servicer sending the document
3	<DocumentType> Indicates what type of document is being sent.	Request – the servicer activity file Receipt – receipt for the servicer activity file Response – response to the servicer activity file
4	<CreateDateTime> The Date, Time stamp and Time zone when the document was created.	CCYY-MM-DDThh:mm:ss.sss±hh:mm Example: 2010-07-08T20:12:52.000-04:00
5	<Source> This element provides a logical grouping of elements related to the Source of the document	NA
6	<Destination> This element provides a logical grouping of elements related to the Destination of the document.	NA
7	<ServicerID> Element containing the Servicer ID.	0-999999
8	<RoutingID> Element containing the Routing ID of COD	COD is 00000001

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Field #	Field Description	Format and Valid Values
9	<EntityName> Optional entity name	Name of servicer

2.2 Summary Information

The Document Summary block is an optional block that contains summary information related to the financial activity in the batch. The summary information is summarized by award type: Direct Loan Subsidized, Direct Loan Unsubsidized, Direct Loan PLUS, Direct Perkins Loan or TEACH. The following table explains what fields are required or optional if the Summary Block is included in the Servicer Activity File.

Field #	Field Description	Format and Valid Values
1	<DocumentSummary> A complex element that provides a logical grouping of elements related to reported summary information. All of the reported financial summary information is summarized by financial award type (DLSub, DLUnsub, DLPlus, DL Perkins, TEACH, DL Consolidation, FFEL, FFEL Consolidation) except for the total borrower count.	NA
2	<TotalBorrowerCount> The total count of borrowers in the batch across all programs.	0-999999999
3	<DLSubsidizedSummary> <DLUnsubsidizedSummary> <DLPLUSSummary> <DLPerkinsSummary> <TEACHSummary> <DLConsolidationSummary> <FFELSummary> <FFELConsolidationSummary> The summary complex elements by award type.	NA
4	<TotalAwardCount> The total count of awards by award type. The count represents the sum of all of the award blocks by program type in the document.	0-999999999
5	<TotalDischargeCount>	0-999999999

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Field #	Field Description	Format and Valid Values
	The total number of discharge blocks reported in the document. This information is summarized by award type.	
6	<TotalPaymentCount> The total number of payment blocks reported in the document. This information is summarized by award type.	0-999999999
7	<TotalTransferCount> The total number of transfer blocks reported in the document. This information is summarized by award type.	0-999999999

* If the award type summary is included in the Document Summary, then all of the subsequent elements (award, discharge, payment and transfer count) must be included, even if the total count of an element is zero.

2.3 Borrower Information

The Borrower block information contains identifying and demographic information related to the borrower. Servicers will send this block when sending discharge, payment and transfer information.

Field #	Field Description	Format and Valid Values
1	<Borrower> A complex element that provides a logical grouping of elements related to the borrower.	NA
2	<TransactionID> A unique transaction ID that will be assigned to the borrower by the Servicers in order to track what information has been sent and acknowledged with a response.	BCCYYMMDDHHmmssSSSxxxxxx B-Indicates that this ID is at the person (borrower) level CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created. xxxxxx-Indicates the Servicer ID of the Servicer sending the document
3	<Index>	NA

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Field #	Field Description	Format and Valid Values
	This complex element provides a logical grouping of elements related to indexing information, which includes the SSN and BirthDate elements.	
4	<SSN> The borrower's current Social Security Number.	001010001 to 999999998
5	<BirthDate> The borrower's current date of birth.	CCYY-MM-DD

2.4 Award Information

The Award block will contain information related to the borrower's award. Servicers will send this block with the Borrower block when there is a discharge, payment or transfer.

Field #	Field Description	Format and Valid Values
1	<DLSubsidizedSummary> <DLUnsubsidizedSummary> <DLPLUSSummary> <TEACHSummary> <DLPerkinsSummary> <DLConsolidationSummary> <FFELSummary> <FFELConsolidationSummary> A complex element that provides a logical grouping of elements related to the award.	
2	<TransactionID> A unique transaction ID assigned to the Award by the Servicers in order to track what information has been sent and acknowledged with a response.	ACCYYMMDDHHmmssSSSxxxxxx A-Indicates that this ID is at the award level CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the award transaction ID was created. xxxxxx-Indicates the Servicer ID of the Servicer sending the document

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Field #	Field Description	Format and Valid Values
3	<p><AwardID></p> <p>Unique award identifier. Once the award ID is assigned, it cannot be changed.</p>	<p>For Direct Loan: Borrower's Social Security Number: 001010001-999999998; Loan Type: S = Subsidized U = Unsubsidized P = PLUS for parent and graduate/professional borrowers; Program Year: last two digits of award year; School Code: X00000-X99999 where X = G or E Loan Sequence Number: 001-999</p> <p>For Direct Loan Consolidation: Must allow an alphanumeric value with a maximum length of 21 characters and minimum length of 1 character. May contain blanks and special characters.</p> <p>For FFEL: Must allow an alphanumeric value with a maximum length of 21 characters and minimum length of 1 character. May contain blanks and special characters.</p> <p>For FFEL Consolidation: Must allow an alphanumeric value with a maximum length of 21 characters and minimum length of 1 character. May contain blanks and special characters.</p> <p>For DL Perkins: Borrower's Social Security Number: 001010001-999999998; Award Type K: = Perkins Award Year: last two digits of award year; School Code: X00000-X99999 where X = G or E; Loan Sequence Number: 001-999</p> <p>For TEACH Grant: Borrower's Social Security Number: 001010001-999999998 Award Type: H = TEACH Award Year: last two digits of award year First six digits of school OPEID: 000000-099990 Award Sequence Number: 001-999</p>

2.5 Discharge Information

The Discharge block contains information related to discharges and discharge reversals. Discharge information is required only when there are discharges for an applicable award being sent in the file.

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Field #	Field Description	Format and Valid Values
1	<p><Discharge></p> <p>A complex element that contains information related to discharge information. This discharge block is for all discharge types.</p>	NA
2	<p><DischargeReason></p> <p>Discharge Reason is the code that corresponds with the legal reason that the Borrower's loan is being discharged.</p>	Closed School Death False Certification Benefit Unauthorized Disability Identity Theft False Certification Disqualifying Satisfied Teacher Unpaid Refund Veteran Bankruptcy Borrower Defense Disaster Relief
3	<p><DischargeAmount></p> <p>Discharge Amount is the amount that is reported as discharge in Servicing, up to the total amount disbursed in Servicing.</p>	0 – 999999999.99 If there is not a discharge amount, populate with '0'
4	<p><DischargeDate></p> <p>Discharge Applied Date is the date the Discharge was applied in Servicing.</p>	CCYY-MM-DD Must <=Current Processing Date
5	<p><DischargeActionCode></p> <p>The discharge reason indicates if the discharge is a new discharge or if it is a reversal of a previously applied discharge.</p>	New – New discharge Reverse – Reverse a previously applied discharge
6	<p><DisabilityDate></p> <p>The Total and Permanant Disability Date is a date on which the Borrower became Disabled.</p>	CCYY-MM-DD Must be populated if discharge reason is equal to Disability or Veteran
7	<p><DischargePerson></p> <p>Indicates whether the discharge is related to the borrower or the student.</p>	Borrower – Discharge related to the Borrower Student – Discharge related to the Student

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Field #	Field Description	Format and Valid Values
	<p>For a DL Plus award, if the discharge relates to both the borrower and student, the servicers must submit two discharge blocks within the award block.</p> <p>Required field for all discharge reasons</p>	
8	<p><Index></p> <p>This complex element provides a logical grouping of elements related to indexing information, which includes the SSN and BirthDate elements.</p>	NA
9	<p><SSN></p> <p>The discharged person's Social Security Number. The SSN should correspond with the discharged person tag (i.e. the borrower SSN if the borrower is discharged; the student SSN if the student is discharged (student only applies for Discharge due to Death)</p> <p>Required field for all discharge reasons</p>	001010001 to 999999998
10	<p><BirthDate></p> <p>The discharged person's current date of birth. The date of birth should correspond with the discharged person tag (i.e. the borrower birth date if the borrower is discharged; the student birth date if the student is discharged (student only applies for Discharge due to Death)</p> <p>Required field for all discharge reasons</p>	CCYY-MM-DD

2.6 *Payment Information*

The Payment block contains information related to payments made to DL Subsidized, DL Unsubsidized, and DL Perkins awards within 120 days of the disbursement date. Payment information is only required when payments for an applicable award are being sent in the file. New payment information and adjustments to payments are sent in this block.

Field #	Field Description	Format and Valid Values
1	<p><Payment></p> <p>A complex element that provides a logical grouping of elements related to payments to servicer.</p>	NA

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Field #	Field Description	Format and Valid Values
2	<GrossAmount> The payment amount	0 – 999999999.99
3	<FeeAmount> The fee amount	0 – 999999999.99
4	<RebateAmount> The rebate amount	0 – 999999999.99
5	<GrossAdjustmentAmount> The payment adjustment amount.	0 – 999999999.99
6	<FeeAdjustmentAmount> The fee adjustment amount	0 – 999999999.99
7	<RebateAdjustmentAmount> The rebate adjustment amount	0 – 999999999.99
8	<PaymentSequenceNumber> The new sequence number assigned to the payment to servicer	Must be between 99-91 Must not duplicate a previous Disb. Seq. Number for this disbursement
9	<OriginalDisbursementNumber> Original disbursement number refers to the disbursement number currently recorded in the receiver's (COD's) database. Original disbursement number associated with the payment to servicer.	1 to 20 Must equal one of the original disbursement numbers on file in COD for this disbursement
10	<OriginalDisbursementDate> Original disbursement date refers to the disbursement date currently recorded in the receiver's (COD's) database. Date on which funds for a specific loan were disbursed to the borrower (or to a third party on borrower's behalf as instructed by the borrower).	CCYY-MM-DD Must equal Disbursement Date on file in COD for that Disbursement number
11	<EffectiveDate> The effective date of the payment.	CCYY-MM-DD Must be <=CPD

2.7 Transfer Information

The Transfer block contains information related to transfers between servicers. This block can only be sent by the servicer who receives the transfer. Transfer information is only required when transfers for an applicable award are included in the file.

Field #	Field Description	Format and Valid Values
1	<Transfer> A complex element that contains a logical grouping related to servicer to servicer transfer.	NA
2	<EffectiveDate> The effective date of the transfer.	CCYY-MM-DD
3	<PreviousServicer> The ID of the servicer that previously held the loan. This will be sent by the servicer that accepted the transfer.	000000-999999
4	<PaidInFullIndicator> Boolean value indicating if an award has been paid in full by a Consolidation.	True – Award was Paid in Full by a Consolidation False – Award was not Paid in Full by a Consolidation

2.8 Response Block

The response block contains information related to the response to the servicer activity file. COD will send the Response after processing the document and the response blocks will indicate the status of the file, including any rejected elements and the reasons for rejection with the relevant edit codes. A Response block will be generated for each Document, Borrower and Award block (associated with the relevant Transaction ID) sent in the servicer activity file. Each response block will be nested under the relevant Document, Borrower or Award block.

Field #	Field Description	Format and Valid Values
1	<Response> A complex element containing a logical grouping of elements related to the response information	NA
2	<ResponseCode> The appropriate response code that indicates if the transaction ID was Accepted or Rejected.	Accepted Rejected

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3	<p><EditProcessResult></p> <p>A complex element that contains a logical grouping of elements pertaining to the edit processing if there is a reject response code.</p>	NA
4	<p><ResponseErrorCode></p> <p>The error code indicating the type of error.</p> <p>Required if <ResponseCode>='Rejected'</p>	000-999
5	<p><ResponseMessage></p> <p>A message indicating why the error occurred</p>	Please see the Additional Servicer Support Guide
6	<p><ResponseErrorField></p> <p>The field where the error occurred.</p> <p>Required if <ResponseCode>='Rejected'</p>	Please see the Common Servicing Schema for valid range of values
7	<p><ReportedValue></p> <p>The value reported by COD.</p>	Please see the Common Servicing Schema for valid range of values

3 Loan Consolidation Activity File Block Information

3.1 Document Information

The Document block is a required block that contains information related to the source of the document/batch, the document destination, and the date and time the document was created

Field #	Field Description	Format and Valid Values
1	<p><TransmissionData></p> <p>This complex element provides a logical grouping of elements related to the document.</p>	NA
2	<p><DocumentID></p>	DCCYYMMDDHHmmssSSS00000001

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Field #	Field Description	Format and Valid Values
	The Date and Time stamp with the Source Entity ID.	D-Indicates that this ID is at the document level CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the document transaction ID was created. 00000001-Indicates the Routing ID of COD (the system sending the document)
3	<DocumentType> Indicates what type of document is being sent.	Request Receipt Response
4	<CreateDateTime> The Date , Time stamp and Time zone when the document was created.	CCYY-MM-DDThh:mm:ss.sss±hh:mm Example: 2010-07-08T20:12:52.000-04:00
5	<Source> This element provides a logical grouping of elements related to the Source of the document	NA
6	<Destination> This element provides a logical grouping of elements related to the Destination of the document.	NA
7	<RoutingID> Element containing the Routing ID for COD	COD is 00000001
8	<ServicerID> Element containing the Servicer ID	0-999999
9	<EntityName> Optional entity name	Name of COD or the Servicer

3.2 Borrower Inquiry Information

The Borrower Inquiry block contains basic information related to a borrower who is consolidating their loans. Borrower Inquiry information is sent by COD in the Loan Consolidation Request file and by an Additional Servicer in the Loan Consolidation Response file.

Field #	Field Description	Format and Valid Values
1	<BorrowerInquiry> A complex element that provides a logical grouping of elements related to the Borrower Inquiry block.	NA

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
2	<p><TransactionID></p> <p>A unique transaction ID that will be assigned to the Borrower Inquiry block by COD in order to track what information has been sent and acknowledged with a response.</p>	<p>ICCYMMDDHHmmssSSS00000001</p> <p>I-Indicates that this ID is at the borrower inquiry level</p> <p>CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created.</p> <p>00000001-Indicates the Routing ID of COD (the system sending the document)</p>
3	<SSN>	001010001 to 999999998

3.3 Inquiry Response Information

The Inquiry Response block will only be sent by the Additional Servicers in the Loan Consolidation Activity Response file and contains information regarding the underlying awards that the servicer holds, or does not hold, for that borrower.

Field #	Field Description	Format and Valid Values
1	<p><InquiryResponse></p> <p>A complex element that provides a logical grouping of elements related to the inquiry response.</p>	NA
2	<p><AwardCount></p> <p>The number of underlying awards sent by the Additional Servicers in the Loan Consolidation Response file. If the Servicer does not hold any underlying awards for the borrower, an Award Count of zero will be returned</p>	Must be a valid integer 0 or greater

3.4 Underlying Award Response Information

The Underlying Award block that is contained within the Borrower Inquiry Response block will be sent by the Additional Servicers if the servicer holds an underlying award for the borrower. If the Servicer does not have an underlying award for that borrower, the Underlying Award block will not be sent and the <AwardCount> in the <InquiryResponse> block will be populated with '0'.

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
1	<p><UnderlyingAwardID></p> <p>The logical code, which uniquely identifies a student loan/award. Once assigned, this ID does not change.</p> <p>The Loan/Award ID is for an underlying loan held by a servicer in response to a borrower inquiry. Each Loan/Award ID is associated with a borrower SSN sent in the borrower inquiry block.</p>	<p>The Loan/Award ID is composed of the following data:</p> <p>Positions 1-9: Student SSN Position 10: Loan/Award Type Positions 11-12: Award Year Positions 13-18: School Code Positions 19-21: Sequence Number.</p>
2	<p><LoanTypeCode></p> <p>The Loan Type code indicates the type of loan.</p>	<p><u>Subsidized Loans:</u></p> <p>DL Subsidized (Direct Subsidized Loans) Consolidation Subsidized (Direct Subsidized Consolidation Loans) Federal Subsidized Consolidation (Subsidized Federal Consolidated Loans) Federal Stafford Subsidized (Subsidized Federal Stafford Loans) Federal Insured Student (Federal Insured Student Loans – FISL) Guaranteed Student (Guaranteed Student Loans – GSL) Direct Subsidized SULA (Direct Subsidized Loans- SULA) Direct Subsidized Consolidation SULA (Direct Subsidized Consolidation Loans- SULA)</p> <p><u>Unsubsidized Loans:</u></p> <p>DL Unsubsidized (Direct Unsubsidized Loans, including converted TEACH grants) DL PLUS (Direct PLUS Loans – for parents or for graduate and professional students) Consolidation Unsubsidized (Direct Unsubsidized Consolidation Loans) Consolidation PLUS (Direct PLUS Consolidation Loans) Federal Unsubsidized Consolidation (Unsubsidized Federal Consolidation Loans) Federal Stafford Unsubsidized (Unsubsidized Federal Stafford Loans) Federal PLUS (Federal PLUS Loans – for parents or for graduate and professional students) PLUS (Parent Loans for Undergraduate Students – PLUS) Federal Supplemental Student (Federal Supplemental Loans for Students – SLS) Auxiliary Assist (Auxiliary Loans to Assist Students – ALAS) Health Professions (Health Professions Student Loans – HPSL)</p>

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
		Health Education Assistance (Health Education Assistance Loans – HEAL) Nursing Student (Nursing Student Loans – NSL) Disadvantaged Students (Loans for Disadvantaged Students – LDS) Federal Perkins (Federal Perkins Loans) National Direct Student (National Direct Student Loans – NDSL) National Defense Student (National Defense Student Loans – NDSL) GradPLUS (Direct Parent Loan for Undergrad - GPLUS)
3	<InterestRateCategory> The interest rate category field qualifies the value in the interest rate field.	Add on (Add on component of the total interest rate for the loan) Total (Total interest rate for the loan)
4	<InterestRate> The interest rate field contains the percentage interest rate or interest rate component defined in the interest rate category field for a specific loan.	Percent
5	<InterestRateIncentiveIndicator> The Interest Rate Incentive Indicator identifies if the borrower has already earned an interest rate incentive on the loan being consolidated at the time of certification.	True – Interest Rate Incentive Earned False – No Interest Rate Incentive Earned
6	<IncentiveStatus> The Incentive Status is the status of a borrower’s on-time payment record as it applies to earning an on-time payment incentive.	No Incentive Earned Unearned Payments Current Unearned Payments Not Current Lost Unearned Transferred To Consolidation
7	<BalancesEffectiveDate> The effective date of the Loan Balance (Principal Balance Amount, Interest Balance Amount, Fees Balance Amount and Charges Balance Amount)	CCYY-MM-DD Must be less than or equal to the current processing date
8	<DailyAccrualAmount> The amount of interest that accrues on a loan for each day based on the current outstanding loan balance. The amount is used by the Consolidator for calculating the	0 to 999999999.99

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	payoff amount for a loan being consolidated. The Servicer provides this amount to the Consolidator for the purposes of calculating an accurate payoff amount.	
9	<PayoffAmount> Amount that is required to fulfill the obligation of the loan that is being consolidated. It is the sum of the Principle Balance Amount, Interest Balance Amount, Fees Balance Amount, and Charges Balance Amount.	0 to 999999999.99
10	<PrincipleBalanceAmount> The principal amount outstanding for the loan at specific point in time.	0 to 999999999.99
11	<InterestBalanceAmount> The current interest amount outstanding for the loan at specific point in time.	0 to 999999999.99
12	<ChargesBalanceAmount> The charges amount outstanding for the loan at specific point in time.	0 to 999999999.99
13	<FeesBalanceAmount> The fees amount outstanding for the loan at specific point in time.	0 to 999999999.99
14	<EnrollmentStatus> The enrollment status of a student in an academic post secondary education institution as it pertains to the eligibility of a grace period or an in-school deferment. NSLDS is the data source for the most current information.	Leave of absence Deceased Full Time Graduated Half Time Less Than Half Time Withdrawn Never Attended No Record Found
15	<EnrollmentDate> Date on which the information pertaining to the event or the element described by the element qualifier is or will become valid.	CCYY-MM-DD
16	<LoanStatus>	Bankruptcy Discharged Bankruptcy Active Canceled

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	The status of a Direct Loan as reported to and recorded by the National Student Loan Data System (NSLDS) and CDS.	False Certification Closed Schools Deferred Death Disability Defaulted Forbearance Fraud Investigation Fraud Litigation School Grace Paid In Full Consolidation Paid In Full Repayment Delinquent Transit
17	<AcademicCompletionDate> Date of anticipated or actual completion by the student of an academic degree or program requirements.	CCYY-MM-DD Calculated field depends on main location's program length, student's grade level and award year.
18	<LoanStatusChangeDate> Date on which the element or elements referenced in the qualifier were corrected or changed.	CCYY-MM-DD
19	<AttendedSchoolOPEID> Attending refers to the Institution that the student is currently attending or has most recently attended. The number assigned to an institution by the Department of Education Office of Post Secondary Education which uniquely identifies an Institution.	8 Characters Must be a valid OPEID
20	<ApplicationReceiptDate> Application Receipt Date is the date the loan application was received by the organization processing the application. *If the additional servicer does not have this information, then this date must be populated with '9999-12-31')	CCYY-MM-DD

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
21	<p><RepaymentOption></p> <p>Repayment plan selected by the borrower to repay the loan.</p>	<p>Pre HERA Standard Repayment Fixed Payment Extended Term Graduated Repayment Income Contingent Income Contingent A (for future use) Not In Repayment Special Plan Consolidation Graduated Repayment Consolidation Standard Repayment Extended Fixed Repayment Extended Graduated Repayment Standard Repayment Graduated 10 Year Repayment Income Based Repayment Income Sensitive PayAsYouEarn RevisedPayAsYouEarn No Repayment Plan Selected</p>
22	<p><UnearnedRebateAmount></p> <p>The Unearned Rebate Amount is the rebate amount of the loan being paid off by consolidation that needs to be transferred to the new consolidation loan because the borrower has not yet met the on-time payment requirements for earning the rebate.</p>	<p>0 to 999999999.99</p> <p>If the payoff amount is equal to zero, the unearned rebate amount must also be equal to zero.</p>
23	<p><IBRMonths></p> <p>Number of months Economic Hardship Deferment has been used since the Borrower started repaying via the Income Based Repayment plan.</p>	<p>Integer, valid value range 0 to 36</p>
24	<p><IBREligibilityIndicator></p> <p>Indicator that specifies whether the loan is eligible for the IBR repayment plan</p>	<p>True – Loan is eligible for IBR</p> <p>False – Loan is ineligible for IBR</p>
25	<p><IBRBeginDate></p> <p>The date that the Borrower began repayment on the IBR plan. If the date differs for loans, report the earliest date of all underlying loans.</p>	<p>CCYY-MM-DD</p> <p>Must be a valid date if IBR Months is greater than zero. If the IBR months is equal to zero, populate with '9999-12-31'</p>

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	*If the award is not part of an IBR repayment plan, then this date must be populated with '9999-12-31')	
26	<FirstDisbursementDate> Date on which funds for a specific loan were or will be disbursed to the borrower (or to a third party on borrower's behalf as instructed by the borrower).	CCYY-MM-DD

3.5 Borrower Information

The Borrower block contains identifying and demographic information related to the borrower. COD will send new borrower information and updates to borrower information in this block.

Field #	Field Description	Format and Valid Values
1	<Borrower> A complex element that provides a logical grouping of elements related to the borrower.	NA
2	<TransactionID> A unique transaction ID that will be assigned to the borrower by COD in order to track what information has been sent and acknowledged with a response.	BCCYYMMDDHHmmssSSS00000001 B-Indicates that this ID is at the person (borrower) level CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created. 00000001-Indicates the Routing ID of COD (the system sending the document)
3	<NewBorrowerIndicator> Indicates if the borrower is a new borrower to the servicer for newly consolidated loans.	True – new borrower false – existing borrower
4	<SSN> The borrower's current Social Security Number (The number assigned by the Social Security Administration which identifies a participant)	001010001 to 999999998
5	<Identifiers>	NA

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	A complex element that contains information related to the borrower's identification information.	
6	<BirthDate> The borrower's current date of birth.	CCYY-MM-DD
7	<AlienRegistrationNumber> A number provided by the U.S. Government's Immigration and Naturalization Service to identify a legal, permanent resident alien.	Alphanumeric
8	<DriversLicenseNumber> Driver's license number for the participant.	Alphanumeric
9	<DriversLicenseState> State in which the driver's license was obtained. If the Driver's License Number has been provided, this information must also be provided. This will be the standard 2-character state abbreviation supplied by the U.S. Postal Service.	2 Character Valid state
10	<Name> This complex element provides a logical grouping of elements related to name information.	NA
11	<FirstName> The borrower's first name. This basic component specifies the name given to a person at birth, baptism, or another naming ceremony, or through legal change.	string, minimum length of 1 and maximum length of 35
12	<MiddleName> The borrower's middle initial (first letter of their middle name).	string, minimum length of 1 and maximum length of 35
13	<LastName> The borrower's last name or surname by which a person is legally known.	string, minimum length of 1 and maximum length of 35
14	<Contacts> This complex element provides a logical grouping of elements related to contact information.	NA
15	<Address>	NA

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	A complex element that provides a logical grouping of elements related to Address information. Address refers to the elements that constitute the mailing address. Those tags generally include Address Line, City, State, and Zip Code.	
16	<AddressType> This element indicates if the address is a Permanent or Temporary Address.	Permanent Temporary
17	<AddressLine> A line of the borrower's address. There is a maximum occurrence of three address lines for this tag. The sequence of this tag maps to the borrower's first, second, and third lines of address.	String, minimum length of 1 and maximum length 40
18	<City> The borrower's city.	String, minimum length of 2 and maximum length of 30
19	<StateProvinceCode> The borrower's State or Province.	Uppercase A to Z; Valid state or province code
20	<PostalCode> The borrower's Postal Code (Zip Code).	String, minimum length of 1 and maximum length of 17
21	<CountryCode> The borrower's country. This basic component specifies the ISO standard 3166-alpha 2 Country code for the address.	Uppercase A to Z; Valid country code New valid country codes to be added to the CoreMain xsd: South Sudan (SS) and Curacao (CW) (Will not yet be added to the system, will not yet be sent will not yet be sent with Release 14.3)
22	<EffectiveDate> Date on which the information pertaining to the address was last updated or added.	CCYY-MM-DD
23	<Phone> A complex element that provides a logical grouping to information related to the phone number.	NA
24	<Email> A complex element that provides a logical grouping of elements related to the email address.	NA
25	<EmailAddress>	String, minimum length of 1 and maximum of 128

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	The borrower's email address.	
26	<p><PhoneType></p> <p>Indicates the phone number type.</p>	<p>Main – Evening/Home Phone Number</p> <p>Alternate – Work/Daytime Phone Number</p> <p>Work – Work Number (<i>This is documented in this layout in anticipation of future releases</i>)</p> <p>Fax – Fax Number</p> <p>Mobile – Mobile number</p>
27	<p><PhoneNumber></p> <p>The borrower's phone number. There is a maximum occurrence of three phone numbers for this tag.</p>	0 to 9999999999999999
28	<p><Citizenship></p> <p>A complex element that contains information related to the citizenship of the borrower.</p>	NA
29	<p><CitizenshipStatusCode></p> <p>Citizenship Code for the participant who is eligible for a Title IV loan.</p> <p>If the tag not is not included in the document, then the citizenship status is unknown.</p>	<p>Citizen</p> <p>EligibleNonCitizen</p> <p>NotEligible</p>
30	<p><PrimaryLanguage></p> <p>The Primary Language Indicator identifies the preferred language of the participant.</p>	<p>English</p> <p>Spanish</p>

3.6 DL Consolidation Award Information

The DL Consolidation Award block contains information related to a borrower's consolidated award. COD will send new award information and updates to the award information in this block.

Field #	Field Description	Format and Valid Values
1	<p><DLConsolidation></p> <p>The complex element that contains information to the DL Consolidation award.</p>	NA
2	<TransactionID>	ACCYYMMDDHHmmssSSS00000001

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	A unique transaction ID assigned to the Award by COD in order to track what information has been sent and acknowledged with a response.	A-Indicates that this ID is at the award level CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the award transaction ID was created. 00000001-Indicates the Routing ID of COD (the system sending the document)
3	<NewAwardIndicator> Indicates if the award is new to the servicer for consolidated awards.	True-new activity false-maintenance award activity
4	<AwardID> The logical code, which uniquely identifies a student loan/award. Once assigned, this ID does not change. This Loan/Award ID is associated with a Consolidated Award.	The Loan/Award ID is composed of the following data for consolidated loans: Positions 1-9: Student SSN Position 10: 'S' for subsidized; 'U' for unsubsidized Positions 11-12: Award Year Positions 13-18: G77778 Positions 19-21: Sequence Number.
5	<FinancialAwardYear> The academic year that corresponds to the year of the Direct Loan program. For consolidation loans, this is the ED fiscal year the consolidation application was received.	0000 – 9999
6	<FinancialAwardAmount> The amount that was approved for a loan/award, including any adjustments.	0-999999999.99
7	<ConsolidationProcessCode> The type of process for the consolidation loan application.	Express Expedite Fast Track Regular
8	<ConsolidationApplicationReceiptDate> Application Receipt Date is the date the loan application was received by the organization processing the application.	CCYY-MM-DD
9	<InSchoolIndicator> In-School Consolidation Loan Indicator is set to 'True' when a consolidation loan is for a borrower with an in-school status.	True- Meets Criteria False – Does Not Meet Criteria
10	<RepaymentOption> Repayment plan selected by the borrower to repay the loan.	Pre HERA Standard Repayment Fixed Payment Extended Term

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
		Graduated Repayment Income Contingent Income Contingent A (for future use) Not In Repayment Special Plan Consolidation Graduated Repayment Consolidation Standard Repayment Extended Fixed Repayment Extended Graduated Repayment Standard Repayment Graduated 10 Year Repayment Income Based Repayment Income Sensitive PayAsYouEarn RevisedPayAsYouEarn No Repayment Plan Selected
11	<RepaymentOptionSource> Source of the decision of the repayment option. The source is the Department of Education for a 'forced' ICR consolidation loan. The source is the Servicer when a borrower does not respond and the Servicer assigns the standard Fixed Payment repayment plan. Otherwise the source is the borrower.	Department of Education Servicer Borrower
12	<IBRMonths> Number of months Economic Hardship Deferment has been used since the Borrower started repaying via the Income Based Repayment plan.	Integer, valid value range 0 to 36
13	<IBREligibilityIndicator> Indicator that specifies whether a consolidation loan is comprised of underlying loans that do not qualify for the IBR repayment plan	True – Loan is eligible for IBR as it does not include ineligible underlying loans False – Loan is ineligible for IBR as it includes ineligible underlying loans
14	<IBRIncomeIndicator> Indicator that specifies if a consolidation loan Borrower that selected the IBR plan provided income information to Direct Loan Consolidation.	True – Borrower provided income information to DLCS False – Borrower did not provide income information to DLCS

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
15	<p><IBRBeginDate></p> <p>The date that the Borrower began repayment on the IBR plan. If the date differs for loans, report the earliest date of all underlying loans.</p>	CCYY-MM-DD
16	<p><AdditionalNonDirectDebtAmount></p> <p>Amount of eligible non-Direct debt to be used when calculating the Borrower's payment amount for the IBR plan</p>	0-999999999.99
17	<p><StudentLevelCode></p> <p>Indicates the student's current academic level as defined by the Direct Loan, Direct Perkins Loan or TEACH Programs.</p> <p>Note: The student level can differ by program for the same award year.</p>	CollegeFirstYear CollegeFirstYearAttendedBefore CollegeSophomore CollegeJunior CollegeSenior CollegeFifthYear GraduateFirstYear GraduateBeyondFirstYear
18	<p><AcademicCompletionDate></p> <p>Date of anticipated or actual completion by the student of an academic degree or program requirements.</p>	CCYY-MM-DD
19	<p><EnrollmentStatus></p> <p>The enrollment status of a student in an academic post secondary education institution as it pertains to the eligibility of a grace period or an in-school deferment. NSLDS is the data source for the most current information.</p>	Leave of absence Deceased Full Time Graduated Half Time Less Than Half Time Withdrawn Never Attended No Record Found
20	<p><EnrollmentDate></p> <p>Date on which the information pertaining to the event or the element described by the element qualifier is or will become valid.</p>	CCYY-MM-DD
21	<p><CreditReformCode></p> <p>Code used to calculate the subsidy for a consolidation award. The first four positions are the fiscal year of the Loan Booking Disbursement, the 5th position is the Loan Type and the 6th position is the Risk Category.</p>	<p>The first four positions are the fiscal year of the booked loan, the 5th position is the loan type and the 6th position is the Risk Category.</p> <p>Values for the Loan Type are:</p> <ul style="list-style-type: none"> • 5 – Consolidation, Subsidized;

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
		<ul style="list-style-type: none"> • 6 – Consolidation, Unsubsidized; • 7 – Consolidation, PLUS; <p>Values for the Risk Category are:</p> <ul style="list-style-type: none"> • 1 – 4 year school – 1st and 2nd year students; • 2 – 2 year schools; • 3 – 4 year schools – 3rd, 4th and 5th year and Graduate students; • 4 – Proprietary Schools; • 5 – All schools except proprietary; • 6 – All schools.
22	<p><OriginationFeePercent></p> <p>The Origination Fee Rate is the percentage used to compute the Origination Fee for disbursements against this loan.</p>	Percent
23	<p><OriginationFeeType></p> <p>The Origination Fee type indicates the business rule used to determine the Origination Fee Rate for this loan.</p>	Consolidation Discounted Normal
24	<p><InterestRateCategory></p> <p>The interest rate category field qualifies the value in the interest rate field.</p>	Add On (Add on component of the total interest rate for the loan) Total (Total interest rate for the loan)
25	<p><InterestRate></p> <p>The interest rate field contains the percentage interest rate or interest rate component defined in the interest rate category field for a specific loan.</p>	Percent
26	<p><InterestRateIncentiveIndicator></p> <p>The Interest Rate Incentive Indicator identifies if the borrower has already earned an interest rate incentive on the loan being consolidated at the time of certification.</p>	False – No Interest Rate Incentive Earned True – Interest Rate Incentive Earned
27	<p><InterestRateEffectiveDate></p> <p>Effective date of the interest rate.</p>	CCYY-MM-DD
28	<p><IncentiveEligibilityIndicator></p> <p>Incentive Eligibility Indicator identifies if a loan is eligible for an interest rate incentive.</p>	False – Not eligible True – Eligible
29	<p><InterestRebatePercent></p> <p>Interest Rebate Percentage is the percentage rebate that is in effect for the disbursement.</p>	Percent
30	<p><DUNSNumber></p> <p>DUNS number is assigned for each organization</p>	Alphanumeric: 15 Character maximum

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Field #	Field Description	Format and Valid Values
31	<p><AttendedSchoolOPEID></p> <p>The OPE ID of the attended school associated with the award</p>	8 characters
32	<p><DLSchoolID></p> <p>The Direct Loan ID of the attended school associated with the award.</p> <p>(Attended school refers to the Institution that disbursed or will disburse the funds for the loan.)</p> <p>Identifier for an academic Institution that has been or is considering participation in the Direct Loan Program. The ID is assigned by the Department of Education. Each loan consolidation organization or other organization acting as an agent on behalf of the Department who is originating loans or receiving funds from the program is also assigned a unique Institution ID.</p>	6 characters
33	<p><LoanPeriodBeginDate></p> <p>Loan Period refers to the academic period for which the loan applies. Date on which the period described by the element qualifier started or will start.</p>	CCYY-MM-DD
34	<p><LoanPeriodEndDate></p> <p>Loan Period refers to the academic period for which the loan applies. Date on which the event or time frame described by the element qualifier is no longer or will no longer be valid or effective.</p>	CCYY-MM-DD
35	<p><BookedDate></p> <p>The award booked date is the date the award first booked.</p>	CCYY-MM-DD
36	<p><DLIndicator></p> <p>Direct Underlying Loan Indicator is set to 'True' when a consolidation loan application has one or more underlying loans which are Direct Non-Consolidation Loans.</p>	True – Meets Criteria False – Does Not Meet Criteria
37	<p><DLConsolidationIndicator></p> <p>Direct Consolidation Underlying Loan Indicator is set to 'True' when a consolidation loan application has one or more underlying loans which are Direct Consolidation Loans. This field does not apply to non-consolidation loans.</p>	True – Meets Criteria False – Does Not Meet Criteria

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Field #	Field Description	Format and Valid Values
38	<OtherLoanIndicator> Other Underlying Loan Indicator is set to 'True' when a consolidation loan application has one or more underlying loans which do not fall into the other 4 categories – Direct Consolidation, Direct Non-consolidation, FFEL Consolidation, and FFEL Non-Consolidation.	True – Meets Criteria False – Does Not Meet Criteria
39	<DefaultIndicator> Flag to indicate if any of the underlying loans of this loan type were in default at the time of consolidation.	True – At least one loan in default False – No loans in default
40	<FFELIndicator> FFEL Underlying Loan Indicator is set to 'True' when a consolidation loan application has one or more underlying loans which are FFEL Non-Consolidation Loans.	True – Meets Criteria False – Does Not Meet Criteria
41	<FFELConsolidationIndicator> FFEL Consolidation Underlying Loan Indicator is set to 'True' when a consolidation loan application has one or more underlying loans which are FFEL Consolidation Loans.	True – Meets Criteria False – Does Not Meet Criteria
42	<DependentCount> Number of individuals dependent on a person for financial support (including the person).	0 – 99
43	<IndebtAmount> This field is obtained from the application for or certification process. It is the total amount of all borrower reported outstanding educational loans at a point in time, whether the underlying loan is being consolidated or not.	0 to 999999999.99
44	<AdjustedGrossIncomeAmount> The income amount provided by the borrower on the Alternative Documentation of Income provided to Loan Consolidation.	0 to 999999999.99

3.7 ICR Information

The ICR block contains information related to the ICR (Income Contingent Repayment) plan for the DL Consolidated award. ICR information bases payments off of the borrower's income, total amount borrower and the family income.

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Field #	Field Description	Format and Valid Values
1	<p><ICR></p> <p>A complex element that provides a logical grouping of elements related to the Income Contingent Repayment fields.</p>	NA
2	<p><WaiverYear></p> <p>Beginning tax year for which an approved ICR Waiver is valid. The waiver is valid for five years unless revoked by the participant.</p>	YYYY
3	<p><ICRRepaymentOption></p> <p>The ICR repayment option that is selected by the borrower.</p>	Formula Amortization Regulations
4	<p><JointRepaymentIndicator></p> <p>Flag indicating if the borrower wishes to jointly repay loans with their spouse, under the ICR plan.</p>	True – Joint ICR Repayment False – Single ICR Repayment If the borrower is not on ICR, then the tag will not be sent.
5	<p><WaiverSignedDate></p> <p>The date on which the borrower signed the ICR waiver.</p>	CCYY-MM-DD
6	<p><WaiverType></p> <p>The ICR Waiver Type indicates whether or not spouse data is required for an ICR Waiver to be complete based on the consolidation loan application and supporting documentation.</p>	Borrower Borrower And Spouse
7	<p><WaiverCompleteness></p> <p>The ICR Waiver Completeness identifies the status of the waiver received by the Loan Consolidation system. All permitted values other than <i>Not Received</i> require that the waiver has all the necessary data for approval by the IRS.</p>	Approved – Approved ICR Waiver Submitted – Complete Waiver Submitted Not Received - Approvable Waiver not received Received Borrower Only – Borrower Only Waiver Received Submitted Borrower Only – Borrower Only Waiver Submitted
8	<p><IncomeControlDate></p> <p>This is the date available on the certification, which can be used to determine the requirement to collect alternative income. This is the most recent separation date or academic program completion date associated with a non-PLUS FFEL or Direct underlying loan on the consolidation application. This field is required if the application is for a regular consolidation loan. This field is not populated if the application is for an In-School consolidation loan.</p>	CCYY-MM-DD

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3.8 Consolidation Application Note Information

The Consolidation Application Note block contains information related to the Consolidation Application Note and will be sent with DL Consolidated Awards. The COD System will send this block when there is new Consolidation Application Note information or updates to existing Consolidation Application Note information for an award.

Field #	Field Description	Format and Valid Values
1	<ConsolidationApplicationNote> A complex element that contains information related to the consolidation application promissory note)	NA
2	<ConsolidationApplicationNoteID> The Consolidation Application Note ID (MPN for Consolidated loans) is a unique identifier of the Application Note for this loan/award. In the case of a loan, more than one loan can have the same promissory note. This identifier applies to new originations and consolidation loans	Borrower's Social Security Number: 001010001-999999998 MPN Type: 'C' or 'P' Program Year: 10, for 2009-2010 (example) Loan Consolidation code: G77778 MPN Sequence Number: 001-999
3	<Status> Status determines if additional loans can be booked for this Consolidation Application Note.	Active – Consolidation Application Note is active Inactive – Consolidation Application Note is inactive Closed – Consolidation Application Note is closed None – Consolidation Application Note is not on file
4	<EMPNIndicator> The type of Consolidation Application Note (paper or electronic)	true- electronic false-paper
5	<ExpirationDate> The expiration date of the Consolidation Note.	CCYY-MM-DD
6	<SignedDate> The date in which the Consolidation Application Note (MPN) was signed	CCYY-MM-DD

3.9 Disbursement Information

The Disbursement block contains information related to the DL Consolidation award’s disbursement. Multiple disbursement blocks can be nested within one award block. The COD System will send this block when there is new disbursement activity for new or existing borrowers. Updates and maintenance to existing activity will also be sent in this block.

Field #	Field Description	Format and Valid Values
1	<Disbursement> A complex element that provides a logical grouping of elements related to the disbursement.	NA
2	<NewDisbursementIndicator> Indicates if the disbursement is a newdisbursement to the servicer for federally-owned debt or maintenance to an existing disbursement.	True-new disbursement false-maintenance activity
3	<DisbursementNumber> The Disbursement Number is a sequential number which uniquely identifies a disbursement for a loan.	1-20
4	<DisbursementSequenceNumber> Disbursement Sequence Number uniquely identifies an action against a specific disbursement.	1-99
5	<DisbursementDate> Date on which funds for a specific loan were disbursed to the borrower (or to a third party on borrower’s behalf as instructed by the borrower).	CCYY-MM-DD
6	<DisbursementAmount> The gross amount the borrower is obligated to repay as a result of this disbursement. For Direct Loan this is the gross disbursement amount before the fee and interest rebate calculations are made.	0 to 999999999.99
7	<DisbursementAdjustmentAmount> The amount by which to increase or (decrease) the Disbursement Gross.	0 to 999999999.99
8	<InterestRebateAmount>	0 to 999999999.99

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Field #	Field Description	Format and Valid Values
	Interest Rebate Amount	
9	<InterestRebateAdjustmentAmount> The interest rebate adjustment amount of the disbursement.	0 to 999999999.99
10	<BookedDate> The booked date of the disbursement.	CCYY-MM-DD
11	<DisbursementFeeAmount> The fee amount associated with this disbursement based on a fixed percentage of the disbursement amount.	0 to 999999999.99
12	<DisbursementFeeAdjustmentAmount> The fee adjustment amount of the disbursement.	0 to 999999999.99

3.10 Underlying Award Information

The Underlying Award block contains information related to a borrower's underlying award. COD will send the underlying award block when sending payoff information.

Field #	Field Description	Format and Valid Values
1	<UnderlyingAward> A complex element that provides a logical grouping of elements related underlying award transactions	NA
2	<TransactionID>	ACCYYMMDDHHmmssSSS00000001 A-Indicates that this ID is at the person (borrower) level CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created. 00000001-Indicates the Routing ID of COD (the system sending the document)
3	<AwardID>	The Loan/Award ID is composed of the following data: Positions 1-9: Student SSN Position 10: Loan/Award Type

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	<p>The logical code, which uniquely identifies a student loan/award. Once assigned, this ID does not change.</p> <p>This Loan/Award ID is associated with the underlying loan when sending payoff information</p>	<p>Positions 11-12: Award Year Positions 13-18: School Code Positions 19-21: Sequence Number.</p>

3.11 Payoff Information

The Payoff block contains information related to the payoff of a borrower’s underlying award. COD will send the payoff block to the Additional Servicer based on the underlying award information sent in the Borrower Inquiry Response from the Additional Servicer. If the servicer responded that they do not hold any underlying awards for that borrower, a payoff block will not be sent.

Field #	Field Description	Format and Valid Values
1	<p><Payoff></p> <p>A complex element that provides a logical grouping of elements related to the payoff information of the underlying loans that are being consolidated.</p>	NA
2	<p><PayoffType></p> <p>Type of payoff that is represented by the transaction.</p>	Consolidation Close Out
3	<p><PayoffAmount></p> <p>Amount that is required to fulfill the obligation of the loan that is being consolidated. It is the sum of the Principle Balance Amount, Interest Balance Amount, Fees Balance Amount, and Charges Balance Amount.</p>	0 – 999999999.99
4	<p><ConsolidationAwardID></p> <p>Consolidation Loan refers to the loan which was created as a result of the consolidation process.</p> <p>The logical code, which uniquely identifies a student loan/award. Once assigned, this ID does not change.</p>	The Loan/Award ID is composed of the following data for consolidated loans: Positions 1-9: Student SSN Position 10: ‘S’ for subsidized; ‘U’ for unsubsidized Positions 11-12: Award Year (numeric) Positions 13-18: G77778 Positions 19-21: Sequence Number.
5	<p><ConsolidationApplicationNoteID></p> <p>Consolidation Application refers to the application which originated this loan. One application results in one Prom Note and one or more consolidation loans.</p> <p>The Consolidation Application Note ID (MPN for Consolidated Loans) is a unique identifier of the Application Note for this loan/award. In the case of a loan, more than</p>	Borrower’s Social Security Number: 001010001-999999998 MPN Type: ‘C’ or ‘P’ Program Year: 10, for 2009-2010 (example) Loan Consolidation Code G77778

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Field #	Field Description	Format and Valid Values
	one loan can have the same Application note. This identifier applies to new originations and consolidation loans	MPN Sequence Number: 001-999
6	<p><UnearnedRebateAmount></p> <p>The Unearned Rebate Amount is the rebate amount of the loan being paid off by consolidation that needs to be transferred to the new consolidation loan because the borrower has not yet met the on-time payment requirements for earning the rebate.</p>	0 – 999999999.99
7	<p><IncentiveStatus></p> <p>The Incentive Status is the status of a borrower’s on-time payment record as it applies to earning an on-time payment incentive.</p>	No Incentive Earned Unearned Payments Current Unearned Payments Not Current Lost Unearned Transferred To Consolidation
8	<p><EffectiveDate></p> <p>The effective date of the payoff transaction.</p>	Valid Date and it must be less than or equal to the Current Processing Date

3.12 Response Block

The response block contains information related to the response to the loan consolidation file. The servicers will send the Response after processing the document and the response blocks will indicate the status of the file, including any rejected elements and the reasons for rejection with the relevant edit codes. A Response block will be generated for each Document, Borrower and Award block (associated with the relevant Transaction ID) sent in the loan consolidation file. Each response block will be nested under the relevant Document, Borrower or Award block.

Field #	Field Description	Format and Valid Values
1	<p><Response></p> <p>A complex element containing a logical grouping of elements related to the response information</p>	NA
2	<p><ResponseCode></p> <p>The appropriate response code that indicates if the transaction ID was Accepted or Rejected.</p>	Accepted Rejected
3	<EditProcessResult>	NA

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	A complex element that contains a logical grouping of elements pertaining to the edit processing if there is a reject response code.	
4	<p><ResponseErrorCode></p> <p>The error code indicating the type of error.</p> <p>Required if <ResponseCode>='Rejected'</p>	000-999
5	<p><ResponseMessage></p> <p>A message indicating why the error occurred</p>	Please see the Additional Servicer Support Guide
6	<p><ResponseErrorField></p> <p>The field where the error occurred.</p> <p>Required if <ResponseCode>='Rejected'</p>	Please see the Common Servicing Schema for valid range of values
7	<p><ReportedValue></p> <p>The value reported by COD.</p>	Please see the Common Servicing Schema for valid range of values

4 Servicer Consolidation Activity File Block Information

4.1 Document Information

The Document block is a required block that contains information related to the source of the document/batch, the document destination, and the date and time the document was created.

Field #	Field Description	Format and Valid Values
1	<p><TransmissionData></p> <p>This complex element provides a logical grouping of elements related to the document.</p>	NA
2	<p><DocumentID></p> <p>The Date and Time stamp with the Source Entity ID.</p>	<p>DCCYYMMDDHHmmssSSSxxxxxx</p> <p>D-Indicates that this ID is at the document level</p>

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Field #	Field Description	Format and Valid Values
		CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the document transaction ID was created. xxxxxx-Indicates the Servicer ID of the Servicer sending the document
3	<DocumentType> Indicates what type of document is being sent.	Request Receipt Response
4	<CreateDateTime> The Date, Time stamp and Time zone when the document was created.	CCYY-MM-DDThh:mm:ss.sss±hh:mm Example: 2010-07-08T20:12:52.000-04:00
5	<Source> This element provides a logical grouping of elements related to the Source of the document	NA
6	<Destination> This element provides a logical grouping of elements related to the Destination of the document.	NA
7	<RoutingID> Element containing the Routing ID for COD	COD is 00000001
8	<ServicerID> Element containing the Servicer ID	0-999999
9	<EntityName> Optional entity name	Name of COD or the Servicer

4.2 Borrower Information

The Borrower block information contains identifying and demographic information related to the borrower. Servicers will send this block when sending DL Consolidation Confirmation or Transfers and Underlying Award Payoff information

Field #	Field Description	Format and Valid Values
1	<Borrower>	NA

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	A complex element that provides a logical grouping of elements related to the borrower.	
2	<p><TransactionID></p> <p>A unique transaction ID that will be assigned to the borrower by COD in order to track what information has been sent and acknowledged with a response.</p>	<p>BCCYYMMDDHHmmssSSSxxxxxx</p> <p>B-Indicates that this ID is at the person (borrower) level</p> <p>CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created.</p> <p>xxxxxx-Indicates the Servicer ID of the Servicer sending the document</p>
5	<p><SSN></p> <p>The borrower's current Social Security Number (The number assigned by the Social Security Administration which identifies a participant)</p>	001010001 to 999999998

4.3 DL Consolidation Award Information

The DL Consolidation Award block contains information related to a borrower's consolidated award. The Additional Servicers will send the DL Consolidation block when sending Confirmation and Transfer information related to a DL Consolidated award.

Field #	Field Description	Format and Valid Values
1	<p><DLConsolidationAward></p> <p>A complex element that provides a logical grouping of elements related to the Consolidated Award.</p>	NA
2	<p><TransactionID></p> <p>A unique transaction ID that will be assigned to the borrower by COD in order to track what information has been sent and acknowledged with a response.</p>	<p>ACCYYMMDDHHmmssSSSxxxxxx</p> <p>A-Indicates that this ID is at the award level</p> <p>CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created.</p>

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Field #	Field Description	Format and Valid Values
		xxxxxx-Indicates the Routing ID of the Servicer
3	<p><AwardID></p> <p>The logical code, which uniquely identifies a student loan/award. Once assigned, this ID does not change.</p> <p>This Loan/Award ID is associated with a Consolidated Award</p>	<p>The Loan/Award ID is composed of the following data for consolidated loans:</p> <p>Positions 1-9: Student SSN</p> <p>Position 10: 'S' for subsidized; 'U' for unsubsidized</p> <p>Positions 11-12: Award Year (numeric)</p> <p>Positions 13-18: G77778</p> <p>Positions 19-21: Sequence Number.</p>

4.4 Transfer Information

The transfer block contains information related to the transfer of DL Consolidated awards between servicers. This block can only be sent by the servicer who receives the transfer of the DL Consolidated award. Transfer information is only required when transfers for an applicable award are included in the file.

Field #	Field Description	Format and Valid Values
1	<p><Transfer></p> <p>A complex element that contains a logical grouping related to servicer to servicer transfer.</p>	NA
2	<p><EffectiveDate></p> <p>The effective date of the transfer.</p>	CCYY-MM-DD
3	<p><PreviousServicer></p> <p>The ID of the servicer that previously held the loan. This will be sent by the servicer that accepted the transfer.</p>	000000-999999

4.5 Confirmation Information

The Confirmation block contains information confirming that the DL Consolidated Award information has been accepted into the Servicer's system and has been posted to a borrower's account. A confirmation block will be sent for every Accepted DL Consolidated Award Transaction ID sent in the Loan Consolidation Activity File.

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Field #	Field Description	Format and Valid Values
1	<p><Confirmation></p> <p>A complex element that provides a logical grouping of elements related to the confirmation of accepted consolidated award information by a servicer</p>	NA
2	<p><ConfirmedDisbursementAmount></p> <p>Confirmed refers to the transaction that is being confirmed by this transaction.</p> <p>The Disbursement Gross from the Loan Consolidation disbursement or the Disbursement Gross Adjustment from the Loan Consolidation disbursement adjustment being confirmed by this transaction.</p>	0 to 999999999.99
3	<p><ConfirmedDisbursementDate></p> <p>Confirmed refers to the transaction that is being confirmed by this transaction.</p> <p>The Disbursement Date from the Loan Consolidation disbursement being confirmed by this transaction. For the Loan Consolidation disbursement adjustment, the Disbursement Date from the Loan Consolidation disbursement adjustment.</p>	CCYY-MM-DD
4	<p><DisbursementNumber></p> <p>The Disbursement Number is a sequential number which uniquely identifies a disbursement for a loan.</p>	1-20
5	<p><DisbursementSequenceNumber></p> <p>Disbursement Sequence Number uniquely identifies an action against a specific disbursement.</p>	1-99
6	<p><ProcessingDate></p> <p>The date that the system that received the DL Consolidation information completed the processing of that information and posted the information to the borrowers account.</p>	CCYY-MM-DD
7	<p><EffectiveDate></p> <p>The date that the system that received the DL Consolidation information.</p>	CCYY-MM-DD

4.6 Underlying Award Information

The Underlying Award block contains information related to a borrower’s underlying award. The Additional Servicers will send the underlying award block when sending payoff information.

Field #	Field Description	Format and Valid Values
1	<UnderlyingAward> A complex element that provides a logical grouping of elements related to the Underlying Award.	NA
2	<TransactionID> A unique transaction ID that will be assigned to the borrower by COD in order to track what information has been sent and acknowledged with a response.	ACCYYMMDDHHmmssSSSxxxxxx A-Indicates that this ID is at the Award level CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created. xxxxxx-Indicates the Servicer ID of the Servicer sending the document
5	<AwardID> The logical code, which uniquely identifies a student loan/award. Once assigned, this ID does not change. This Loan/Award ID is associated with the underlying loan when sending payoff information	The Loan/Award ID is composed of the following data: Positions 1-9: Student SSN Position 10: Loan/Award Type Positions 11-12: Award Year Positions 13-18: School Code Positions 19-21: Sequence Number.

4.7 Payoff Information

The Payoff block contains information related to the payoff of a borrower’s underlying award. The Additional Servicers will send the payoff block to COD based on the payoff information sent in the Loan Consolidation Activity File from COD (solicited payoffs). The servicer will respond if the payoff amount is over, under or exactly the amount that the servicer has on file. Payoffs can also be sent by the servicers when they receive additional activity on an underlying award after receiving the initial payoff from COD (unsolicited payoffs).

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Field #	Field Description	Format and Valid Values
1	<p><Payoff></p> <p>A complex element that provides a logical grouping of elements related to the payoff information of the underlying loans that are being consolidated.</p>	NA
2	<p><PayoffType></p> <p>Type of payoff that is represented by the transaction.</p>	Solicited Unsolicited
3	<p><PayoffAmount></p> <p>Amount that is required to fulfill the obligation of the loan that is being consolidated. It is the sum of the Principle Balance Amount, Interest Balance Amount, Fees Balance Amount, and Charges Balance Amount.</p>	0 – 999999999.99
4	<p><ConsolidationAwardID></p> <p>Consolidation Loan refers to the loan which was created as a result of the consolidation process.</p> <p>The logical code, which uniquely identifies a student loan/award. Once assigned, this ID does not change.</p>	<p>The Loan/Award ID is composed of the following data for consolidated loans:</p> <p>Positions 1-9: Student SSN Position 10: 'S' for subsidized; 'U' for unsubsidized Positions 11-12: Award Year (numeric) Positions 13-18: G77778 Positions 19-21: Sequence Number.</p>
5	<p><ConsolidationApplicationNoteID></p> <p>Consolidation Application refers to the application which originated this loan. One application results in one Prom Note and one or more consolidation loans.</p> <p>The Consolidation Application Note ID (MPN for Consolidated Loans) is a unique identifier of the Application Note for this loan/award. In the case of a loan, more than one loan can have the same Application note. This identifier applies to new originations and consolidation loans</p>	<p>Borrower's Social Security Number: 001010001-999999998</p> <p>MPN Type: 'C' or 'P'</p> <p>Program Year: 10, for 2009-2010 (example)</p> <p>Loan Consolidation Code G77778</p> <p>MPN Sequence Number: 001-999</p>
6	<p><UnearnedRebateAmount></p> <p>The Unearned Rebate Amount is the rebate amount of the loan being paid off by consolidation that needs to be transferred to the new consolidation loan because the borrower has not yet met the on-time payment requirements for earning the rebate.</p>	0 – 999999999.99
7	<p><IncentiveStatus></p>	No Incentive Earned

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Field #	Field Description	Format and Valid Values
	The Incentive Status is the status of a borrower's on-time payment record as it applies to earning an on-time payment incentive.	Unearned Payments Current Unearned Payments Not Current Lost Unearned Transferred To Consolidation
8	<EffectiveDate> The effective date of the payoff transaction.	Valid Date and it must be less than or equal to the Current Processing Date

4.8 Response Block

The response block contains information related to the response to the servicer consolidation file. COD will send the Response after processing the document and the response blocks will indicate the status of the file, including any rejected elements and the reasons for rejection with the relevant edit codes. A Response block will be generated for each Document, Borrower and Award block (associated with the relevant Transaction ID) sent in the loan consolidation file. Each response block will be nested under the relevant Document, Borrower or Award block.

Field #	Field Description	Format and Valid Values
1	<Response> A complex element containing a logical grouping of elements related to the response information	NA
2	<ResponseCode> The appropriate response code that indicates if the transaction ID was Accepted or Rejected.	Accepted Rejected
3	<EditProcessResult> A complex element that contains a logical grouping of elements pertaining to the edit processing if there is a reject response code.	NA
4	<ResponseErrorCode> The error code indicating the type of error. Required if <ResponseCode>='Rejected'	000-999
5	<ResponseMessage>	Please see the Additional Servicer Support Guide

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	A message indicating why the error occurred	
6	<p><ResponseErrorField></p> <p>The field where the error occurred.</p> <p>Required if <ResponseCode>='Rejected'</p>	Please see the Common Servicing Schema for valid range of values
7	<p><ReportedValue></p> <p>The value reported by the Servicer.</p>	Please see the Common Servicing Schema for valid range of values

5 DLCS Reject Consolidation Activity

The DLCS Reject Consolidation Activity request file contains information related to Borrower Inquiry Responses and Payoff transactions that have been rejected from DLCS. The rejected transactions will be passed to the TIVAS in the DLCS Reject Consolidation Activity request file and become TIVAS work in process.

5.1 Document Information

The Document block is a required block that contains information related to the source of the document/batch, the document destination, and the date and time the document was created. The document transaction ID for the DLCS Reject Consolidation file will be a unique transaction ID.

Field #	Field Description	Format and Valid Values
1	<p><TransmissionData></p> <p>This complex element provides a logical grouping of elements related to the document.</p>	NA
2	<p><DocumentID></p> <p>The Date and Time stamp with the Source Entity ID.</p>	<p>DCCYYMMDDHHmmssSSS00000001</p> <p>D-Indicates that this ID is at the document level</p> <p>CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the document transaction ID was created.</p> <p>00000001-Indicates the Routing ID of COD (the system sending the document)</p>

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Field #	Field Description	Format and Valid Values
3	<DocumentType> Indicates what type of document is being sent.	Request – the loan activity file Receipt – receipt for the loan activity file
4	<CreateDateTime> The Date, Time stamp and Time zone when the document was created.	CCYY-MM-DDThh:mm:ss.sss±hh:mm Example: 2010-07-08T20:12:52.000-04:00
5	<Source> This element provides a logical grouping of elements related to the Source of the document	NA
6	<Destination> This element provides a logical grouping of elements related to the Destination of the document.	NA
7	<RoutingID> Element containing the Routing ID for COD	COD is 00000001
8	<ServicerID> Element containing the Servicer ID	0-999999
9	<EntityName> Optional entity name	Name of COD or the Servicer

5.2 Borrower Inquiry Information

The Borrower Inquiry block contains basic information related to a borrower who is consolidating their loans. In the DLCS Reject Consolidation Activity file, this block will contain all the original Borrower Inquiry information that was originally sent in the LCAF Response from the servicer. The transaction ID will also be the original transaction ID that was submitted by the servicer.

Field #	Field Description	Format and Valid Values
1	<BorrowerInquiry> A complex element that provides a logical grouping of elements related to the Borrower Inquiry block.	NA
2	<TransactionID> A unique transaction ID that will be assigned to the Borrower Inquiry block by COD in order to track what information has been sent and acknowledged with a response.	ICCYYMMDDHHmmssSSS00000001 I-Indicates that this ID is at the borrower inquiry level

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Field #	Field Description	Format and Valid Values
		CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created.
		00000001-Indicates the Routing ID of COD (the system sending the document)
3	<SSN>	001010001 to 999999998

5.3 Inquiry Response Information

The Inquiry Response block will only be sent by the Additional Servicers in the Loan Consolidation Activity Response file and the DLCS Reject Consolidation Activity files. It contains information regarding the underlying awards that the servicer holds, or does not hold, for that borrower. In the DLCS Reject Consolidation Activity file, this block will contain all the original Inquiry Response information that was originally sent in the LCAF Response from the servicer.

Field #	Field Description	Format and Valid Values
1	<InquiryResponse> A complex element that provides a logical grouping of elements related to the inquiry response.	NA
2	<AwardCount> The number of underlying awards sent by the Additional Servicers in the Loan Consolidation Response file. If the Servicer does not hold any underlying awards for the borrower, an Award Count of zero will be returned	Must be a valid integer 0 or greater

5.4 Underlying Award Response Information

The Underlying Award block that is contained within the Borrower Inquiry Response block will be sent by the Additional Servicers if the servicer holds an underlying award for the borrower. If the Servicer does not have an underlying award for that borrower, the Underlying Award block will not be sent and the <AwardCount> in the <InquiryResponse> block will be populated with '0'. In the DLCS Reject Consolidation Activity file, this block will contain all the original Underlying Award information that was originally sent in the LCAF Response from the servicer.

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Field #	Field Description	Format and Valid Values
1	<p><UnderlyingAwardID></p> <p>The logical code, which uniquely identifies a student loan/award. Once assigned, this ID does not change.</p> <p>The Loan/Award ID is for an underlying loan held by a servicer in response to a borrower inquiry. Each Loan/Award ID is associated with a borrower SSN sent in the borrower inquiry block.</p>	<p>The Loan/Award ID is composed of the following data: Positions 1-9: Student SSN Position 10: Loan/Award Type Positions 11-12: Award Year Positions 13-18: School Code Positions 19-21: Sequence Number.</p>
2	<p><LoanTypeCode></p> <p>The Loan Type code indicates the type of loan.</p>	<p><u>Subsidized Loans:</u></p> <p>DL Subsidized (Direct Subsidized Loans) Consolidation Subsidized (Direct Subsidized Consolidation Loans) Federal Subsidized Consolidation (Subsidized Federal Consolidated Loans) Federal Stafford Subsidized (Subsidized Federal Stafford Loans) Federal Insured Student (Federal Insured Student Loans – FISL) Guaranteed Student (Guaranteed Student Loans – GSL) Direct Subsidized SULA (Direct Subsidized Loans- SULA) Direct Subsidized Consolidation SULA (Direct Subsidized Consolidation Loans- SULA)</p> <p><u>Unsubsidized Loans:</u></p> <p>DL Unsubsidized (Direct Unsubsidized Loans, including converted TEACH grants) DL PLUS (Direct PLUS Loans – for parents or for graduate and professional students) Consolidation Unsubsidized (Direct Unsubsidized Consolidation Loans) Consolidation PLUS (Direct PLUS Consolidation Loans) Federal Unsubsidized Consolidation (Unsubsidized Federal Consolidation Loans) Federal Stafford Unsubsidized (Unsubsidized Federal Stafford Loans) Federal PLUS (Federal PLUS Loans – for parents or for graduate and professional students) PLUS (Parent Loans for Undergraduate Students – PLUS) Federal Supplemental Student (Federal Supplemental Loans for Students – SLS) Auxiliary Assist (Auxiliary Loans to Assist Students – ALAS) Health Professions (Health Professions Student Loans – HPSL)</p>

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Field #	Field Description	Format and Valid Values
		Health Education Assistance (Health Education Assistance Loans – HEAL) Nursing Student (Nursing Student Loans – NSL) Disadvantaged Students (Loans for Disadvantaged Students – LDS) Federal Perkins (Federal Perkins Loans) National Direct Student (National Direct Student Loans – NDSL) National Defense Student (National Defense Student Loans – NDSL) GradPLUS (Direct Parent Loan for Undergrad - GPLUS)
3	<InterestRateCategory> The interest rate category field qualifies the value in the interest rate field.	Add on (Add on component of the total interest rate for the loan) Total (Total interest rate for the loan)
4	<InterestRate> The interest rate field contains the percentage interest rate or interest rate component defined in the interest rate category field for a specific loan.	Percent
5	<InterestRateIncentiveIndicator> The Interest Rate Incentive Indicator identifies if the borrower has already earned an interest rate incentive on the loan being consolidated at the time of certification.	True – Interest Rate Incentive Earned False – No Interest Rate Incentive Earned
6	<IncentiveStatus> The Incentive Status is the status of a borrower’s on-time payment record as it applies to earning an on-time payment incentive.	No Incentive Earned Unearned Payments Current Unearned Payments Not Current Lost Unearned Transferred To Consolidation
7	<BalancesEffectiveDate> The effective date of the Loan Balance (Principal Balance Amount, Interest Balance Amount, Fees Balance Amount and Charges Balance Amount)	CCYY-MM-DD Must be less than or equal to the current processing date
8	<DailyAccrualAmount> The amount of interest that accrues on a loan for each day based on the current outstanding loan balance. The amount is used by the Consolidator for calculating the	0 to 999999999.99

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Field #	Field Description	Format and Valid Values
	payoff amount for a loan being consolidated. The Servicer provides this amount to the Consolidator for the purposes of calculating an accurate payoff amount.	
9	<PayoffAmount> Amount that is required to fulfill the obligation of the loan that is being consolidated. It is the sum of the Principle Balance Amount, Interest Balance Amount, Fees Balance Amount, and Charges Balance Amount.	0 to 999999999.99
10	<PrincipleBalanceAmount> The principal amount outstanding for the loan at specific point in time.	0 to 999999999.99
11	<InterestBalanceAmount> The current interest amount outstanding for the loan at specific point in time.	0 to 999999999.99
12	<ChargesBalanceAmount> The charges amount outstanding for the loan at specific point in time.	0 to 999999999.99
13	<FeesBalanceAmount> The fees amount outstanding for the loan at specific point in time.	0 to 999999999.99
14	<EnrollmentStatus> The enrollment status of a student in an academic post secondary education institution as it pertains to the eligibility of a grace period or an in-school deferment. NSLDS is the data source for the most current information.	Leave of absence Deceased Full Time Graduated Half Time Less Than Half Time Withdrawn Never Attended No Record Found
15	<EnrollmentDate> Date on which the information pertaining to the event or the element described by the element qualifier is or will become valid.	CCYY-MM-DD
16	<LoanStatus>	Bankruptcy Discharged Bankruptcy Active Canceled

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	The status of a Direct Loan as reported to and recorded by the National Student Loan Data System (NSLDS) and CDS.	False Certification Closed Schools Deferred Death Disability Defaulted Forbearance Fraud Investigation Fraud Litigation School Grace Paid In Full Consolidation Paid In Full Repayment Delinquent Transit
17	<AcademicCompletionDate> Date of anticipated or actual completion by the student of an academic degree or program requirements.	CCYY-MM-DD Calculated field depends on main location's program length, student's grade level and award year.
18	<LoanStatusChangeDate> Date on which the element or elements referenced in the qualifier were corrected or changed.	CCYY-MM-DD
19	<AttendedSchoolOPEID> Attending refers to the Institution that the student is currently attending or has most recently attended. The number assigned to an institution by the Department of Education Office of Post Secondary Education which uniquely identifies an Institution.	8 Characters Must be a valid OPEID
20	<ApplicationReceiptDate> Application Receipt Date is the date the loan application was received by the organization processing the application. *If the additional servicer does not have this information, then this date must be populated with '9999-12-31')	CCYY-MM-DD

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
21	<p><RepaymentOption></p> <p>Repayment plan selected by the borrower to repay the loan.</p>	<p>Pre HERA Standard Repayment Fixed Payment Extended Term Graduated Repayment Income Contingent Income Contingent A (for future use) Not In Repayment Special Plan Consolidation Graduated Repayment Consolidation Standard Repayment Extended Fixed Repayment Extended Graduated Repayment Standard Repayment Graduated 10 Year Repayment Income Based Repayment Income Sensitive PayAsYouEarn RevisedPayAsYouEarn No Repayment Plan Selected</p>
22	<p><UnearnedRebateAmount></p> <p>The Unearned Rebate Amount is the rebate amount of the loan being paid off by consolidation that needs to be transferred to the new consolidation loan because the borrower has not yet met the on-time payment requirements for earning the rebate.</p>	<p>0 to 999999999.99</p> <p>If the payoff amount is equal to zero, the unearned rebate amount must also be equal to zero.</p>
23	<p><IBRMonths></p> <p>Number of months Economic Hardship Deferment has been used since the Borrower started repaying via the Income Based Repayment plan.</p>	<p>Integer, valid value range 0 to 36</p>
24	<p><IBREligibilityIndicator></p> <p>Indicator that specifies whether the loan is eligible for the IBR repayment plan</p>	<p>True – Loan is eligible for IBR</p> <p>False – Loan is ineligible for IBR</p>
25	<p><IBRBeginDate></p> <p>The date that the Borrower began repayment on the IBR plan. If the date differs for loans, report the earliest date of all underlying loans.</p> <p>*If the award is not part of an IBR repayment plan, then this date must be populated with '9999-12-31'</p>	<p>CCYY-MM-DD</p> <p>Must be a valid date if IBR Months is greater than zero. If the IBR months is equal to zero, populate with '9999-12-31'</p>

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
26	<p><FirstDisbursementDate></p> <p>Date on which funds for a specific loan were or will be disbursed to the borrower (or to a third party on borrower's behalf as instructed by the borrower).</p>	CCYY-MM-DD

5.5 Borrower Information

The Borrower block contains identifying and demographic information related to the borrower and will be sent in the DLCS Reject consolidation response with rejected Payoffs. In the DLCS Reject Consolidation Activity file, this block will contain all the original Borrower information that was originally sent in the LCAF Response from the servicer, including the original borrower transaction ID.

Field #	Field Description	Format and Valid Values
1	<p><Borrower></p> <p>A complex element that provides a logical grouping of elements related to the borrower.</p>	NA
2	<p><TransactionID></p> <p>A unique transaction ID that will be assigned to the borrower by COD in order to track what information has been sent and acknowledged with a response.</p>	<p>BCCYMMDDHHmmssSSS00000001</p> <p>B-Indicates that this ID is at the person (borrower) level</p> <p>CCYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created.</p> <p>00000001-Indicates the Routing ID of COD (the system sending the document)</p>
3	<p><SSN></p> <p>The borrower's current Social Security Number (The number assigned by the Social Security Administration which identifies a participant)</p>	001010001 to 999999998

5.6 Underlying Award Information

The Underlying Award block contains information related to a borrower’s underlying award. In the DLCS Reject Consolidation Activity file, this block will contain all the original Underlying Award information that was originally sent in the SCAF file from the servicer, including the original award transaction ID.

Field #	Field Description	Format and Valid Values
1	<UnderlyingAward> A complex element that provides a logical grouping of elements related underlying award transactions	NA
2	<TransactionID>	ACCYYMMDDHHmmssSSSxxxxxx A-Indicates that this ID is at the award level CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created. xxxxx-Indicates the Routing ID of the Servicer (the system sending the document)
3	<AwardID> The logical code, which uniquely identifies a student loan/award. Once assigned, this ID does not change. This Loan/Award ID is associated with the underlying loan when sending payoff information	The Loan/Award ID is composed of the following data: Positions 1-9: Student SSN Position 10: Loan/Award Type Positions 11-12: Award Year Positions 13-18: School Code Positions 19-21: Sequence Number.

5.7 Payoff Information

The Payoff block contains information related to the payoff of a borrower’s underlying award. In the DLCS Reject Consolidation Activity file, this block will contain all the original Payoff information that was originally sent in the SCAF file from the servicer.

Field #	Field Description	Format and Valid Values
1	<Payoff> A complex element that provides a logical grouping of elements related to the payoff information of the underlying loans that are being consolidated.	NA

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
2	<p><PayoffType></p> <p>Type of payoff that is represented by the transaction.</p>	<p>Solicited</p> <p>Unsolicited</p>
3	<p><PayoffAmount></p> <p>Amount that is required to fulfill the obligation of the loan that is being consolidated. It is the sum of the Principle Balance Amount, Interest Balance Amount, Fees Balance Amount, and Charges Balance Amount.</p>	<p>0 – 999999999.99</p>
4	<p><ConsolidationAwardID></p> <p>Consolidation Loan refers to the loan which was created as a result of the consolidation process.</p> <p>The logical code, which uniquely identifies a student loan/award. Once assigned, this ID does not change.</p>	<p>The Loan/Award ID is composed of the following data for consolidated loans:</p> <p>Positions 1-9: Student SSN</p> <p>Position 10: 'S' for subsidized; 'U' for unsubsidized</p> <p>Positions 11-12: Award Year (numeric)</p> <p>Positions 13-18: G77778</p> <p>Positions 19-21: Sequence Number.</p>
5	<p><ConsolidationApplicationNoteID></p> <p>Consolidation Application refers to the application which originated this loan. One application results in one Prom Note and one or more consolidation loans.</p> <p>The Consolidation Application Note ID (MPN for Consolidated Loans) is a unique identifier of the Application Note for this loan/award. In the case of a loan, more than one loan can have the same Application note. This identifier applies to new originations and consolidation loans</p>	<p>Borrower's Social Security Number: 001010001-999999998</p> <p>MPN Type:</p> <p>'C' or 'P'</p> <p>Program Year: 10, for 2009-2010 (example)</p> <p>Loan Consolidation Code</p> <p>G77778</p> <p>MPN Sequence Number: 001-999</p>
6	<p><UnearnedRebateAmount></p> <p>The Unearned Rebate Amount is the rebate amount of the loan being paid off by consolidation that needs to be transferred to the new consolidation loan because the borrower has not yet met the on-time payment requirements for earning the rebate.</p>	<p>0 – 999999999.99</p>
7	<p><IncentiveStatus></p> <p>The Incentive Status is the status of a borrower's on-time payment record as it applies to earning an on-time payment incentive.</p>	<p>No Incentive</p> <p>Earned</p> <p>Unearned Payments Current</p> <p>Unearned Payments Not Current</p> <p>Lost</p> <p>Unearned Transferred To Consolidation</p>

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
8	<EffectiveDate> The effective date of the payoff transaction.	Valid Date and it must be less than or equal to the Current Processing Date

5.8 DLCS Response Block

The response block contains information related to the response sent from DLCS regarding the rejected Borrower Inquiry Response and Payoff transactions. COD will return the DLCS response block for each rejected Borrower Inquiry Response or Payoff transaction with the information related to why DLCS rejected the transactions.

Field #	Field Description	Format and Valid Values
1	<Response> A complex element containing a logical grouping of elements related to the response information	NA
2	<ResponseCode> The appropriate response code that indicates if the transaction ID was Accepted or Rejected.	Accepted Rejected
3	<EditProcessResult> A complex element that contains a logical grouping of elements pertaining to the edit processing if there is a reject response code.	NA
4	<ResponseErrorCode> The error code indicating the type of error. Required if <ResponseCode>='Rejected'	string, maximum length 5
6	<ResponseErrorText> The error text returned from DLCS	String, maximum length 50

6 Servicer Corrected Consolidation Activity File

The Servicer Corrected Consolidation Activity file will contain the corrected Borrower Inquiry Responses and Payoffs that were sent in the DLCS Reject Consolidation file. The transactions should only be sent to COD in the Servicer Corrected file when all the issues have been resolved with the transactions and all transaction ID's in this file will be unique.

6.1 Document Information

The Document block is a required block that contains information related to the source of the document/batch, the document destination, and the date and time the document was created.

Field #	Field Description	Format and Valid Values
1	<TransmissionData> This complex element provides a logical grouping of elements related to the document.	NA
2	<DocumentID> The Date and Time stamp with the Source Entity ID.	DCCYYMMDDHHmmssSSSxxxxxx D-Indicates that this ID is at the document level CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the document transaction ID was created. xxxxxx-Indicates the Servicer ID of the Servicer sending the document
3	<DocumentType> Indicates what type of document is being sent.	Request – the servicer activity file Receipt – receipt for the servicer activity file
4	<CreateDateTime> The Date , Time stamp and Time zone when the document was created.	CCYY-MM-DDThh:mm:ss±hh:mm Example: 2010-07-08T20:12:52.000-04:00
5	<Source> This element provides a logical grouping of elements related to the Source of the document	NA
6	<Destination>	NA

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	This element provides a logical grouping of elements related to the Destination of the document.	
7	<ServicerID> Element containing the Servicer ID.	0-999999
8	<RoutingID> Element containing the Routing ID of COD	COD is 00000001
9	<EntityName> Optional entity name	Name of servicer

6.2 Borrower Inquiry Information

The Borrower Inquiry block contains basic information related to a borrower who is consolidating their loans.

Field #	Field Description	Format and Valid Values
1	<BorrowerInquiry> A complex element that provides a logical grouping of elements related to the Borrower Inquiry block.	NA
2	<TransactionID> A unique transaction ID that will be assigned to the Borrower Inquiry block by COD in order to track what information has been sent and acknowledged with a response.	ICCYYMMDDHHmmssSSS00000001 I-Indicates that this ID is at the borrower inquiry level CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created. 00000001-Indicates the Routing ID of COD (the system sending the document)
3	<SSN>	001010001 to 999999998

6.3 Inquiry Response Information

The Inquiry Response block will only be sent by the Additional Servicers in the Loan Consolidation Activity Response file and the DLCS Reject Consolidation Activity files. It contains information regarding the underlying awards that the servicer holds, or does not hold, for that borrower.

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Field #	Field Description	Format and Valid Values
1	<p><InquiryResponse> A complex element that provides a logical grouping of elements related to the inquiry response.</p>	NA
2	<p><AwardCount> The number of underlying awards sent by the Additional Servicers in the Loan Consolidation Response file. If the Servicer does not hold any underlying awards for the borrower, an Award Count of zero will be returned</p>	Must be a valid integer 0 or greater

6.4 Underlying Award Response Information

The Underlying Award block that is contained within the Borrower Inquiry Response block will be sent by the Additional Servicers if the servicer holds an underlying award for the borrower.

Field #	Field Description	Format and Valid Values
1	<p><UnderlyingAwardID> The logical code, which uniquely identifies a student loan/award. Once assigned, this ID does not change. The Loan/Award ID is for an underlying loan held by a servicer in response to a borrower inquiry. Each Loan/Award ID is associated with a borrower SSN sent in the borrower inquiry block.</p>	<p>The Loan/Award ID is composed of the following data: Positions 1-9: Student SSN Position 10: Loan/Award Type Positions 11-12: Award Year Positions 13-18: School Code Positions 19-21: Sequence Number.</p>
2	<p><LoanTypeCode> The Loan Type code indicates the type of loan.</p>	<p>Subsidized Loans: DL Subsidized (Direct Subsidized Loans) Consolidation Subsidized (Direct Subsidized Consolidation Loans) Federal Subsidized Consolidation (Subsidized Federal Consolidated Loans) Federal Stafford Subsidized (Subsidized Federal Stafford Loans) Federal Insured Student (Federal Insured Student Loans – FISL) Guaranteed Student (Guaranteed Student Loans – GSL) Direct Subsidized SULA (Direct Subsidized Loans- SULA) Direct Subsidized Consolidation SULA (Direct Subsidized Consolidation Loans- SULA)</p>

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Field #	Field Description	Format and Valid Values
		<p>Unsubsidized Loans:</p> <p>DL Unsubsidized (Direct Unsubsidized Loans, including converted TEACH grants)</p> <p>DL PLUS (Direct PLUS Loans – for parents or for graduate and professional students)</p> <p>Consolidation Unsubsidized (Direct Unsubsidized Consolidation Loans)</p> <p>Consolidation PLUS (Direct PLUS Consolidation Loans)</p> <p>Federal Unsubsidized Consolidation (Unsubsidized Federal Consolidation Loans)</p> <p>Federal Stafford Unsubsidized (Unsubsidized Federal Stafford Loans)</p> <p>Federal PLUS (Federal PLUS Loans – for parents or for graduate and professional students)</p> <p>PLUS (Parent Loans for Undergraduate Students – PLUS)</p> <p>Federal Supplemental Student (Federal Supplemental Loans for Students – SLS)</p> <p>Auxiliary Assist (Auxiliary Loans to Assist Students – ALAS)</p> <p>Health Professions (Health Professions Student Loans – HPSL)</p> <p>Health Education Assistance (Health Education Assistance Loans – HEAL)</p> <p>Nursing Student (Nursing Student Loans – NSL)</p> <p>Disadvantaged Students (Loans for Disadvantaged Students – LDS)</p> <p>Federal Perkins (Federal Perkins Loans)</p> <p>National Direct Student (National Direct Student Loans – NDSL)</p> <p>National Defense Student (National Defense Student Loans – NDSL)</p> <p>GradPLUS (Direct Parent Loan for Undergrad - GPLUS)</p>
3	<p><InterestRateCategory></p> <p>The interest rate category field qualifies the value in the interest rate field.</p>	<p>Add on (Add on component of the total interest rate for the loan)</p> <p>Total (Total interest rate for the loan)</p>
4	<p><InterestRate></p> <p>The interest rate field contains the percentage interest rate or interest rate component defined in the interest rate category field for a specific loan.</p>	<p>Percent</p>
5	<p><InterestRateIncentiveIndicator></p> <p>The Interest Rate Incentive Indicator identifies if the borrower has already earned an interest rate incentive on the loan being consolidated at the time of certification.</p>	<p>True – Interest Rate Incentive Earned</p> <p>False – No Interest Rate Incentive Earned</p>

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Field #	Field Description	Format and Valid Values
6	<p><IncentiveStatus></p> <p>The Incentive Status is the status of a borrower's on-time payment record as it applies to earning an on-time payment incentive.</p>	<p>No Incentive Earned Unearned Payments Current Unearned Payments Not Current Lost Unearned Transferred To Consolidation</p>
7	<p><BalancesEffectiveDate></p> <p>The effective date of the Loan Balance (Principal Balance Amount, Interest Balance Amount, Fees Balance Amount and Charges Balance Amount)</p>	<p>CCYY-MM-DD</p> <p>Must be less than or equal to the current processing date</p>
8	<p><DailyAccrualAmount></p> <p>The amount of interest that accrues on a loan for each day based on the current outstanding loan balance. The amount is used by the Consolidator for calculating the payoff amount for a loan being consolidated. The Servicer provides this amount to the Consolidator for the purposes of calculating an accurate payoff amount.</p>	<p>0 to 999999999.99</p>
9	<p><PayoffAmount></p> <p>Amount that is required to fulfill the obligation of the loan that is being consolidated. It is the sum of the Principle Balance Amount, Interest Balance Amount, Fees Balance Amount, and Charges Balance Amount.</p>	<p>0 to 999999999.99</p>
10	<p><PrincipleBalanceAmount></p> <p>The principal amount outstanding for the loan at specific point in time.</p>	<p>0 to 999999999.99</p>
11	<p><InterestBalanceAmount></p> <p>The current interest amount outstanding for the loan at specific point in time.</p>	<p>0 to 999999999.99</p>
12	<p><ChargesBalanceAmount></p> <p>The charges amount outstanding for the loan at specific point in time.</p>	<p>0 to 999999999.99</p>
13	<p><FeesBalanceAmount></p> <p>The fees amount outstanding for the loan at specific point in time.</p>	<p>0 to 999999999.99</p>

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
14	<p><EnrollmentStatus></p> <p>The enrollment status of a student in an academic post secondary education institution as it pertains to the eligibility of a grace period or an in-school deferment. NSLDS is the data source for the most current information.</p>	Leave of absence Deceased Full Time Graduated Half Time Less Than Half Time Withdrawn Never Attended No Record Found
15	<p><EnrollmentDate></p> <p>Date on which the information pertaining to the event or the element described by the element qualifier is or will become valid.</p>	CCYY-MM-DD
16	<p><LoanStatus></p> <p>The status of a Direct Loan as reported to and recorded by the National Student Loan Data System (NSLDS) and CDS.</p>	Bankruptcy Discharged Bankruptcy Active Canceled False Certification Closed Schools Deferred Death Disability Defaulted Forbearance Fraud Investigation Fraud Litigation School Grace Paid In Full Consolidation Paid In Full Repayment Delinquent Transit
17	<p><AcademicCompletionDate></p> <p>Date of anticipated or actual completion by the student of an academic degree or program requirements.</p>	CCYY-MM-DD Calculated field depends on main location's program length, student's grade level and award year.

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
18	<p><LoanStatusChangeDate></p> <p>Date on which the element or elements referenced in the qualifier were corrected or changed.</p>	CCYY-MM-DD
19	<p><AttendedSchoolOPEID></p> <p>Attending refers to the Institution that the student is currently attending or has most recently attended.</p> <p>The number assigned to an institution by the Department of Education Office of Post Secondary Education which uniquely identifies an Institution.</p>	<p>8 Characters</p> <p>Must be a valid OPEID</p>
20	<p><ApplicationReceiptDate></p> <p>Application Receipt Date is the date the loan application was received by the organization processing the application.</p> <p>*If the additional servicer does not have this information, then this date must be populated with '9999-12-31')</p>	CCYY-MM-DD
21	<p><RepaymentOption></p> <p>Repayment plan selected by the borrower to repay the loan.</p>	<p>Pre HERA Standard Repayment Fixed Payment Extended Term Graduated Repayment Income Contingent Income Contingent A (for future use) Not In Repayment Special Plan Consolidation Graduated Repayment Consolidation Standard Repayment Extended Fixed Repayment Extended Graduated Repayment Standard Repayment Graduated 10 Year Repayment Income Based Repayment Income Sensitive PayAsYouEarn RevisedPayAsYouEarn No Repayment Plan Selected</p>
22	<p><UnearnedRebateAmount></p>	<p>0 to 999999999.99</p> <p>If the payoff amount is equal to zero, the unearned rebate amount must also be equal to zero.</p>

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Field #	Field Description	Format and Valid Values
	The Unearned Rebate Amount is the rebate amount of the loan being paid off by consolidation that needs to be transferred to the new consolidation loan because the borrower has not yet met the on-time payment requirements for earning the rebate.	
23	<p><IBRMonths></p> <p>Number of months Economic Hardship Deferment has been used since the Borrower started repaying via the Income Based Repayment plan.</p>	Integer, valid value range 0 to 36
24	<p><IBREligibilityIndicator></p> <p>Indicator that specifies whether the loan is eligible for the IBR repayment plan</p>	<p>True – Loan is eligible for IBR</p> <p>False – Loan is ineligible for IBR</p>
25	<p><IBRBeginDate></p> <p>The date that the Borrower began repayment on the IBR plan. If the date differs for loans, report the earliest date of all underlying loans.</p> <p>*If the award is not part of an IBR repayment plan, then this date must be populated with '9999-12-31')</p>	<p>CCYY-MM-DD</p> <p>Must be a valid date if IBR Months is greater than zero. If the IBR months is equal to zero, populate with '9999-12-31'</p>
26	<p><FirstDisbursementDate></p> <p>Date on which funds for a specific loan were or will be disbursed to the borrower (or to a third party on borrower's behalf as instructed by the borrower).</p>	CCYY-MM-DD

6.5 Borrower Information

The Borrower block contains identifying and demographic information related to the borrower.

Field #	Field Description	Format and Valid Values
1	<p><Borrower></p> <p>A complex element that provides a logical grouping of elements related to the borrower.</p>	NA

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Field #	Field Description	Format and Valid Values
2	<p><TransactionID></p> <p>A unique transaction ID that will be assigned to the borrower by COD in order to track what information has been sent and acknowledged with a response.</p>	<p>BCCYYMMDDHHmmssSSS00000001</p> <p>B-Indicates that this ID is at the person (borrower) level</p> <p>CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created.</p> <p>0000001-Indicates the Routing ID of COD (the system sending the document)</p>
3	<p><SSN></p> <p>The borrower's current Social Security Number (The number assigned by the Social Security Administration which identifies a participant)</p>	<p>001010001 to 999999998</p>

6.6 Underlying Award Information

The Underlying Award block contains information related to a borrower's underlying award.

Field #	Field Description	Format and Valid Values
1	<p><UnderlyingAward></p> <p>A complex element that provides a logical grouping of elements related underlying award transactions</p>	<p>NA</p>
2	<p><TransactionID></p>	<p>ACCYYMMDDHHmmssSSSxxxxx</p> <p>A-Indicates that this ID is at the award level</p> <p>CCYYMMDDHHmmssSSS-Indicates the date and time stamp when the borrower transaction ID was created.</p> <p>xxxxxx-Indicates the Routing ID of the Servicer (the system sending the document)</p>
3	<p><AwardID></p> <p>The logical code, which uniquely identifies a student loan/award. Once assigned, this ID does not change.</p>	<p>The Loan/Award ID is composed of the following data: Positions 1-9: Student SSN Position 10: Loan/Award Type Positions 11-12: Award Year</p>

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	This Loan/Award ID is associated with the underlying loan when sending payoff information	Positions 13-18: School Code Positions 19-21: Sequence Number.

6.7 Payoff Information

The Payoff block contains information related to the payoff of a borrower's underlying award.

Field #	Field Description	Format and Valid Values
1	<Payoff> A complex element that provides a logical grouping of elements related to the payoff information of the underlying loans that are being consolidated.	NA
2	<PayoffType> Type of payoff that is represented by the transaction.	Solicited Unsolicited
3	<PayoffAmount> Amount that is required to fulfill the obligation of the loan that is being consolidated. It is the sum of the Principle Balance Amount, Interest Balance Amount, Fees Balance Amount, and Charges Balance Amount.	0 – 999999999.99
4	<ConsolidationAwardID> Consolidation Loan refers to the loan which was created as a result of the consolidation process. The logical code, which uniquely identifies a student loan/award. Once assigned, this ID does not change.	The Loan/Award ID is composed of the following data for consolidated loans: Positions 1-9: Student SSN Position 10: 'S' for subsidized; 'U' for unsubsidized Positions 11-12: Award Year (numeric) Positions 13-18: G77778 Positions 19-21: Sequence Number.
5	<ConsolidationApplicationNoteID> Consolidation Application refers to the application which originated this loan. One application results in one Prom Note and one or more consolidation loans. The Consolidation Application Note ID (MPN for Consolidated Loans) is a unique identifier of the Application Note for this loan/award. In the case of a loan, more than one loan can have the same Application note. This identifier applies to new originations and consolidation loans	Borrower's Social Security Number: 001010001-999999998 MPN Type: 'C' or 'P' Program Year: 10, for 2009-2010 (example) Loan Consolidation Code G77778 MPN Sequence Number: 001-999
6	<UnearnedRebateAmount>	0 – 999999999.99

Common Servicing Schema Layout

Field #	Field Description	Format and Valid Values
	The Unearned Rebate Amount is the rebate amount of the loan being paid off by consolidation that needs to be transferred to the new consolidation loan because the borrower has not yet met the on-time payment requirements for earning the rebate.	
7	<p><IncentiveStatus></p> <p>The Incentive Status is the status of a borrower's on-time payment record as it applies to earning an on-time payment incentive.</p>	No Incentive Earned Unearned Payments Current Unearned Payments Not Current Lost Unearned Transferred To Consolidation
8	<p><EffectiveDate></p> <p>The effective date of the payoff transaction.</p>	Valid Date and it must be less than or equal to the Current Processing Date

7 Change Log

Date	Reviewer	Version	Page/Section	Comment
Sep 23 th 2019		8	Page 31/Section 1.9 Disbursement Information	Added <ProgramCIPCodeYear> field to the Disbursement Information block under Loan Activity File section.
Sep 23 th 2019		8	Page 20/Section 1.4 Award Information	Added <InformedBorrowingComplete>, <InformedBorrowingCompletionDate>, and <InformedBorrowingID> fields to the Award Information block under Loan Activity File section.
Sep 23 th 2019		8	Page 13/Section 1.3 Borrower Information	Added <EmailContactEffectiveDate> field to the layout. This field currently does exist in the schema and in the XSD. However, it was documented in the layout.

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<u>Date</u>	<u>Reviewer</u>	<u>Version</u>	<u>Page/Section</u>	<u>Comment</u>
			Page 23/Section 1.5 Student Information	
Nov 25 th 2019		9	Page 20/Section 1.4 Award Information	Removed <InformedBorrowingComplete>, <InformedBorrowingCompletionDate>, and <InformedBorrowingID> fields to the Award Information block under Loan Activity File section.

**COD-FSA Identity Verification Results File
Interface Control Document**

Version 5.0 • 10/18/2019

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	7/29/2015	Accenture	Initial Document Creation
1.1	9/1/2015	Accenture	Document Updated: 1. File Specifications – added a header and footer, expanded detail record to include award Year, current SSN, current name code, and transaction number 2. Interface Overview – specified that the file will be received in a fixed length UTF-8 format. 3. General – updated file name to VERIFRESULT file
1.2	9/3/2015	Accenture	Document Updated: 1. File Specifications – reduced header and footer filler spaces, removed Award Year, current SSN, current name code, and transaction number from detailed record 2. Updated frequency of receiving the file to weekly at 00:05 CST
1.3	9/14/2015	Accenture	1. Updated frequency of receiving the file to weekly at 00:05 CST
1.4	05/12/2016	Accenture	1.Updated changes from 15.0 Release
2.0	05/18/2016	Accenture	1.Updated with the changes from 15.2 Release
2.1	05/26/2016	Accenture	1. Updated file name
2.2	08/17/2016	Accenture	1. Updated to reflect the change in Release number from 15.2 to 15.1.3
2.4	8/29/2016	Accenture	Changed file name scheme from VERIRESULT to CPS.IVR.DATAIN. The DPATH and other sections of this ICD were updated to reflect that.
3.0	11/29/2017	Accenture	Updated for DI to MFT conversion
4.0	9/13/2019	Accenture	Updated to reflect tranfer via SAIG
4.1	10/3/2019	Accenture	Updated based on discussions with FSA and CPS
5.0	10/18/2019	Accenture	Updating messge class name based on feedback from SAIG

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Section 1. Interface Control Specification

Interface Name *	CPS-COD Identity Verification Results
Interface Type *	Unidirectional
Interface Short Description *	<p>This document defines the processes utilized by CPS and COD/EDWA to transfer the Identity Verification Results" table and send it to the Enterprise Data Warehouse & Analytics (EDWA) system.</p> <p>The frequency of the "Identity Verification Results" data feed to EDWA shall be weekly and a new complete file will be provided every time (no delta).</p> <p>Up to two files will be provided per week, one per active award year.</p>
Requesting (Source) Application *	CPS is the source of the Identity Verification Results File
Responding (Receiving or Destination) Application *	COD/EDWA receives the Identity Verification Results File
Technical Requirement References *	<p>Source TG Mailbox (Production): TG50002 Source TG Mailbox (Test): TG50003</p> <p>2020 Message Class: IVRU20OP 2021 Message Class: IVRU21OP</p> <p>Destination TG Mailbox (Production): TGN4866 Destination TG Mailbox (Test): TGD5024</p>
Interface Usage Frequency *	This data feed interface will be used weekly to receive the CPS.IVR.DATAIN file from CPS
Interface Usage Volume *	Estimated 400,000 rows per file received.

**Required field*

Section 2. Interface Overview

2.1. Flow Diagram

The Identity Verification Results file contains verification results for records in the V4 and V5 tracking groups. The file contains a header record, followed by a detailed record containing the SSN, Student Name Id, School code, Verification Result, and timestamp. The file contains a trailer record. This file is then transferred SAIG where COD/EDWA will retrieve the file. The file is to be received in an ASCII format.

2.2. Flow Diagram Description

1. The CPS system will initiate a process to create the CPS.IVR.DATAIN file.
2. CPS will transfer the file to SAIG.
3. COD/EDWA will retrieve the file from SAIG
3. A COD/EDWA batch program will process the CPS.IVR.DATAIN file.

2.3. Usage Scenarios

CPS will send the file to SAIG once per week. COD/EDWA will retrieve the file from SAIG for processing.

Section 3. System Information

3.1. Requesting (or Source) System Information

#	Type	
1	Production System Location	FSA NGDC
2	Contracting Organization	General Dynamics (Developer)
3	Developer Location	Coralville, IA

3.2. Responding (Receiving or Destination) System Information

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

Section 4. Interfacing System Responsibilities

4.1. Requesting (or Source) System Responsibilities

CPS Functional Specifications

#	Description
1	CPS will extract the CPS.IVR.DATAIN data from the CPS data store.
2	The extracted data will be saved to an ASCII file.
3	The data extracted will be formatted as specified in FDD in the File Specification Section.
4	CPS will transfer the file to SAIG.

4.2. Responding (Receiving or Destination) System Responsibilities

COD/EDWA Functional Specifications

#	Description
1	COD/EDWA will retrieve the file from SAIG
2	The CPS.IVR.DATAIN file will arrive at COD in text format
3	COD/EDWA will process the file

Section 5. Business Rules and Logic

N/A

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 (unused by COD/EDWA)	Alphanumeric	XX	42	XX
	The minimum record length required is 70. This can be data application to institution or spaces. Note that at least one comma must be included; the comma must follow the BAT= section if there's no batch number.	Alphanumeric	70+		

Detail Record:

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	SSN (cannot be blank/null and should be left padded with zeroes)	Alphanumeric	9	1	9	
	Student Name ID	Alphanumeric	2	10	11	
	School Code	Alphanumeric	6	12	17	
	ID Verification Result	Alphanumeric	1	18	18	
	Timestamp	Alphanumeric	26	19	44	
	Filler Spaces	Alphanumeric	36	45	80	

Trailer Record:

Data Element	Description	Field Format	Length	Start Position	End Position
	Trailer Key (9999)		4	1	4
	Static Trailer Text (CPS IDENTITY VERIFICATION RESULT TRAILER)		41	5	45
	Total Record Count		12	46	57
	Filler Spaces		23	58	80

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
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 (unused by COD/EDWA)	Alphanumeric	XX	42	XX
	The minimum record length required is 70. This can be data application to institution or spaces. Note that at least one comma must be included; the comma must follow the BAT= section if there's no batch number.	Alphanumeric	70+		

Section 7 Interface Assumptions and Dependencies

7.1 Assumptions

#	Assumption
	Operational Assumptions
1	The CPS systems execute in a batch TSO (time sharing option) environment.
2	CPS and COD/EDWA will be able to integrate with SAIG
3	Existing Batch Job Scheduling mechanisms will schedule the initiation of CPS.IVR.DATAIN file processing.
4	Batch job failures including errors connecting to SAIG will be captured by existing Operations mechanisms on both the CPS and the COD/EDWA Server.
	Functional Assumptions
1	CPS Data Store contains information needed to create the CPS.IVR.DATAIN file. The business rules for extracting CPS.IVR.DATAIN data are beyond the scope of this document.
2	COD/EDWA will process the CPS.IVR.DATAIN file. The rules for processing the file are beyond the scope of this document.

7.2 Dependencies

N/A

Appendix A - Acronyms and Abbreviations

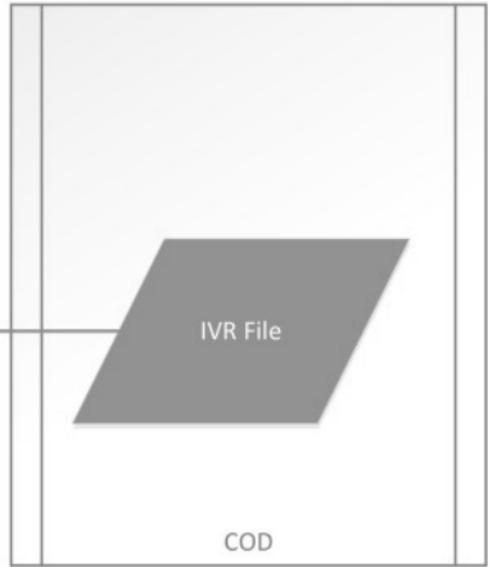
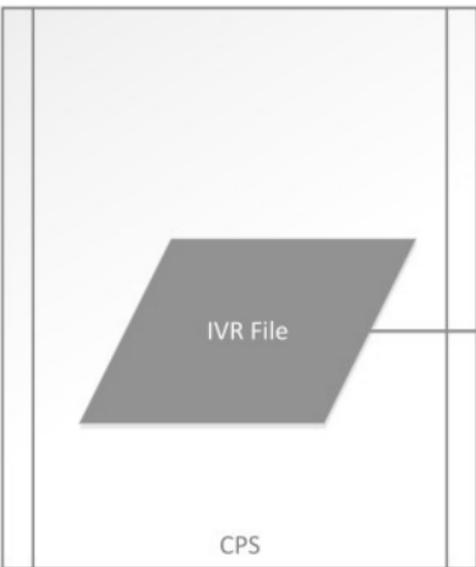
ACRONYM	DEFINITION

Table A-1: Acronyms and Abbreviations

Appendix B - Glossary

TERM	DEFINITION

Table B-1: Glossary



FSA Integration Partner
United States Department of Education
Office of Federal Student Aid

CPS – COD DCT File
File Specification Document

Document Reference:
January 18, 2018

Document Change Control

Date	Author	Version	Change Reference
12/7/2017	Dani Lager	1.0	Version 1 submitted for approval.
1/18/2018	Shannon Haskins	1.1	Version 1.1 updated with changes discovered in IST.

File Specification

Interface Name:	CPS-COD DCT Files
Interface Type:	Unidirectional

File Specification

1. CPS sends only records that have qualified for a specific email to COD
2. CPS sends only records that have an email address populated
3. COD will pass records through to the DCT on a daily basis
4. CPS will send records containing all data required for the email to be generated by the DCT. Variable text to be inserted into emails will be sent in one-time files and not transmitted on a daily basis.
5. CPS/GDOS will update *ppyy* in the file name and within the files as part of the annual New Award Year Set Up.
6. COD and DCT will coordinate template and data segment preparation for the new award year files.
7. COD will modify file watcher jobs as part of annual early-NAYS processes.

The first line of the file must be an SAIG header and the last line of the file must be an SAIG trailer. The format for the header is:

Start	End	Length	Type	Description	Valid Value
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N05"
6	12	7	A/N	Header Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned to Destination
13	19	7	A	Unused	Constant spaces
20	24	5	A/N	Header Class Label	Constant: ",CLS = "
25	32	8	A/N	Header Message Class	ECBPPLIN
33	36	4	A/N	Header XXX Label	Constant: ",XXX"
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: ",BAT = "
42	58	17	A/N	Header Batch label	Batch ID: Spaces
59	64	6	A/N	Header Batch ID	Constant: Spaces
		Xx	A	Unused	Constant Spaces
		≥ 80		Total Record Length	

The files shall contain the following header information:

File Type	Header	Description
1	merge CPS1819.PROD.F4000.T01.MSG	English Signature Hold
U	merge CPS1819.PROD.F4000.T0U.MSG	Spanish Signature Hold
BB	merge CPS1819.PROD.F4000.TBB.MSG	English Student Saved Web App 14 Day
CC	merge CPS1819.PROD.F4000.TCC.MSG	Spanish Student Saved Web App 14 Day
I	merge CPS1819.PROD.F4000.T0I.MSG	English Parent Saved Web App 7 Day
J	merge CPS1819.PROD.F4000.T0J.MSG	Spanish Parent Saved Web App 7 Day
K	merge CPS1819.PROD.F4000.T0K.MSG	English Parent Saved Web App 14 Day
L	merge CPS1819.PROD.F4000.T0L.MSG	Spanish Parent Saved Web App 14 Day
W	merge CPS1819.PROD.F4000.T0W.MSG	English Student Saved Web App 7 Day
X	merge CPS1819.PROD.F4000.T0X.MSG	Spanish Student Saved Web App 7 Day
W1	merge CPS1819.PROD.F4000.TW1.MSG	English Student Saved Web Correction
W2	merge CPS1819.PROD.F4000.TW2.MSG	Spanish Student Saved Web Correction
W3	merge CPS1819.PROD.F4000.TW3.MSG	English Parent Saved Web Correction
W4	merge CPS1819.PROD.F4000.TW4.MSG	Spanish Parent Saved Web Correction

The format for the trailer is:

SAIG Transmission Batch Trailer Record (example: O*N05TGXXXXX where XXXXX is an alphanumeric mailbox address) found in TD Client 3.2 - **Host Communications Guide**

Start	End	Length	Type	Description	Valid Value
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N95"
6	12	7	A/N	Trailer Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned to Destination
13	19	7	A	Unused	Constant spaces
20	24	5	A/N	Header Class Label	Constant: ",CLS = "
25	32	8	A/N	Trailer Message Class	ECBPPLIN
33	36	4	A/N	Trailer XXX Label	Constant: ",XXX"
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: ",BAT = "
42	58	17	A/N	Trailer Batch label	Batch ID: Spaces
59	64	6	A/N	Trailer Batch ID	Constant: Spaces
65	70	6	N	Trailer NCNT Label	"000000"
		Xx	A	Unused	Constant spaces
		≥ 80		Total Record Length	

The third line of the file is not used by COD for any business reason, but is necessary. It is formatted as follows:

{vtxt01}{emailaddr}{tracknum}{firstname}{vtxt02}

FILE LAYOUT SPECIFICATION:

The files shall adhere to the following layout specifications:

File Type 1: English Signature Hold

Position	Field Description	Max Length	Required or Optional	Data Type
1	Variable Text 1	28	Required	Varchar
2	[tab]			
3	Email Address	50	Required	Varchar
4	[tab]			
5	Tracking Number	10	Optional	Numeric
6	[tab]			
7	First Name	12	Required	Varchar
8	[tab]			
9	Variable Text 2	59	Required	Varchar

File Type U: Spanish Signature Hold

Position	Field Description	Max Length	Required or Optional	Data Type
1	Variable Text 1	54	Required	Varchar
2	[tab]			
3	Email Address	50	Required	Varchar
4	[tab]			
5	Tracking Number	10	Optional	Numeric
6	[tab]			
7	First Name	12	Required	Varchar
8	[tab]			
9	Variable Text 2	80	Required	Varchar

File Types:

- English Student Saved Web App 7 Day (Type W)
- Spanish Student Saved Web App 7 Day (Type X)
- English Student Saved Web App 14 Day (Type BB)
- Spanish Student Saved Web App 14 Day (Type CC)
- English Parent Saved Web App 7 Day (Type I)
- Spanish Parent Saved Web App 7 Day (Type J)
- English Parent Saved Web App 14 Day (Type K)
- Spanish Parent Saved Web App 14 Day (Type L)
- English Student Saved Web Correction (Type W1)
- Spanish Student Saved Web Correction (Type W2)
- English Parent Saved Web Correction (Type W3)
- Spanish Parent Saved Web Correction (Type W4)

Position	Field Description	Max Length	Required or Optional	Data Type
1	Email Address	50	Required	Varchar
2	[tab]			

3	Tracking Number	10	Optional	Numeric
4	[tab]			
5	First Name	12	Optional (not required for Parent emails)	Varchar
6	[tab]			
7	Proc Date	10	Optional	Numeric

FSA Integration Partner

United States Department of Education

Office of Federal Student Aid

COD – Credit Bureaus
File Layout
Version 1.0

Document Reference: COD - Credit Bureau File Layout

October 21, 2011

Document Change Control

Date	Author	Version	Change Reference
10/21/2011	Jessie Ambrose, Vandana Joshi, Utpal Dasgupta, Laura Amster	1.0	Initial Draft as part of Performance Improvement 70753 Credit Check Redesign. Implemented with Release 10.2.

Interface Overview

The COD System will use a credit check service to process credit checks for borrowers and endorsers. The credit check service will request credit checks directly from the credit bureaus and evaluate the results based on the current FSA Credit Check Evaluation Criteria. A web service to process credit checks provides more flexibility with credit bureaus, improving operability and simplifying maintenance.

Flow Diagram

Credit Bureau Requests

All credit check requests passed to the new Credit Check Web Service from COD to the Credit Bureaus will contain the following values:

Field	Min Length	Max Length	Alpha	Numeric	Symbols	TransUnion Edits	Equifax Edits
SSN	9	9	No	Yes	No	N/A	N/A
First Name	1	20	Yes	No	No	N/A	N/A
Middle Initial	0	1	Yes	No	No	N/A	N/A
Last Name	2	32	Yes	No	No	N/A	N/A
DOB	10	10	No	Yes	/, -	MM-DD-YYYY	MM/DD/YYYY
Address Line 1	3	36	Yes	Yes	-, /, &, #	N/A	Will need to parse into street number & street name
Address Line 2	0	10	Yes	Yes	-, /, &, #	N/A	N/A
City	3	20	Yes	No	No	N/A	N/A
State Code	2	2	Yes	No	No	See Trans Union documentation for list of geographic codes	See Equifax documentation for list of state codes
Postal	5	5	No	Yes	No	N/A	N/A
Phone	10	10	No	Yes	No	N/A	N/A

These values will then be organized and transformed to set up the XML request message according to the bureau schema. All alpha and alpha numeric values will be translated to uppercase.

Equifax Request Elements

Element	Req(?)	Location	Description	Static
User ID	Y	HTTPS header	Equifax user ID	Y
Password	Y	HTTPS header		Y
Path	Y	HTTPS header		Y
Host	Y	HTTPS header	Equifax may give us multiple IP addresses	Y/N
Content-Type	Y	HTTPS header		Y
Content-Length	Y	HTTPS header		N
Version	Y	EfxReceive XML Element	Version of Equifax format	Y
Transaction ID	Y	EfxReceive XML Element	Assigned by Equifax	Y
Customer Number	Y	EfxReceive XML Element	Equifax customer number	Y
Security Code	Y	EfxReceive XML Element	Equifax security code	Y
Customer Code	Y	EfxReceive XML Element	Assigned by Equifax	Y
Output format	Y	EfxReceive XML Element	“02”	Y

Multiple File Indicator	Y	EfxReceive XML Element	“1”	Y
Request Number	Y	EfxRequest XML Element	“1”	Y
Customer Reference Number	Y	EfxRequest XML Element		N
ECOA Inquiry Type	Y	EfxRequest XML Element	“I” (individual)	Y
Relationship identifier	Y	EfxRequest XML Element	“Primary”	Y
Last name	Y	EfxRequest XML Element		N
First name	Y	EfxRequest XML Element		N
Middle name	N	EfxRequest XML Element		N
Date of birth	N	EfxRequest XML Element		N
SSN	N	EfxRequest XML Element		N
Street number	N	EfxRequest XML Element		N
Street name	N	EfxRequest XML Element		N
Unit number	N	EfxRequest XML Element		N
City	Y	EfxRequest XML Element		N
State code	Y	EfxRequest XML Element		N
Postal code	N	EfxRequest XML Element		N
Country code	N	EfxRequest XML Element		N
Telephone	N	EfxRequest XML Element		N
End user name	Y	EfxRequest XML Element	“US Dept of Ed”	Y
Permissible purpose code	Y	EfxRequest XML Element	Required for certain accounts – will determine when contract with Equifax is finalized	Y

TransUnion Request Elements

Element	Req(?)	Location	Description	Static
Path	Y	HTTPS header		Y
Host	Y	HTTPS header	Test: https://test.TransUnionNetAccess.com:3018 Prod: https://www.TransUnionNetAccess.com:3019	Y
Content-Type	Y	HTTPS header		Y
Content-Length	Y	HTTPS header		N
Document	Y	Document XML Element	“Request”	Y
Version	Y	Version XML Element	“2.0”	Y

Industry Code	Y	Transaction Control XML element	Based on contract with Trans Union	Y
Member code	Y	Transaction Control XML element	Based on contract with TransUnion	Y
Inquiry subscriber prefix code	Y	Transaction Control XML element	Based on contract with TransUnion	Y
Password	Y	Transaction Control XML element		Y
Country	Y	Options XML Element	“us”	Y
Language	Y	Options XML element	“en”	Y
Product Code	Y	Product XML element	Product code for basic credit check request	Y
Subject number	Y	Product XML element	“1”	Y
First name	Y	Product XML element	All upper case	N
Middle name	N	Product XML element	All upper case	N
Last name	Y	Product XML element	All upper case	N
Unparsed address	N	Product XML element	All upper case	N
City	Y	Product XML element	All upper case	N
State code	Y	Product XML element	All upper case	N
Zip code	N	Product XML element		N
SSN	N	Product XML element		N
DOB	N	Product XML element		N
Phone number	N	Product XML element		N
End User	Y	Product XML element	“US Dept of Ed”	Y
Use type code	Y	Product XML element	Determined by contract with TransUnion	Y
Return error text	N	Product XML element	Indicated if error code should be returned with or without error text	Y

Credit Bureau Responses

Both TransUnion and Equifax responses will be translated into the same generic Java object. Tables detailing the corresponding XML element for each attribute in the Bureau Credit Report Java object can be found in the appendix of this document. Only the XML fields that will be stored or used for evaluation will be listed in the tables. The entire XML format can be found in the Equifax and TransUnion Technical Specifications documents stored on the LAN at the same level as this document.

Equifax

Equifax Response

Java Object Field	XML Element	Req(?)	Description
Credit Bureau	N/A	Y	Equifax
Error	USErrorMessage/ Error /Code	N	
Date of Request	CreditFile/ DateOfRequest	N	
Last Name	Subject/ SubjectName/ LastName	N	
First Name	Subject/ SubjectName/ FirstName	N	
Middle Initial	Subject/ SubjectName/ MiddleName	N	
SSN	Subject/ SocialSecurityNumber	N	
DOB	Subject/ DateOfBirth	N	
Address	USAddress/ StreetNumber USAddress/ StreetName USAddress/ StreetType	N	
City	USAddress/ City	Y	
State	USAddress/ State	N	
Postal Code	USAddress/ PostalCode	N	
Telephone	USAddress/ UnparsedTelephoneNumber	N	
Bankruptcy List	See below	N	
Collection List	See below	N	
Public Record List	See below	N	
Tax Lien List	See below	N	
Trade Element List	See below	N	
Subject Found flag	Subject/	N	True if Subject element exists
Report Found flag	CreditFile/hitCode	N	True if equals 1, 6, or if CreditFile element contains history

Equifax Bankruptcy

Java Object Field	XML Element	Req(?)	Description
Date Filed	USBankruptcy/ DateFiled	N	MM/DD/CCYY
Court Number	USBankruptcy/ CourtId/ CourtCusomterNumber	N	
Court Name	USBankruptcy/ CourtId/ Name	N	
Case Number	USBankruptcy/ CourtId/ CaseNumber	N	

Bankruptcy Type	USBankruptcy/ Disposition/ Code	N	
Disposition	USBankruptcy/ Disposition/ Description	N	
Liability Amount	USBankruptcy / LiabilityAmount	N	
Date Reported	USBankruptcy/ DateReported	N	MM/DD/CCYY
Comment List	USBankruptcy /Narratives / Narrative / Code	N	Each narrative code will be added to the comment list
Date Verified	USBankruptcy / VerificationDate	N	MM/DD/CCYY

Equifax Collection

Java Object Field	XML Element	Req(?)	Description
Date Reported	USCollection/ DateReported	N	MM/DD/CCYY
Date Assigned	USCollection/ AssignedDate	N	MM/DD/CCYY
Account Number	USCollection / AccountNumber	N	
Collection Agency Number	USCollection / CustomerId/ CustomerNumber	N	
Collection Agency Name	USCollection/ CustomerId / Name	N	
Balance Amount	USCollection / BalanceAmount	N	
Balance Date	USCollection/ BalanceDate	N	MM/DD/CCYY
Status	USCollection/ Status/ Code	N	
Status Date	USCollection/ StatusDate	N	MM/DD/CCYY
Date of First Delinquency	USCollection/ DateOfFirstDelinquency	N	MM/DD/CCYY
ECOA Code	USCollection/AccountDesignator/ Code	N	
Classification	USCollection/ CreditorClassification/ Code	N	
Date of Last Payment	USCollection/ DateOfLastPayment	N	MM/DD/CCYY
Comment List	USCollection /Narratives / Narrative / Code	N	Each narrative code will be added to the comment list

Equifax Public Record

Java Object Field	XML Element	Req(?)	Description
Type	USLegalItem/ Code	N	
Date Filed	USLegalItem/ DateFiled	N	MM/DD/CCYY
Court Number	USLegalItem/ CourtId/ CustomerNumber	N	
Court Name	USLegalItem/ CourtId/ Name	N	
Case Number	USLegalItem/ CaseNumber	N	
Amount	USLegalItem/ Amount	N	
Date Satisfied	USLegalItem/ DateSatisfied	N	MM/DD/CCYY
Status	USLegalItem/ Status/ Code	N	
Date Verified	USLegalItem/ VerificationDate	N	MM/DD/CCYY
Date Reported	USLegalItem/ DateReported	N	MM/DD/CCYY

Comment List	USLegalItem /Narratives / Narrative / Code	N	Each narrative code will be added to the comment list
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Equifax Tax Lien

Java Object Field	XML Element	Req(?)	Description
Date Filed	USTaxLien/DateFiled	N	MM/DD/CCYY
Court Number	USTaxLien/ CourtId/ CustomerNumber	N	
Court Name	USTaxLien/ CourtId/ Name	N	
Case Number	USTaxLien/ CaseNumber	N	
Amount	USTaxLien/ Amount	N	
Lien Type	USTaxLien/ LienClass/ Code	N	
Release Date	USTaxLien/ ReleaseDate	N	MM/DD/CCYY
Date Verified	USTaxLien/ VerificationDate	N	MM/DD/CCYY
Date Reported	USTaxLien/ DateReported	N	MM/DD/CCYY
Comment List	USTaxLien /Narratives / Narrative / Code	N	Each narrative code will be added to the comment list

Equifax Trade Element

Java Object Field	XML Element	Req(?)	Description
Creditor Number	UTrade/ CreditorId/ CustomerNumber	N	
Creditor Name	UTrade/ CreditorId/ Name	N	
Date Reported	UTrade/ DateReported	N	MM/DD/CCYY
Account Number	UTrade/ AccountNumber	N	
Balance Amount	UTrade/ BalanceAmount	N	MM/DD/CCYY
Status	UTrade/ Status/ Code	N	MM/DD/CCYY
Status Description	UTrade/ Status/ Description	N	
EOCA Code	UTrade/ AccountDesignator/ Code	N	
Date of First Delinquency	UTrade/ DateOfFirstDelinquency	N	MM/DD/CCYY
Max Delinquency Status	N/A	N	
Max Delinquency Status Date	N/A	N	
Number 90 days late	UTrade/ Count90DaysPastDue	N	
Account Type	UTrade/ AccountType/ Code	N	
Terms Frequency	UTrade/ TermsFrequency/ Code	N	
Terms Duration	UTrade/ TermsDuration	N	
Past Due Balance	UTrade/ PastDueAmount	N	
Account Open Date	UTrade/ DateOpened	N	
Date of Last Payment	UTrade/ DateOfLastPayment	N	
Comment List	UTrade /Narratives / Narrative / Code	N	Each narrative code will be added to the comment list

TransUnion

TransUnion Response

Java Object Field	XML Element	Req(?)	Description
Credit Bureau	N/A	Y	TransUnion
Error	Error/ Code	N	
Date of Request	TransactionControl/ tracking/ transactionTimeStamp	N	
Last Name	Product/ Subject/ subjectRecord/ indicative/ name/ person/ last	N	
First Name	Product/ Subject/ subjectRecord/ indicative/ name/ person/ first	N	
Middle Initial	Product/ Subject/ subjectRecord/ indicative/ name/ person/ middle	N	
SSN	Product/ Subject/ subjectRecord/ indicative/ socialSecurity	N	
DOB	Product/ Subject/ subjectRecord/ indicative/ dateOfBirth	N	YYYY-MM-DD
Address	Product/ Subject/ subjectRecord/ indicative/ address/ street/ unparsed Product/ Subject/ subjectRecord/ indicative/ address/ street/ unit/ number	N	
City	Product/ Subject/ subjectRecord/ indicative/ address/ location/ city	Y	
State	Product/ Subject/ subjectRecord/ indicative/ address/ location/ state	N	
Postal Code	Product/ Subject/ subjectRecord/ indicative/ address/ location/ zipCode	N	
Telephone	Product/ Subject/ subjectRecord/ indicative/ phone/ number/ unparsed	N	
Bankruptcy List	See below	N	See below
Collection List	See below	N	See below
Public Record List	See below	N	See below
Tax Lien List	See below	N	See below
Trade Element List	See below	N	See below
Report Found flag	Product/Subject/subjectRecord/fileSummary/fileHit Indicator	N	True if “regular hit”, “regularNoHit”, “subjectHit”, “hit”, or if the custom/Credit element exists
Subject Found flag	Product/Subject/subjectRecord/inidicative/name/per son	N	True if this element exists

TransUnion Bankruptcy

Java Object Field	XML Element	Req(?)	Description
-------------------	-------------	--------	-------------

Date Filed	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / dateFiled	N	
Court Number	N/A	N	
Court Name	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / source/ type Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / source/ address	N	
Case Number	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / docketNumber	N	
Bankruptcy Type	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / type	N	
Disposition Description	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / type	N	Full description of above type
Liability Amount	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / liabilities	N	
Date Reported	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / dateReported	N	
Comment List	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / remark/ code	N	Each remark code will be added to the comment list
Date Verified	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / dateReported	N	

TransUnion Collection

Java Object Field	XML Element	Req(?)	Description
Date Reported	Product/ Subject/ subjectRecord/ custom/ credit/ collection/ dateEffective	N	YYYY-MM-DD
Date Assigned	N/A	N	
Account Number	Product/ Subject/ subjectRecord/ custom/ credit/ collection/ accountNumber	N	
Collection Agency Number	Product/ Subject/ subjectRecord/ custom/ credit/ collection/ subscriber/ memberCode	N	
Collection Agency Name	Product/ Subject/ subjectRecord/ custom/ credit/ collection/ subscriber/ name	N	
Balance Amount	Product/ Subject/ subjectRecord/ custom/ credit/ collection/ currentBalance	N	
Balance Date	Product/ Subject/ subjectRecord/ custom/ credit/ collection/ dateEffective	N	
Status	N/A	N	
Status Date	Product/ Subject/ subjectRecord/ custom/ credit/ collection/ datePaidOut	N	YYYY-MM-DD
Date of First Delinquency	Product/ Subject/ subjectRecord/ custom/ credit/ collection/ dateFirstDelinquency	N	YYYY-MM-DD
ECOA Code	Product/ Subject/ subjectRecord/ custom/ credit/ collection/ ECOADesignator	N	YYYY-MM-DD
Classification	Product/ Subject/ subjectRecord/ custom/ credit/ collection/ account/ type	N	
Date of Last Payment	Product/ Subject/ subjectRecord/ custom/ credit/ collection/ mostRecentPayment/ date	N	YYYY-MM-DD
Comment List	N/A	N	

TransUnion Public Record

Java Object Field	XML Element	Req(?)	Description
Type	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / type	N	
Date Filed	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / dateFiled	N	YYYY-MM-DD
Court Number	N/A	N	
Court Name	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / source/ type Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / source/ address	N	
Case Number	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / docketNumber	N	
Amount	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / currentBalance	N	
Date Satisfied	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / datePaid	N	
Status	N/A	N	
Date Verified	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / dateReported	N	YYYY-MM-DD
Date Reported	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / dateReported	N	YYYY-MM-DD
Comment List	N/A	N	

TransUnion Tax Lien

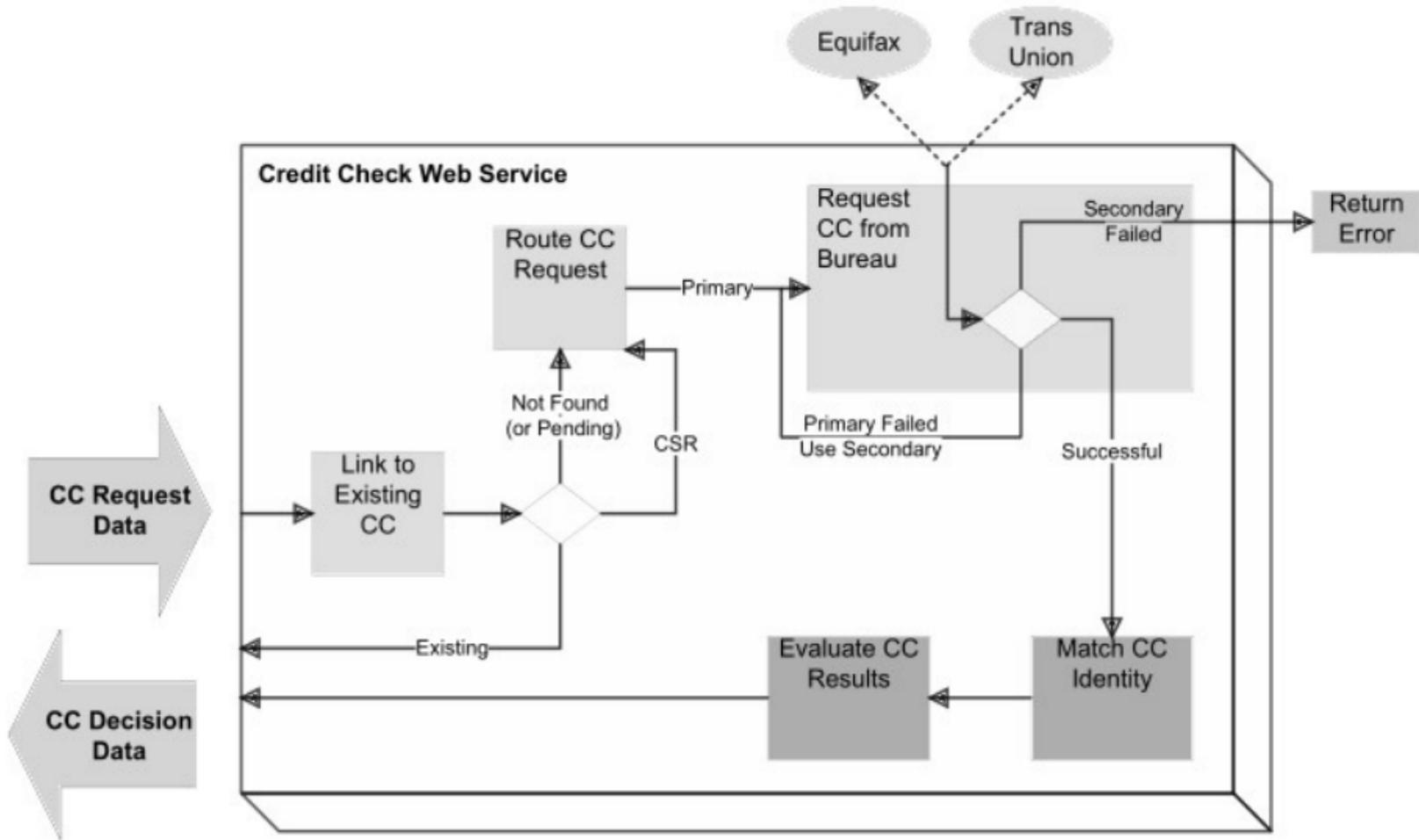
Java Object Field	XML Element	Req(?)	Description
Date Filed	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / dateFiled	N	
Court Number	N/A	N	
Court Name	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / source/ type Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / source/ address	N	
Case Number	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / docketNumber	N	
Amount	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / currentBalance	N	
Lien Type	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / type	N	
Release Date	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / datePaid	N	YYYY-MM-DD
Date Verified	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / dateReported	N	YYYY-MM-DD
Date Reported	Product/ Subject/ subjectRecord/ custom/ credit/ publicRecord / dateReported	N	YYYY-MM-DD
Comment List	N/A	N	

TransUnion Trade Element

Java Object Field	XML Element	Req(?)	Description
Creditor Number	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ subscriber/ memberCode	N	
Creditor Name	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ subscriber/ name	N	
Date Reported	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ dateEffective	N	YYYY-MM-DD
Account Number	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ accountNumber	N	
Balance Amount	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ currentBalance	N	
Status	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ accountRating	N	
Status Description	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ accountRating	N	
ECOA Code	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ ECOADesignator	N	
Date of First Delinquency	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ paymentHistory/ dateFirstDelinquent	N	YYYY-MM-DD
Max Delinquency Status	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ paymentHistory/ maxDelinquency/ accountRating	N	YYYY-MM-DD
Max Delinquency Status Date	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ paymentHistory/ maxDelinquency/ date	N	YYYY-MM-DD
Number 90 days late	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ paymentHistory/ historicalCounters/ late90DaysTotal	N	
Account Type	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ account/ type	N	
Terms Frequency	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ terms/ paymentFrequency	N	
Terms Duration	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ paymentScheduleMonthCount	N	
Past due balance	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ pastDue	N	
Account open date	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ dateOpened	N	YYYY-MM-DD
Date of last payment	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ mostRecentPayment/ date	N	YYYY-MM-DD
Comment List	Product/ Subject/ subjectRecord/ custom/ credit/ trade/ remark/ code	N	Each remark code will be added to the comment list

Interface Assumptions

#	Assumption
1	The COD System will use TransUnion and/or Equifax for the processing of all credit checks.
2	The COD System will perform credit checks for states and countries in accordance to the contracts that are in place with Equifax and TransUnion.
3	All TransUnion and Equifax specific codes referenced in this document are based off the most up to date specifications received from the credit bureau and are subject to change.
4	For the purpose of this document, a Customer refers to both Borrowers and Endorsers.
5	The credit request service functionality will be unavailable during Equifax and TransUnion’s scheduled maintenance windows.



**DCC-COD Entrance Counseling
Interface Control Document**

Version 1.0 • 9/23/2020

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	09/23/2020	Kenny Preston Evion Wong Richard Ellis Mauricio Garcia	Initial Draft

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Section 1. Interface Control Specification

Interface Name *	DCC-COD Entrance Counseling
Interface Type *	Bidirectional Restful service
Interface Short Description *	RESTful Webservice exposed by COD for submission of entrance counseling
Requesting (Source) Application *	DCC Digital Platform
Responding (Receiving or Destination) Application *	COD
Technical Requirement References *	N/A
Interface Usage Frequency *	Daily
Interface Usage Volume *	3,970,562 in 2019 Peak month: August – 824747

**Required field*

Section 2. Interface Overview

2.1. Description

- Consumer initiates a call to COD by using a JWT authentication token.
- Consumer initiates a call to COD webservice tier with a populated entrance counseling save request.
- COD replies to with a confirmation of the save if successfully or an error message if the request is invalid or there is a stem or application level error.

2.2. Usage Scenarios

The COD Entrance Counseling webservice will be called by DCC when a borrower completes entrance counseling on sa.gov.

Section 3. System Information

3.1. Requesting (or Source) System Information

DCC Digital Platform

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

3.2. Responding (Receiving or Destination) System Information

COD

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

Section 4. Interfacing System Responsibilities

4.1. Requesting (or Source) System Responsibilities

COD Functional Specifications

#	Description
1	All requests will follow the specified formats given in the Webservice Catalog schema.
2	The DCC client will provide the specified authentication credentials for the Entrance Counseling save request.
3	The DCC system will continue to handle email notifications for counseling.

4.2. Responding (Receiving or Destination) System Responsibilities

COD Functional Specifications

#	Description
1	The COD Entrance Counseling web service will authenticate the entrance counseling request from DCC. The COD Entrance Counseling web service will validate that the entrance counseling submission passed field level format/data type validation and will validate that all required fields are populated as defined by the entrance counseling schema. The COD Entrance Counseling web service will validate that the borrower exists in the COD system and that the selected school is DL eligible. The COD Entrance Counseling service will respond with the appropriate error code and message if the request is invalid.
2	After validation passes the COD Entrance Counseling web service will save the entrance counseling record in the COD system and will respond with an acknowledgement to the DCC client.
3	The COD system will continue to generate entrance counseling acknowledgments to schools after an entrance counseling submission has been received.
4	The COD system will continue to provide supporting static reference services to DCC.
5	The saved entrance counseling record will be viewable on COD Web and also available through the existing counseling search service for DCC.

Section 5. Business Rules and Logic

The borrower must exist in the cod system. The associated schools for the borrower must exist in the cod system, be unclosed and Title 4 eligible and must be direct loan eligible. See COD requirements for full list of criteria for DL eligibility.

Section 6. Webservice Specification

6.1. Save Entrance Counseling Endpoint:

Endpoint	Save Entrance Counseling
Call Type	POST
Summary	Save a borrower's entrance counseling submission
Description	Saves the entrance counseling submission from StudentAid.gov to the COD System
Body	Content Type: application/json
Request	See 7 Entrance Counseling Endpoint for Request Definitions: CounselingType
Response Header	Http 200 if save operation is successful The following http codes will be returned I the event of an error: <ul style="list-style-type: none"> • 400 <ul style="list-style-type: none"> • Invalid Request (field level validation fails, or request is malformed) • 401 <ul style="list-style-type: none"> • Unauthorized • 500 <ul style="list-style-type: none"> • Internal server error
Response Body	Response: CounselingType if save successful showing current state in the cod system. Error message otherwise

6.2. findDL CounselingByStudent Endpoint:

Endpoint	findDL CounselingByStudent
Call Type	POST
Summary	Find DL counseling by student ssn with optional filter by counseling type.
Description	Retrieves DL counseling records for a borrower.
Body	Content Type: application/json
Request	N/A

Response Header	<p>Http 200 if save operation is successful</p> <p>The following http codes will be returned I the event of an error:</p> <ul style="list-style-type: none"> • 400 <ul style="list-style-type: none"> • Invalid Request (field level validation fails, or request is malformed) • 401 <ul style="list-style-type: none"> • Unauthorized • 500 <ul style="list-style-type: none"> • Internal server error
Response Body	<p>Response: Array of CounselingType records</p>

6.3. findDL CounselingByld Endpoint:

Endpoint	findDL CounselingByld
Call Type	POST
Summary	Find DL counseling by student ssn and counseling ID.
Description	Retrieves specific counseling record for a borrower
Body	Content Type: application/json
Request	FindDL CounselingByldRequest
Response Header	<p>Http 200 if save operation is successful</p> <p>The following http codes will be returned I the event of an error:</p> <ul style="list-style-type: none"> • 400 <ul style="list-style-type: none"> • Invalid Request (field level validation fails, or request is malformed) • 401 <ul style="list-style-type: none"> • Unauthorized • 500 <ul style="list-style-type: none"> • Internal server error
Response Body	<p>Response: CounselingTypeResponse</p>

Section 7. Interface Data Specification

7.1. CounselingSummaryType

Data Element	Description	Field Type	Length	Required or Optional
CounselingId	Internal COD counseling identifier generated by COD	Long	maxVal=9,999,999,999	Populated by cod system only
StudentSSN	SSN of student/borrower	String	minLength=9 maxLength=9 [0-9]	Required
Award Year	Award Year for which the counseling is submitted	Integer	maxLength = 4	Required
CPC	Identifies type of entrance counseling: DLS: Undergrad DLP: Plus/Grad	String	minLength=3 maxLength=3	Required for entrance counseling
CounselingType	Enumeration of counseling type: DLP_ENTRANCE DLS_ENTRANCE FINANCIAL_AWARENESS	String	N/A	Required
Sequence Number	Number of counseling submissions for the borrower by counseling type	Numeric	maxVal = 999	Required
Counseling Date	EntranceCounseling submission date. Format: CCYY-MM-DD	Date	8	Required
Counseling Result	Result of counseling. Counseling Result will be 'p' to indicate 'processed'	String	maxLength = 1	Required
CounselingSchoolType	Counseling school entity	CounselingSchoolType	minOccurs = 1 maxOccurs =unbounded	Required

7.2. CounselingSchoolType

Data Element	Description	Field Format	Length	Required or Optional
School Direct Loan ID	The Direct Loan ID for the school	String	minLength=6 maxLength = 6	Required and must be DL eligible school in the COD system
SchoolName	School Name	String	maxLength = 70	Populated by cod system only
SchoolStateCode	State code of school	String	maxLength=3 minLength=2	Populated by COD system only

CounselingAcknowledgmentDateTime	Timestamp COD system sent counseling notification to school(s)	DateTime	N/A	Populated by COD system only
CreateDateTime	Timestamp counseling record created in COD system	DateTime	N/A	Populated by COD system only
SubmissionDateTime	Timestamp counseling record save request received by COD system	DateTime	N/A	Populated by COD system only
SchoolMasterId	Internal School ID in the COD system	Long	maxVal=9,999,999,999	Populated by COD system only

7.3. FindDL CounselingByStudentRequest

Data Element	Description	Field Format	Length	Required or Optional
SSN	The SSN of the borrower	String	minLength=9 maxLength = 9 Numeric	Required
CounselingType	If populated returns only that type of counseling Enumeration of counseling type: DLP_ENTRANCE DLS_ENTRANCE PLUS	String	N/A	Optional

7.4. FindDL CounselingByIDRequest

Data Element	Description	Field Format	Length	Required or Optional
SSN	The SSN of the borrower	String	minLength=9 maxLength = 9 Numeric	Required
CounselingId	Counseling id	long	N/A	Required

Section 8. Interface Assumptions and Dependencies

8.1. Assumptions

#	Assumption
	Operational Assumptions
1	PFT will be conducted on the services.
	Functional Assumptions
1	The existing Entrance Counseling webservice will remain, in addition to the updates being made with CR 5422.
2	Counseling quiz questions will no longer be stored in COD.
3	CISC – NSLDS interface will no longer used for entrance counseling flow, NSLDS-DP API will be used.

8.2. Dependencies

#	Dependencies
1	N/A

8.3. Bad Request Response Messages

This document lists the messages in the body of Bad Request Responses (HTTP Status = 400) from Entrance Counseling webservice endpoint. For the endpoint, validation errors can be returned to notify callers of all errors in request.

<p>Bad Request Response (HTTP Status = 400) Body Messages</p>	<p>Field Validation Errors:</p> <ul style="list-style-type: none"> • Award Year given has invalid characters • Award Year was not provided. Provide an Award Year • Award Year information is not 4 characters • Counseling Type given has invalid characters • Counseling Type was not provided. Provide a Counseling Type • Counseling Type information cannot exceed 4 characters • Sequence Number given has invalid characters • Sequence Number was not provided. Provide a Sequence Number • Sequence Number information cannot exceed 999 characters • Counseling Date given has invalid characters • Counseling Date was not provided. Provide a Counseling Date • Counseling Result given has invalid characters • Counseling Result was not provided. Provide a Counseling Result • Counseling Result information is not 1 character • School Direct Loan ID given has invalid characters • School Direct Loan ID was not provided. Provide a School Direct Loan ID • School Direct Loan ID information cannot be more than 6 characters • The school does not exist in the cod system or it is not direct loan eligible
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	<ul style="list-style-type: none">• The borrower does not exist in the COD syst
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Appendix A - Acronyms and Abbreviations

Acronym	Definition
COD	Common Origination and Disbursement

Table A-1: Acronyms and Abbreviations

Appendix B - Glossary

TERM	DEFINITION

Table B-1: Glossary

United States Department of Education
Federal Student Aid

DMCS to COD Interface
DMCS Grant Student Collections
Interface Control Document

Document Reference Name: DMCS-COD_ICD

July 2014

Approval Control Sheet

This Interface Control Document was reviewed and approved by the following individuals:

_____ Keith Wilson, COD & DMCS System Manager	_____ Date
_____ Dwight Vigna, DMCS Business Manager	_____ Date
_____ Chuck Mahaney, COD Business Technical Lead	_____ Date
_____ Courtland Smith, DMCS Business Technical Lead	_____ Date

Once all the approvers sign this control sheet, this document will be placed under change control and will be updated as designs and development changes are made.

Document Change Control

Date	Author	Version	Change Reference
October 1, 2012	Accenture	1.0	Updated for Release 12.0 and Award Year 2013-2014
July 24, 2014	Accenture	1.1	Updated COD hardware and software details

Interface Control Specification

Interface Name:	DMCS Grant Student Collections File
Interface Type:	Unidirectional
Interface Short Description:	<p>This document defines the processes utilized by DMCS and COD to transport the DMCS Grant Student Collections File.</p> <p>The DMCS Grant Student Collections file contains Grant student collection records (Pell, ACG, National SMART, TEACH) for students referred to the DMCS collections process by a school. Students and their referral amounts, payments and refund of overpayments are in the DMCS files. DMCS produces the DMCS Grant Student Collections File from a weekly batch extract process. The DMCS Grant Student Collections file begins with a header record, followed by student Add, Change, Delete, Satisfactory or Unsatisfactory detail records, and ends with a trailer record. Multiple Headers and Trailers are contained on the same file submission for unique award years.</p> <p>Weekly, COD will process detail DMCS Grant student transactions that match student awards on COD to establish that the student is in a collections status. As payments are made by the student, their eligibility for additional disbursements may increase if refunds are made by DMCS to a student. The COD system will use the total amount of the referral provided by DMCS to determine payment activity and that the student has repaid the Grant amount referred.</p> <p>COD and DMCS will communicate when a file transmitted from DMCS to COD is corrupt to the point of unreadable by the COD system.</p> <p>COD also communicates by sending to DMCS a weekly email that contains award year specific processing files. DMCS will review the files and have the ability to submit an OMR to COD for those transactions that have been rejected by COD.</p> <p>*DMCS transactions for ACG and National SMART Grants for Award Years 2011-2012 and forward will not be accepted by COD.</p>
Requesting Application: or Source Application:	DMCS is the source of "DMCS Grant Student Collections File" PELL.COD_UPDATE_CCYYMMDDHHMMSS.TXT
Responding Application: or Destination Application:	COD receives the "DMCS Grant Student Collections File" CPQ2396.INH.GP00.POSTING.DCS.IN.G*
Technical Requirement References:	General COD Interface, General DMCS Interface

Other Related Interfaces:	None
Interface Usage Frequency:	DMCS will transmit weekly extract file by end of business day
Interface Usage Volume:	DMCS Grant Student Collections File Average Record Length 300 Average Number of Records to COD 1500 Peak Number of Records 2500. Initial Transmission would be about 1000 to cover transactions year-to-date. Average File Size >1MB

Interface Overview – DMCS Grant Student Collections File

Flow Diagram:

Flow Diagram Description

1. The DMCS system will initiate a process to create the “DMCS Grant Student Collections File”.
2. The HPL-4 Server will send the “DMCS Grant Student Collections File” to the COD Midrange thru SFTP.
3. DMCS will send the “DMCS Grant Student Collections File” to a folder on the COD Midrange server thru SFTP.
4. COD Midrange will transfer the file to COD Mainframe and trigger a COD batch program that will process the “DMCS Grant Student Collections File”.

Usage Scenarios:

The DMCS Grant Student Collections file contains Grant student collection overpayment records for students referred to the DMCS collections process by a school. Students and their referral amounts are added to DMCS files. Students submit payments to DMCS, may receive a refund of payments from DMCS, may enter a satisfactory arrangement with DMCS, or may be deleted from the DMCS collections process. DMCS produces the DMCS Grant Student Collections File from a weekly batch extract process. The DMCS Grant Student Collections file begins with a header record, followed by student Add, Change, Delete, Unsatisfactory, or Satisfactory arrangement detail records, and ends with a trailer record. There may be multiple header and trailer records for each unique award year.

Weekly, COD will process detail DMCS Grant student transactions that match student awards on COD to establish that the student is in a collections status. As payments are made by the student, their eligibility for additional disbursements may increase if refunds are made by DMCS to a student. The COD system will use the total amount of the referral provided by DMCS to determine using payment activity that the student has repaid the Grant amount referred.

COD and DMCS will communicate when a file transmitted from DMCS to COD is corrupt to the point of unreadable by the COD system.

Requesting (DMCS) System Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	HP	DL380/585s	NA
2	Operating System	Microsoft	Windows	2008
3	DBMS	Microsoft	SQL Server	2008
4	Transmission Protocol	IBM	Connect: Direct /SFTP	4.5.01

Responding (COD) Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	IBM	Mainframe Server	Z196
2	Operating System	IBM	zOS	1.13
3	DBMS	IBM	DB2 IMS	DB2 v10.0 IMS v12.1
4	Transmission Protocol	IBM	SFTP	NA
5	Transmission Protocol	IBM Sterling	Connect:Direct(NDM)	5.0

Requesting (DMCS) System Additional Information

#	Type	
1	Production System Location	Utica, NY
2	Contracting Organization	Maximus
3	Developer Location	Fredrick, Maryland

Responding (COD) System Additional Information

#	Type	
1	Production System Location	Columbus, GA
2	Contracting Organization	Accenture/TSYS
3	Developer Location	Washington, DC

Requesting (or Source) System Responsibilities

DMCS Functional Specifications (source system)

#	Description
1	DMCS will extract "DMCS Grant Student Collections File" from the DMCS batch process and data stores.
2	The extracted data will be saved to a "flat file"
3	The data extracted will be formatted as specified in Appendix A.
4	The "DMCS Header Record" will be the first record in the file The "DMCS Trailer Record" will be the last record in the file "DMCS Detail Records" are ordered by SSN, School Year, and Action Code.
5	SFTP will be the File transfer method used to transmit the file from DMCS to the COD target System
6	DMCS will provide Accenture with the following input parameters: Input file name (mandatory)

Responding (or Destination) System Responsibilities

COD Functional Specifications (target system)

#	Description
1	DMCS SFTP will deliver the file to the COD Midrange server as PELL.COD_UPDATE_CCYYMMDDHHMMSS.TXT
2	COD Midrange will deliver the file to Mainframe thru NDM as CPQ2396.INH.GP00.POSTING.DCS.IN.G* and trigger a batch job to process the file

Interface Assumptions

#	Assumption
	Operational Assumptions
1	The DMCS/COD systems execute in an ETL.
2	Existing ETL Scheduling mechanisms will schedule the initiation of "DMCS Grant Student Collections File" processing
3	Batch job failures including FTP transmission errors will be captured by existing Operations processes on the COD Z/OS server.
	Functional Assumptions
4	DMCS Data Store contains information needed to create "DMCS Grant Student Collections File"
5	The business rules for extracting "DMCS Grant Student Collections File" is beyond the scope of this document
6	COD will process the "DMCS Grant Student Collections File". The rules for processing the file is beyond the scope of this document

Interface Dependencies

For release 12.0, Accenture will provide DMCS with a list of students, schools and transactions that should be used for testing. DMCS will have the responsibility of creating the DMCS file and will FTP the file to the COD Test Environment. This will then trigger off the DMCS processing jobs for the Accenture COD Testing Team to verify.

In the event that DMCS is not able to complete systematic Inter-system testing (IST) of Release 12.0 during the IST testing window, DMCS agrees to perform visual validation of records and record layouts to assist COD in its systematic testing of Release 12.0. COD agrees to move the Release 12.0 code into production during the Release 12.0 implementation weekend at risk of not performing joint systematic IST. If problem(s) are discovered with the COD – DMCS interface after Release 12.0 implementation, DMCS agrees to make the corrections on the DMCS side of the interface to resolve the problem(s).

File Specification

All Award Year File Layout:
Please reference the File Specification Document:
DMCS-COD_GSC_Layout.doc for the detailed information.

Error Messages

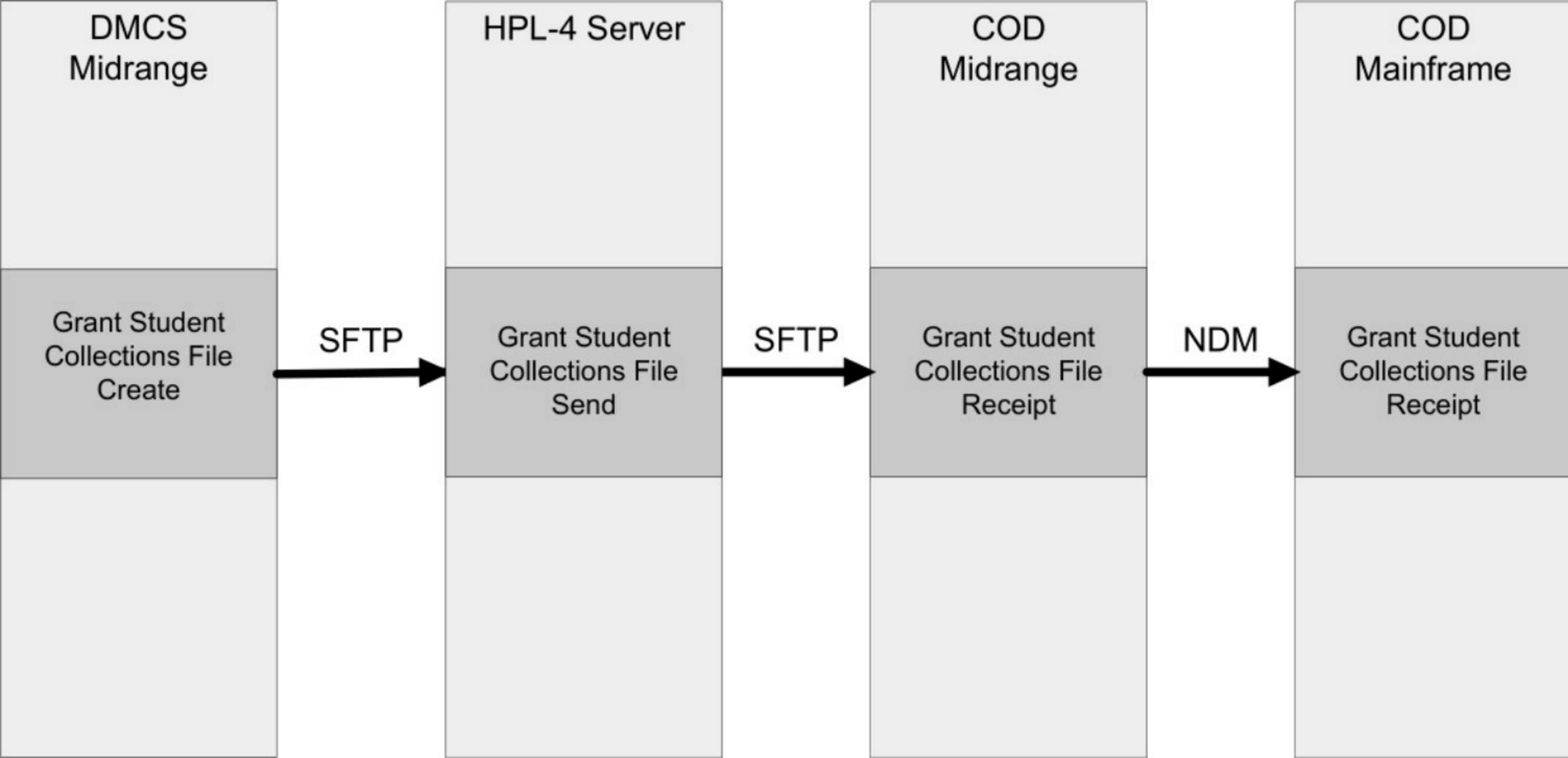
No error messages have been identified for this interface.

Issues and Additional Considerations

There have been no issues or additional considerations identified for this interface.

Reviewers

Name	Date	Team
Chuck Mahaney		FSA
Marie Fitzpatrick		FSA
Dan Sullivan		FSA
Courtland Smith		FSA
Lili Schuster		FSA



FSA Integration Partner

United States Department of Education

Office of Federal Student Aid

DMCS – COD Interface Grant Student Collections File

File Specification Layout

Document Reference: DMCS-COD_GSC_Layout

October 1, 2012

Grant Student Collections File

For 2007-2008 Award Year & Forward - Pell Grants

For 2008-2009 Award Year and Forward - TEACH Grants. For Award Year 2007-2008 through Award Year 2010-2011 - ACG and National SMART Grants (Note: All DMCS records received by the COD System for Award Years prior to 2007-2008 will be rejected and changes will not be reflected on the COD System.)

DMCS Interface File Header Record

Note: There are multiple header and trailer records on the same file for each unique award year.

Start	End	Length	Type	Title	Description	Valid Values
1	9	9	N	Header sort field	Constant 000000000	
10	10	1	A	Header data provider	Constant D (for Debt Collection Service)	
11	18	8	D	Header file create date	Creation date of file-CCYYMMDD	
19	296	278	A	Unused	Constant spaces	
297	300	4	N	Grant Award Year	Ending year in two year school pair, e.g., 2013-2014 would be constant 2014	

DMCS Detail Record

Start	End	Length	Type	Title	Description
1	23	23	AN	Award ID	<p>Left Justified Field</p> <p>For Pell: ID which uniquely identifies a Pell origination record from a specific Attended campus.</p> <p>Format: 999999999XXCCYY99999900; Components of the Origination ID are listed below.</p> <p>999999999 = Original SSN. Social Security Number (SSN) on the first FASFA filed by the applicant for a school year. This data remains constant for the entire processing cycle, even if applicant makes changes to the "Current SSN". Range: 001010001 - 999999999</p> <p>XX = Original Name code. First 2 characters of the last name on the first FASFA filed by the applicant for a school year. This data remains constant for the entire processing cycle, even if applicant makes changes to the Last name. May be blank.</p> <p>CCYY = Year indicator. Ending year in the school year pair, e.g., constant 2014 for 2013 - 2014.</p> <p>999999 = Pell Institution Number of campus attended.</p> <p>00 = Origination Sequence Number. Constant 00.</p> <p>For ACG & SMART</p> <p>Format: 999999999XYY999999999</p> <p>SSN (9 char.)</p> <p>X = Award Type (1 char. ACG = A, National SMART = T)</p> <p>YY = Award Year (2 char.)</p> <p>Pell School ID (6 char.)</p> <p>Award Sequence Number (3 char.)</p> <p>*Required for ACG and SMART for 2006 – 2007 through 2010-2011</p> <p>For TEACH</p> <p>Format: 999999999XYY999999999</p> <p>SSN (9 char.)</p> <p>X = Award Type (1 char. TEACH = H)</p> <p>YY = Award Year (2 char.)</p> <p>OPE ID (6 char.)</p>

					Award Sequence Number (3 char.) *Required for TEACH for 2008 – 2009 and forward
24	32	9	N	SSN	SSN from the Referral document * SSN is required to be populated in a valid SSN field
33	40	8	D	DOB	DOB from the Referral document – CCYYMMDD * DOB is required to be populated in a valid DOB field
41	60	20	AN;LJ	Last name	Last name from the Referral document * Required Value
61	80	20	AN;LJ	First name	First name from the Referral document
81	100	20	A	Middle Name	Initial from the Referral document; COD will store only left-most byte.
101	106	6	N	Attended campus Institution number	School code from the Referral document * Attended Campus is required to be populated in a valid Attended Campus field for Award Type PE, AG and SG. Not required for Award Type TG.
107	115	9	AN;LJ	SSN Changed to	SSN from Referral document update or contact with student * SSN is required to be populated in a valid SSN field
116	123	8	AN;LJ	DOB Changed to	DOB from Referral document update or contact with student – CCYYMMDD * DOB is required to be populated in a valid DOB field
124	143	20	AN;LJ	Last name Changed to	Last name from Referral document update or contact with student
144	163	20	AN;LJ	First name Changed to	First name from Referral document update or contact with student
164	183	20	A;LJ	Middle Name Changed to	Initial from Referral document update or contact with student. COD will store only the first byte.
184	189	6	AN	Attended campus Institution number Changed to	School code from Referral document update or contact with student * Attended Campus is required to be populated in a valid Attended Campus field for Award Type PE, AG and SG. Not required for Award Type TG.
190	190	1	A	Sign indicator	P = Increase in amount collected; N = Decrease in amount collected
191	197	7	N;RJ-LZF	Amount collected	Amount of this payment from the student-dollars and cents, with implied decimal *Required Value
198	205	8	D	Date collected	Date of this payment from the student-CCYYMMDD
206	221	16	AN	Debt ID	Assigned by DMCS
222	229	8	A	Routing ID	Routing ID (RID) 'blank' or constant spaces, cannot be zero-filled
230	231	2	A	Award Type	"PE" for Pell, "AG" for ACG, "SG" for National SMART, "TG" for TEACH, "SE" for FSEOG *Required for Award Years 2005-2006 and forward for Pell, 2008-2009 and forward for Teach, and 2006-2007 through 2010-2011 for ACG and National SMART
232	295	64	A	Unused	Constant spaces
296	296	1	A	Action code	A = Add record; C = Change to existing record; D = Delete existing record S = Satisfactory Arrangement U = Unsatisfactory Arrangement
297	300	4	N	Grant Award Year	Ending year in two year school pair, e.g., 2013-2014 would be constant 2014 *Required Value

DMCS Interface File Trailer Record

Note: There are multiple header and trailer records on the same file for each unique award year.

Start	End	Length	Type	Title	Description
1	9	9	N	Trailer sort field	Constant 999999999
10	10	1	A	Trailer data provider	Constant D (for Debt Collection Service)
11	18	8	D	Trailer file create date	Creation date of file – CCYYMMDD
19	25	7	N;RJ-LZF	Record count	Number of detail records in the file
26	26	1	A	Sign indicator	P = Positive Net Amount collected; N = Negative Net Amount collected
27	37	11	N	Net Amount Collected	Value sent by DMCS. Net Amount in the Detail Records in the file with implied decimal. This is the positive amounts collected less the negative amounts collected.
38	296	259	A	Unused	Constant spaces
297	300	4	N	Grant Award Year	Ending year in two year school pair, e.g., 2013-2014 would be constant 2014

DMCS Batch Statistics File Record Layout

Start	End	Length	Type	Title	Description
1	10	10	A/N	Batch ID	System Generated Numeric Value 9999999999
11	14	4	N	Award Year	Award Year that this line record is using Ending year in two year school pair, e.g., 2011-2012 would be constant 2012
15	21	7	D	Create Date	Creation Date of file in Julian - YYYYDDD
22	28	7	N	Record Count	Number of records processed in the batch for the Award Year
				Number of detail records in the file	9999999 – No spaces, zeroes to the left
29	35	7	N	Number of Accepted Records	Number of accepted records processed in the batch for the Award Year 9999999 – No spaces, zeroes to the left
36	42	7	N	Number of Rejected Records	Number of Rejected records processed in the batch for the Award Year 9999999 – No spaces, zeroes to the left
43	43	1	A	Batch Status	Whether the batch was accepted to be processed A = Accepted R = Rejected
44	44	1	A	Sign Indicator	Value used in the incoming DMCS Batch Trailer P = Increase in amount collected; N = Decrease in amount collected
45	59	15	N	Net Amount Collected	Value returned back from the Net Amount Collected COD Receives. Implied Decimal.
60	66	7	N	Number of Add Transactions	Count of "Add" Transactions within received by COD
67	73	7	N	Number of Change Transactions	Count of "Change" Transactions within received by COD
74	80	7	N	Number of Delete Transactions	Count of "Delete" Transactions within received by COD
81	87	7	N	Number of Satisfactory Transactions	Count of "Satisfactory" Transactions within received by COD
88	94	7	A/N	Number of Unsatisfactory	Count of "Unsatisfactory" Transactions within

				Transactions	received by COD
95	98	4	A/N	Reject Reason #1	Populated for Batch Reject Reason
99	102	4	A/N	Reject Reason #2	Populated for Batch Reject Reason
103	106	4	A/N	Reject Reason #3	Populated for Batch Reject Reason
107	110	4	A/N	Reject Reason #4	Populated for Batch Reject Reason
111	114	4	A/N	Reject Reason #5	Populated for Batch Reject Reason
115	116	2	A/N	Filler	Filler
117	121	5	N	TEACH # Accepted	Filler - Space filled for prior AY 08-09 08-09 and forward 99999 – No spaces, zeroes to the left
122	126	5	N	TEACH # Rejected	Filler - Space filled for prior AY 08-09 08-09 and forward 99999 – No spaces, zeroes to the left
127	131	5	N	Pell # Accepted	Filler - Space filled for prior AY 06-07 06-07 and forward 99999 – No spaces, zeroes to the left
132	136	5	N	Pell # Rejected	Filler - Space filled for prior AY 06-07 06-07 and forward 99999 – No spaces, zeroes to the left
137	141	5	N	ACG # Accepted	Filler - Space filled for prior AY 06-07 06-07 through -10-11 99999 – No spaces, zeroes to the left
142	146	5	N	ACG # Rejected	Filler - Space filled for prior AY 06-07 06-07 through - 10-11 99999 – No spaces, zeroes to the left
147	151	5	N	SMART # Accepted	Filler - Space filled for prior AY 06-07 06-07 through -10-11 99999 – No spaces, zeroes to the left
152	156	5	N	SMART # Rejected	Filler - Space filled for prior AY 06-07 06-07 through 10-11 99999 – No spaces, zeroes to the left

DMCS Accepted Transactions File Record Layout

Start	End	Length	Type	Title	Description
1	10	10	N	Batch ID	System Generated Numeric Value 9999999999
11	11	1	A	Action Code	A = Add C = Change D = Delete existing record S = Satisfactory Arrangement U = Unsatisfactory Arrangement
12	20	9	N	SSN	SSN submitted by DMCS
21	27	7	N	DOB	DOB submitted by DMCS changed to Julian – YYYYDDD
28	47	20	A/N	Last Name	Last Name submitted by DMCS
48	67	20	A/N	First Name	First Name submitted by DMCS
68	68	1	A	Middle Initial	Middle Initial submitted by DMCS, only the 1 st character
69	74	6	A/N	Attending Pell ID	Attending Pell ID submitted
75	75	1	A	Sign Indicator	P = Positive N = Negative
76	90	15	N	Amount Collected	9999999999999999 – No spaces, zeroes to the left
91	97	7	D	Date Collected	Date submitted by DMCS changed to Julian – YYYYDDD
98	120	23	A/N	Award ID for Pell, ACG, National SMART or TEACH	Left Justified Field For Pell: 9999999999XXCCYY99999900 For ACG, SMART and TEACH: 9999999999XY9999999999
121	129	9	N	SSN Changed	SSN value received from DMCS
130	136	7	D	DOB Changed	DOB value received from DMCS
137	156	20	A/N	Last Name Changed	Last Name value received from DMCS
157	162	6	A/N	Attending Pell ID Changed	Attending Pell ID value received from DMCS
163	178	16	A	Debt ID	Debt ID value received from DMCS
179	186	8	A	Routing ID	Routing ID sent by DMCS
187	198	12	N	Application Number	A numeric identifier assigned systematically for tracking applications. This identifier ties the original application to the account.
199	200	2	N	App Suffix	App Suffix Suffix for the applicant's name. Always zero for Government Services
201	204	4	A/N	Grant Award Year	Award Year of the Record
205	211	7	N	School ID	Internal COD School ID Number
212	214	3	N	Award Number	Award Number
215	216	2	N	Disbursement Number Existing	The highest disbursement number on file for that award and student.
217	218	2	N	Disbursement Sequence Number Existing	The highest disbursement sequence number for the highest disbursement number on file for that award and student. The disbursement sequence number is a counter for the number of updates to a disbursement.
219	220	2	N	COD Sequence Number	The highest disbursement sequence number for disbursement updates made via the COD web. This number corresponds to the highest disbursement number on file for that award and student.
221	235	15	N	Amount Posted	Award Amount Posted within COD

					Note: Pos. 221 will store a blank for Positive value in the email attachment
236	250	15	N	SFPG Amount	Scheduled Federal Pell Grant calculated within COD Note: Pos. 236 will store a blank for Positive value in the email attachment Positions 237-250 zero-filled for Award Type AG, SG and TG.
251	252	2	A/N	TSYS Product Code	Internal COD Code
253	255	3	A/N	Client Product Code	Internal COD Code
256	256	1	A	Grant Collection Indicator	Indicator stored on the COD System. Valid Values - "R" (Referral), "P" (Unsatisfactory), "C" (Closed), "S" (Satisfactory)
257	271	15	N	Grant Collection Amount	Total Initial Amount Owed by the student Note: Pos. 257 will store a blank for Positive value in the email attachment
272	294	23	A	Filler (Spaces)	
295	304	10	N	Customer ID	COD Customer ID
305	323	19	A/N	Account Number	A constant value identified for the account and must be unique within COD. This field is similar to the application ID and will remain on the account even if it is transferred or goes through a product change.
324	325	2	A	Award Type	"PE" for Pell, "AG" for ACG, "SG" for National SMART, and "TG" for TEACH
326	350	25	A	Filler (Spaces)	

DMCS Rejected Transactions File Record Layout

Start	End	Length	Type	Title	Description
1	10	10	A/N	Batch ID	System Generated Numeric Value 9999999999
11	11	1	A	Action Code	A = Add C = Change D = Delete S = Satisfactory Arrangement U = Unsatisfactory Arrangement
12	20	9	N	SSN	SSN submitted by DMCS
21	27	7	D	DOB	DOB submitted by DMCS changed to Julian – YYYYDDD
28	47	20	A/N	Last Name	Last Name submitted by DMCS
48	67	20	A/N	First Name	First Name submitted by DMCS
68	68	1	A	Middle Initial	Middle Initial submitted by DMCS, only the 1 st character
69	74	6	A/N	Attending Pell School ID	Attending Pell ID Submitted
75	75	1	A	Sign Indicator	P = Positive N = Negative
76	90	15	N	Amount Collected	999999999999999 – No spaces, zeroes to the left
91	97	7	D	Date Collected	Date submitted by DMCS changed to Julian – YYYYDDD
98	120	23	A/N	Award ID for Pell, ACG, National SMART or TEACH	Left Justified Field For Pell: 999999999XXCCYY99999900 For ACG, SMART & TEACH: 999999999XY999999999
121	129	9	N	SSN Changed	SSN value received from DMCS
130	136	7	D	DOB Changed	DOB value received from DMCS changed to Julian – YYYYDDD
137	156	20	A	Last Name Changed	Last Name value received from DMCS
157	162	6	A/N	Attending Pell School ID Changed	Attending Pell ID value received from DMCS
163	178	16	A/N	Debt ID	Debt ID value received from DMCS
179	186	8	A/N	Routing ID	Routing ID sent by DMCS
187	190	4	A	Transaction Status #1	Action Code given by COD
191	194	4	A	Transaction Status #2	Action Code given by COD
195	198	4	A	Transaction Status #3	Action Code given by COD
199	202	4	A	Transaction Status #4	Action Code given by COD
203	206	4	A	Transaction Status #5	Action Code given by COD
207	210	4	A	Transaction Status #6	Action Code given by COD
211	214	4	A	Transaction Status #7	Action Code given by COD
215	218	4	A	Transaction Status #8	Action Code given by COD
219	222	4	A	Transaction Status #9	Action Code given by COD
223	226	4	A	Transaction Status #10	Action Code given by COD
227	230	4	A	Transaction Status #11	Action Code given by COD
231	234	4	A	Transaction Status #12	Action Code given by COD
235	238	4	A	Transaction Status #13	Action Code given by COD
239	242	4	A	Transaction Status #14	Action Code given by COD
243	246	4	A	Transaction Status #15	Action Code given by COD
247	250	4	A	Transaction Status #16	Action Code given by COD

251	254	4	A	Transaction Status #17	Action Code given by COD
255	258	4	A	Transaction Status #18	Action Code given by COD
259	262	4	A	Transaction Status #19	Action Code given by COD
263	266	4	A	Transaction Status #20	Action Code given by COD
267	270	4	A	Transaction Status #21	Action Code given by COD
271	274	4	A	Transaction Status #22	Action Code given by COD
275	278	4	A	Transaction Status #23	Action Code given by COD
279	282	4	A	Transaction Status #24	Action Code given by COD
283	286	4	A	Transaction Status #25	Action Code given by COD
287	290	4	A	Transaction Status #26	Action Code given by COD
291	294	4	A	Transaction Status #27	Action Code given by COD
295	298	4	A	Transaction Status #28	Action Code given by COD
299	302	4	A	Transaction Status #29	Action Code given by COD
303	306	4	A	Transaction Status #30	Action Code given by COD
307	310	4	A	Transaction Status #31	Action Code given by COD
311	314	4	A	Transaction Status #32	Action Code given by COD
315	318	4	A	Transaction Status #33	Action Code given by COD
319	322	4	N	Award Year	Award Year of the Record
323	324	2	A/N	Award Type	<p>“PE” for Pell, “AG” for ACG, “SG” for National SMART, and “TG” for TEACH</p> <p>Note: Any invalid value would appear in this field</p>
325	328	4	A	Filler (Spaces)	

COD-DMCS Reject Edit Codes

Batch Level Edits

Edit Code	Description
B001	Create date is greater than the current logical date
B002	Award year < 2004
B003	Record submitted by DMCS is for an award year that has been closed out.
B004	The record count on the DMCS trailer record does not match the total number of students in the batch.
B005	The sign indicator is not valid (anything other than 'P' or 'N')
B006	The Pell school year on the DMCS header and trailer records do not match.
B007	The file create date on the DMCS header and trailer records do not match.
B008	Header record encountered without a previous trailer record, or the first record on the file is not a header record.
B009	Trailer record encountered without a previous data record, or there were no detail records between the header and trailer.
B010	Detail record encountered without a previous data or header record.
B011	The sum of amounts collected on all the transactions does not equal the net amount collected on the DMCS trailer record.

Note: The following Transaction Level Edit descriptions shown below are not exact to the descriptions on the DCS BATCH/TRANSACTION REJECT CODE FREQUENCY report due to existing formatting limitations.

Transaction Level Edits

Edit Code	Description
S001	The action code is not an A, C, S, U, D.
S002	SSN is not valid or does not match with any student on COD.
S003	DOB is not valid (DOB is in CCYYMMDD format) or does not match with the DOB on COD for the SSN-Changed or SSN.
S004	Last name does not match with the last name on COD for the SSN-changed or SSN.
S005	Attending Campus Pell ID is not valid.
S006	SSN-Changed is not valid or does not match with any student on COD.
S007	DOB-Changed is not valid (format is CCYYMMDD) or does not match with the DOB on COD for the SSN-Changed or SSN.
S008	Last Name Changed does not match with the last name on COD for the SSN-Changed or SSN.
S009	Attending Campus Pell ID Changed is not valid.
S010	Sign indicator is not a 'P' or an 'N'.
S011	Invalid Date Collected (format is CCYYMMDD) or is a future date.
S012	Pell school year is not the same as the Pell school year on the batch header.
S013	Both Attending Campus Pell ID-Changed and Attending Campus Pell ID are not provided.
S014	SSN-changed is does not attend the Attending Campus Pell ID-Changed or Attending Campus Pell ID.
S015	Invalid Award Type used in the Transaction.
S016	Origination ID is not valid for the SSN (basic check can be performed on the first 9 digits of the Origination ID with

Edit Code	Description
	the SSN provided) or for the SSN-Changed.
S017	The SSN does not have an award at the Attending Campus-Changed or Attending Campus.
S018	C, S, U, or D transaction submitted but the student has not been added previously by an add transaction. Or the student is in a Closed status.
S019	Not all required information was submitted or valid in order to apply to the award.
S020	Add transaction submitted but the student is in a Referral, Satisfactory, or Unsatisfactory status. In addition to a Closed status and the Collection Referral Amount is equal to the Amount Collected on the DMCS file.
S021	The first change transaction is for a decrease in the amount collected.
S022	The amount collected for an add transaction is less than or equal to zero.
S023	Student has run out of disbursement number/sequence number combination.
S024	The batch has been rejected for some reason and associated transaction has been rejected.
S025	There are no funded disbursements for the student.
S026	Either the SSN-Changed or the SSN is not provided.
S027	Either the DOB-Changed or the DOB is not provided.
S028	Not Applicable
S029	Add transaction submitted for a student with a net funded disbursement amount of \$0.

United States Department of Education
Office of Federal Student Aid

Perkins Liquidation Tracking
ECSI Data File
Interface Control Document
Version 8.0

Document Reference:
March 16, 2018

Document Change Control

Date	Author	Version	Change Reference
10/10/2017	Lydia Yi	1.0	Initial Version
10/23/2017	Lydia Yi	2.0	Second Version after ICD Meeting on 10/17/17
10/30/2017	Lydia Yi	3.0	Third version after FSA comments received
11/13/2017	Lydia Yi	4.0	Signature page removed
12/4/2017	Lydia Yi	5.0	Transferred the projected school # from NSLDS ICD to this document
12/12/2017	Lydia Yi	6.0	Updated file name and updated COD's red hat version to be 6.9.
3/7/2018	Allan E. Thompson Jr.	7.0	Added DPATH information.
3/16/2018	Emma Sales	8.0	Added ECSI Source System Data

Interface Control Specification

Interface Name:	ECSI Data File
Interface Type:	Uni-Directional - Incoming
Interface Short Description:	This document defines the processes utilized to send the ECSI Data Files from ECSI to COD via SAIG.
Requesting Application: or Source Application:	ECSI is the source of ECSI data coming in to COD. ECSI TG Mailbox (TEST): TGM6491 ECSI TG Mailbox (PROD): TGM6750
Responding Application: or Destination Application:	COD is the destination application of the ECSI Data File. COD-CB TG Mailbox (TEST): TGT4377 COD-CB TG Mailbox (PROD): TGT3300 Message Class: ECBPPLIN File Name: ECSI.PERKINS.SCHOOL.LOANS.DYYYYMMDD.THHMMSS.RXXX (Where YYYY = year, MM = month, DD = date, HH = hour, MM = minute, SS = section, and XXX = 3 random digits.) TEST - DPATH: /acn/saig/TGT4377/ecsi-interfaces/ECSI.PERKINS.SCHOOL.LOANS.DYYYYMMDD.THHMMSS.RXXX PROD - DPATH: /apps/batch/staging/ecsi-interfaces/ECSI.PERKINS.SCHOOL.LOANS.DYYYYMMDD.THHMMSS.RXXX
Functional Requirement References:	Group 5 Perkins Liquidation Tracking General Design Document (GDD) and Requirements Definition Document (RDD) – CR 4110
Related Unit Test Document:	N/A
Other Related Interfaces:	
Interface Usage Frequency:	ECSI will send a file to COD 12:00PM EST every Monday, or the next business day if Monday falls on a holiday.
Interface Usage Volume:	Average Number of Records: 940 OPE IDs/ rows of data Projected number of schools anticipated on ECSI File: 1587 OPE IDs to make assignments

Interface Overview- ECSI Data File Processing

Flow Diagram Description

1. ECSI will transmit the ECSI Data File over to COD's TG Mailbox via SAIG.
2. COD will receive and process the ECSI Data File.

Source System (ECSI) Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	Dell	Power Edge	R710
2	Operating System	Windows	2008 Server	R2
3	Transmission Protocol	bTrade	TDN Transaction Delivery eNgine	3.2

Destination System (COD) Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	HP	Midrange Server	DL580
2	Operating System	Red Hat	Red Hat Enterprise Linux Server	6.9
3	Transmission Protocol	IBM	WebSphere MQ	8.0.0.5

SAIG System Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	VDC	Linux VM ESXi 6.0	Linux VM ESXi 6.0
2	Operating System	Red Hat Red Hat Linux 5.11	Red Hat Red Hat Linux 5.11	Red Hat Red Hat Linux 5.11
3	DBMS	Oracle Enterprise DB 11.2.0.4	Oracle Enterprise DB 11.2.0.4	Oracle Enterprise DB 11.2.0.4
4	Transmission Protocol	bTrade	TDN Transaction Delivery eNgine	3.2

Source System Additional Information

#	Type	Value
1	Production System Location	Pittsburgh, PA
2	Contracting Organization	ECSI
3	Developer Location	Warrendale, PA

Destination System Additional Information

#	Type	Value
1	Production System Location	Columbus, GA
2	Contracting Organization	Accenture/TSYS
3	Developer Location	Washington, DC

Source System Responsibilities

#	Description
1	ECSI will send a file of Assigned Loans for schools on a weekly basis.
2	A record in the file will be unique per OPE ID.

Destination System Responsibilities

#	Description
1	COD will process the ECSI file received and store the data.
2	COD will archive the data files received from ECSI for 90 days.
3	COD will send an e-mail to cbfsadmin@ed.gov that identifies any transactions that were on the ECSI file but that did not load into COD.
3.1	The email notification will contain the following information: Database Load information: Run began on: < date and time > Run ended on: < date and time > Records Read: < number of total records received > Records Rejected: < number of records rejected > Records successfully loaded: < number of records successfully loaded > Database Process Messages: < Rejected record(s) and reason(s) for rejection > Rejected Record Details: < transaction details - >

ECSI Data File

This transfer is part of the Perkins Liquidation Tracking process for eligible schools participating in the Federal Perkins Loan Program. The process of liquidating (ending participation in the Federal Perkins Loan Program) includes a review of a school's outstanding Perkins Loans so that they can be assigned to the Department. Schools are required to assign all outstanding open Perkins Loans to the Department as part of the Liquidation Process. The ECSI Data File enables COD to confirm the status of loans accepted and assigned by the Department for schools and process the Assignments information received.

SAIG Header Record

SAIG Transmission Batch Header Record (example: O*N05TGXXXXX where XXXXX is an alphanumeric mailbox address) found in TD Client 3.2 - **Host Communications Guide**

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N05"	<i>Missing Transmission Trailer – Reject Transmission; No detail records – Reject Transmission</i>
6	12	7	A/N	Header Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned to Destination	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header Class Label	Constant: ",CLS = "	
25	32	8	A/N	Header Message Class	ECBPPLIN	
33	36	4	A/N	Header XXX Label	Constant: ",XXX"	
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: ",BAT = "	
42	58	17	A/N	Header Batch label	Batch ID: Spaces	
59	64	6	A/N	Header Batch ID	Constant: Spaces	
		Xx	A	Unused	Constant Spaces	
		≥ 80		Total Record Length		

Interface Control Document
ECSI Data Files

File Detail Record

Start	End	Length	Type	Data Element	Description	Valid values
1	8	8	A/N	OPE ID	8 digit school identifier	A-Z Numbers (0-9) spaces
10	16	7	N	Total Number of Loans Accepted	The total number of loans for the OPE ID that have been accepted into ECSI.	Numbers (0-9) spaces
18	24	7	N	Number of Borrowers for Accepted Loans	The total number of borrowers that account for the loans in the 'Total Number of Loans Accepted' field	Numbers (0-9) spaces
26	37	12	N	Total Principal Balance	Total sum dollar value of the Principal Balance assigned for each loan in the 'Total Number of Loans Accepted' field.	Numbers (0-9) Decimals

SAIG Trailer Record

SAIG Transmission Batch Trailer Record (example: O*N05TGXXXXX where XXXXX is an alphanumeric mailbox address) found in TD Client 3.2 - **Host Communications Guide**

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N95"	<i>Missing Transmission Trailer – Reject Transmission; No detail records – Reject Transmission</i>
6	12	7	A/N	Trailer Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned to Destination	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header Class Label	Constant: ",CLS = "	
25	32	8	A/N	Trailer Message Class	ECBPPLIN	
33	36	4	A/N	Trailer XXX Label	Constant: ",XXX"	

Interface Control Document
ECSI Data Files

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: “,BAT = ”	
42	58	17	A/N	Trailer Batch label	Batch ID: ,Spaces	
59	70	6	A/N	Trailer Batch ID	Constant: Spaces	
		Xx	A	Unused	Constant spaces	
		≥ 80		Total Record Length		

Business Rules

Field format	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 according to business rules per field.

Interface Assumptions

#	Assumption
1	If a school is not in the ECSI file, COD will assume that the no Assignments have been assigned for that school.

Interface Dependencies

#	Dependency
1	No interface dependencies have been identified for this interface.

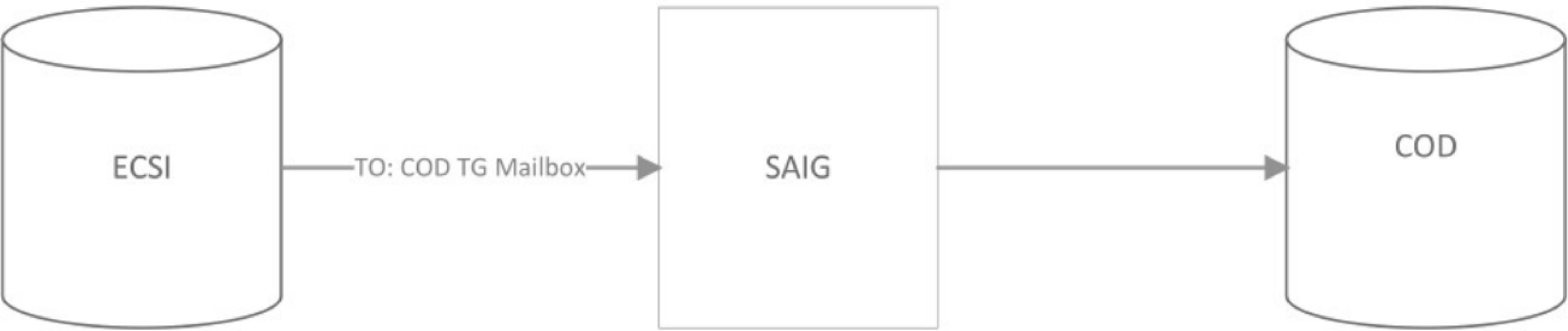
Issues and Additional Considerations

Raised By	Issue	Date Needed	Resolution/Answer	Date Completed	Resolved By

Reviewers

Name	Date	Team

ECSI to COD: ECSI Data File



**Equifax System-to-System Connection
Interface Control Document**

Version 5.0 • 9/29/2017

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	8/24/2017	Kenneth Shin	Initial Draft
1.1	9/03/2017	Kenneth Shin	Added requests section
2.0	9/11/2017	Kenneth Shin	Added Interface Information
3.0	9/14/2017	Kenneth Shin	Changed Format
4.0	9/19/2017	Alex Goossens	Updated Section 6
5.0	9/25/2017	Kenneth Shin	Updated Technical Requirement Section

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Section 1. Interface Control Specification

Interface Name *	Web-based Equifax Interface
Interface Type *	Unidirectional
Interface Short Description *	This document defines the processes utilized by COD and Equifax to make credit-related calls over the web. COD will make calls to Equifax to conduct credit checks and/or pull student/borrower's credit status.
Requesting (Source) Application *	COD sends student/borrower's information to Equifax.
Responding (Receiving or Destination) Application *	Equifax receives credit requests from COD and sends response back to COD.
Technical Requirement References *	<p>Authentication Method (User named based)</p> <ul style="list-style-type: none"> • User ID/Site ID • Password • Customer Code • URL <p>Encryption</p> <ul style="list-style-type: none"> • User Name/Password encrypted in Base64 Format • Ex. User ID: password in Base64 Format <p>TLS version</p> <ul style="list-style-type: none"> • Browsers and Integrations must use TLS v. 1.0 or higher. • Ex. COD uses TLS v1.2 <p>Certificate Requirements</p> <ul style="list-style-type: none"> • Equifax STS connection requires the installation of CA Root and Intermediate Certificates using SHA256 hash
Interface Usage Frequency *	Equifax will process the calls in real-time.
Interface Usage Volume *	Average Number of Equifax calls 70,000~100,000 per month Estimated Peak Number of Equifax calls 400,000 per month

**Required field*

Section 2. Interface Overview

2.1. Flow Diagram

2.2. Flow Diagram Description

1. User will request a new credit via COD system.
2. TSYS Server will authenticate against itself and Credit request will be sent to Equifax over FW via HTTPS POST.
3. Equifax will receive credit requests from COD system and authenticate the credentials.
4. Upon successful authentication, Equifax will process credit request and COD system will receive credit response from Equifax.

2.3. Usage Scenarios

COD user submits a credit requests on COD website. Credit request is sent to Equifax via HTTPS POST and COD user will receive a credit check result (response from Equifax).

Section 3. System Information

3.1. Requesting (or Source) System Information

#	Type	
1	Production System Location	Columbus, GA
2	Contracting Organization	Accenture Federal Services
3	Developer Location	WASHINGTON, D.C.
4	Transmission Protocol	HTTPS

3.2. Responding (Receiving or Destination) System Information

#	Type	
1	Production System Location	TBD
2	Contracting Organization	EQUIFAX
3	Developer Location	Atlanta, GA
4	Transmission Protocol	HTTPS

Section 4. Interfacing System Responsibilities

4.1. Requesting (or Source) System Responsibilities

[COD System] Functional Specifications

#	Description
1	<i>The COD system will extract Borrower's data from the COD system/database.</i>
2	<i>The extracted data will be formateted as XML file specified in XML guideline.</i>
3	<i>The COD system will be configured to send XML credit requests to Equifax.</i>

4.2. Responding (Receiving or Destination) System Responsibilities

[Equifax] Functional Specifications

#	Description
1	<i>The Equifax system will receive XML credit request and process the credit check.</i>
2	<i>The Equifax system will send the XML credit response file to the COD server and it will be saved in restricted directories in the COD server.</i>

Section 5. Business Rules and Logic

The following section outlines the business rules and validation logic.

Type	Description
Validation	<p><i>[SSN is not spaces</i> <i>Date of Birth is a valid date</i> <i>Last name is not spaces"]</i></p>
Exception Processing	<p><i>[This procedure handles the following exception conditions:</i></p> <ul style="list-style-type: none"> • <i>Invalid SSN</i> • <i>Invalid DOB</i> • <i>Invalid Last Name</i> • <i>System Error</i> • <i>Borrower Not Found</i> • <i>Multiple Borrowers Found</i> • <i>More Data Exist Than Can Be Reported]</i>
Logic	<p><i>[If length of COMMAREA is 0 then</i> <i> Identifying data not provided</i></p> <p><i>Else</i></p> <p><i> Get Inputs</i></p> <p><i> Build Header Details</i></p> <p><i> If Input SSN is invalid</i> <i> Set Return Status to System Error</i></p> <p><i> Else if DOB is invalid</i> <i> Set Return Status to System Error]</i></p>

Section 6. File Specification

The following elements from ACROXMLSchema_7 are used.

Request

ELEMENT	ELEMENT LOCATION	DESCRIPTION	FIELD FORMAT/SIZE
Version	EfxReceive	Version of Equifax format	Char(3)
TranID	EfxReceive	Assigned by Equifax	Char(4)
CustomerNumber	EfxReceive	Equifax Customer Number	Char(10)
SecurityCode	EfxReceive		Char(3)
CustomerNumber	CustomerInfo	Equifax Customer Number	Char(10)
SecurityCode	CustomerInfo		Char(3)
CustomerCode	CustomerInfo		Char(4)
OutputFormat	CustomerInfo	"T2"	Char(2)
MultipleFileIndicator	CustomerInfo	"1"	Char(1)
RawFileAppendIndicator	CustomerInfo	"N"	Char(1)
RequestNumber	EfxRequest		Num(1)
CustomerReferenceNumber	EfxRequest		Char(20)
ECOInquiryType	EfxRequest	"I"	Char(1)
SubjectSSn	EfxRequest		Num(9)
SubjectBirthDate	EfxRequest		Char(10)
LastName	EfxRequest		Char(25)
FirstName	EfxRequest		Char(15)
MiddleName	EfxRequest		Char(15)
ConsumerReferralLocationFlag	EfxRequest		Char(1)
ExpandedCollections	EfxRequest	"Y"	Char(1)
ExpandedTradeAll60	EfxRequest	"Y"	Char(1)

StreetNumber	EfxRequest		Char(10)
StreetName	EfxRequest		Char(26)
UnitNumber	EfxRequest		Char(5)
City	EfxRequest		Char(20)
State	EfxRequest		Char(2)
Country Code	EfxRequest		Char(3)
TelephoneNumber	EfxRequest		Char(10)
EndUserName	EfxRequest	"US DEPT OF ED"	Char(25)
PermissiblePurposeCode	EfxRequest		Char(2)

Response

JAVA OBJECT FIELD	XML ELEMENT	DESCRIPTION	FIELD FORMAT/SIZE
ErrorCode	USErrorMessages/Error/code		Char(6)
ErrorDesc	UsErrorMessages/Error/description		Char(80)
HitCode	CreditFile/HitCode/Code		Char(1)
RequestDate	CreditFile/DateOfRequest		Char(10)
LinkedInd	CreditFile/LinkedIndicator/code		Char(1)
LastName	Subject/SubjectName/LastName		Char(51)
MiddleName	Subject/SubjectName/MiddleName		Char(25)
FirstName	Subject/SubjectName/FirstName		Char(25)
DOB	SubjectId/DateOfBirth	MM/DD/CCYY	Char(10)
SSN	SubjectId/SubjectSSN		Num(9)
CbAddressLine 1	USConsumerReferral/AddressLine1		Char(50)
CbAddressLine 2	UsConsumerReferral/AddressLine2		Char(50)
CbAddressLine 3	UsConsumerReferral/Name		Char(50)

CbCity	UsConsumerReferral/City		Char(20)
CbStateCode	UsConsumerReferral/State		Char(2)
CbPostalCode	UsConsumerReferral/PosalCode		Char(9)
CbPhone	UsConsumerReferral/Telephone/UnparsedTelephone-Nubmer		Num(10)

Collection

JAVA OBJECT FIELD	XML ELEMENT – USCOLLECTIONS/USCOLLECTION/	DESCRIPTION	FIELD FORMAT/SIZE
DateReported	ExpandedDateReported	MM/DD/CCYY	Char(10)
CollectionAgencyName	CustomerId/Name		Char(30)
CollectionAgencyNumber	CustomerId/CustomerNumber		Char(10)
ClientNameNumber	ClientNameNumber		Char(30)
AccountNumber	AccountNumber		Char(20)
BalanceAmount	BalanceAmount		Char(9)
DateLastPayment	ExpandedDateOfLastPayment	MM/DD/CCYY	Char(10)
CollectionStatusCode	Status/code		Char(1)
CollectionStatusDesc	Status/description		Char(30)
DateFirstDelinquent	ExpandedDateOfFirstDelinquency	MM/DD/CCYY	Char(10)
CreditorClassCode	ExpandedCreditorClassification/code		Char(2)
CreditorClassDesc	ExpandedCreditorClassification/description		Char(80)
DateAssigned	ExpandedDateAssigned		Char(10)
NarrativeCode	Narratives/Narrative/code		Char(2)
NarrativeDescription	Narratives/Narrative/description		Char(100)

Legal Item

JAVA OBJECT FIELD	XML ELEMENT – USLEGALITEMS/USLEGALITEM/	DESCRIPTION	FIELD FORMAT/SIZE
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LegalCode	Description		Char(80)
DateFiled	ExpandedDateFiled	MM/DD/CCYY	Char(10)
CourtCustomerNumber	CourtId/CustomerNumber		Char(10)
CourtCustomerName	CourtId/Name		Char(30)
CaseNumber	CaseNumber		Char(42)
Amount	Amount		Char(9)
DateSatisfied	ExpandedDateSatisfied	MM/DD/CCYY	Char(10)
LegalStatus	Status/code		Char(1)
LegalStatusDesc	Status/description		Char(30)
DateVerified	ExpandedVerificationDate	MM/DD/CCYY	Char(10)
NarrativeCode	Narratives/Narrative/code		Char(2)
NarrativeDescription	Narratives/Narrative/description		Char(100)

Trade

JAVA OBJECT FIELD	XML ELEMENT – USTRADES/USTRADE/	DESCRIPTION	FIELD FORMAT/SIZE
CustomerNumber	CreditorId/CustomerNumber		Char(10)
CustomerName	CreditorId/Name		Char(30)
DateReported	ExpandedDateReported	MM/DD/CCYY	Char(10)
DateOpened	ExpandedDateOpened	MM/DD/CCYY	Char(10)
DateClosed	ExpandedDateClosed	MM/DD/CCYY	Char(10)
AccountNumber	AccountNumber		Char(20)
BalanceAmount	BalanceAmount		Char(9)
PastDueAmount	PastDueAmount		Char(9)
ScheduledPaymentAmount	ScheduledPaymentAmount		Char(9)
RateStatusCode	Status/code		Char(1)

RateStatusDesc	Status/description		Char(30)
DateFirstDelinquency	ExpandedDateOfLastActivity	MM/CCYY	Char(7)
Number90DaysPastDue	HistoryDerogatoryCounters/Count90DayPastDue		Num(2)
AccountTypeCode	ExpandedAccountType/code		Char(2)
AccountTypeDesc	ExpandedAccountType/description		Char(80)
DateLastPayment	ExpandedDateOfLastPayment	MM/DD/CCYY	Char(10)
TermsFreqCode	ExpandedTermsFrequency/code		Char(1)
TermsFreqDesc	ExpandedTermsFrequency/description		Char(80)
TermsDuration	TermsDuration		Char(4)
UnpaidIndicator	ExpandedDateClosed	MM/DD/CCYY	Char(10)
NarrativeCode	Narratives/Narrative/code		Char(2)
NarrativeDescription	Narratives/Narrative/description		Char(100)

Legal Item

JAVA OBJECT FIELD	XML ELEMENT – USTAXLIENS/USTAXLIEN/	DESCRIPTION	FIELD FORMAT/SIZE
DateFiled	ExpandedDateFiled	MM/DD/CCYY	Char(80)
CourtCustomerName	CourtId/Name		Char(30)
CourtCustomerNumber	CourtId/CustomerNumber		Char(10)
CaseNumber	CaseNumber		Char(42)
AccountBal	Amount		Char(9)
LienClassCode	CreditorClass/code		Char(2)
LienClassDesc	CreditorClass/description		Char(100)
ReleasedDate	ExpandedReleaseDate	MM/DD/CCYY	Char(10)
VerifiedDate	ExpandedVerificationDate	MM/DD/CCYY	Char(10)
DateReported	ExpandedVerificationDate	MM/DD/CCYY	Char(10)
NarrativeCode	Narratives/Narrative/code		Char(2)

NarrativeDescription	Narratives/Narrative/description		Char(100)
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Bankruptcy

JAVA OBJECT FIELD	XML ELEMENT – USBANKRUPTCIES/USBANKRUPTCY/	DESCRIPTION	FIELD FORMAT/SIZE
CourtCustomerNumber	CourtId/CustomerNumber		Char(10)
CourtCustomerName	CourtId/Name		Char(30)
CaseNumber	CaseNumber		Char(42)
DateFiled	ExpandedDateFiled	MM/DD/CCYY	Char(10)
DispositionCode	Disposition/code		Char(1)
DispositionDescription	Disposition/description		Char(30)
LiabilityAmount	LiabilityAmount		Char(11)
DateVerified	ExpandedVerificationDate	MM/DD/CCYY	Char(10)
DateReported	ExpandedDateReported	MM/DD/CCYY	Char(10)
NarrativeCode	Narratives/Narrative/code		Char(2)
NarrativeDescription	Narratives/Narrative/description		Char(100)

Section 7. Interface Assumptions and Dependencies

7.1. Assumptions

#	Assumption
	Operational Assumptions
1	<i>COD system will sent a credit request in a xml format that corresponds to the new Equifax guidelines.</i>
2	<i>COD system is configured to send credit requests to Equifax via HTTPS POST.</i>
3	<i>Credit Check failures including HTTPS transmission errors will be captured by existing Operations processes on COD Servers.</i>
	Functional Assumptions
1	<i>COD Database contains information needed to create and send XML request file.</i>
2	<i>COD will process the XML response file.</i>

7.2. Dependencies

No interface dependencies have been identified for this interface. However, Credit Check is dependent on the System managed by the Equifax and COD is dependent on the network managed by the TSYS.

Appendix A - Acronyms and Abbreviations

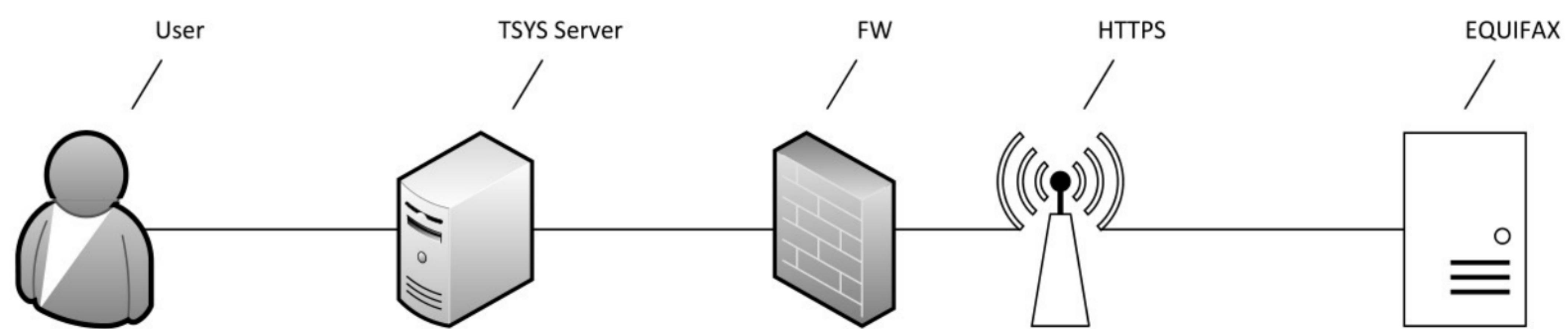
ACRONYM	DEFINITION

Table A-1: Acronyms and Abbreviations

Appendix B - Glossary

TERM	DEFINITION

Table B-1: Glossary



**FMS GL Cash file "FSA Servicer Monthly
Summary General Ledger Journal Lines COD
Cash in G5" (FMS-COD)
Interface Control Document**

Version 6 • 11/22/2021

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	12/07/2017	Danielle Brown	R17.1 as part of the Reconciliation CR
1.1	12/18/2017	Juan Diaz	TA additions
1.2	01/08/2018	Oscar Garza	TO additions
2.0	02/09/2018	Danielle Brown	Updated based on additional information received from FSA
3.0	03/08/2018	Danielle Brown	Updated the table names.
4.0	05/23/2018	Eva Hogan	Updated file location.
5.0	10/26/2021	Meet Patel Amy Lebrecht	Updated file layout to include UEI
6.0	11/22/2021	Meet Patel Amy Lebrecht	Updated version number and footer

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Section 1. Interface Control Specification

Interface Name	FMS GL Cash file "FSA Servicer Monthly Summary General Ledger Journal Lines COD Cash in G5" (FMS-COD)
Interface Type	Uni-directional
Interface Short Description	This interface is for the transfer of the FMS GL Cash data reported for the month at hand to be used for the Monthly Reconciliation Report.
Requesting (Source) Application	FMS
Responding (Receiving or Destination) Application *	COD System
Technical Requirement References	<p><u>Target Directory / File Name:</u></p> <p>(prod) /apps/batch/staging/recon/COD.MON.GLLNCASH.DYYYYMMDD.THH MMSS.RXXX</p> <p>(test) /acn/ist/staging/recon/COD.MON.GLLNCASH.DYYYYMMDD.THHMM SS.RXXX</p> <p><u>Message Classes:</u></p> <p>Production: PDTG5COP Test: TDTG5COP</p> <p><u>COD Mailboxes:</u></p> <p>Production: TG71900 Test: TGS2700</p> <p><u>FMS Mailboxes:</u></p> <p>Production: TGC0358 Test: TGF4949</p>
Interface Usage Frequency	This interface is batch interface and allows for records to be sent once a month. There will be capabilities for multiple files to be transferred per day on an ad hoc basis.
Interface Usage Volume	Average of 41,776 records each month (size 6722 KB)

Section 2. Interface Overview

2.1. Flow Diagram

2.2. Flow Diagram Description

1. FMS will create the GL Cash file
2. FMS will transmit the GL Cash file to COD's TG Mailbox on SAIG
3. The ESB BUS will route the file from COD's TG Mailbox to the COD server
4. The COD system will receive and process the FMS GL Cash file

2.3. Usage Scenarios

FMS extracts the FMS GL Cash file and sends it to COD via SAIG.

Section 3. System Information

3.1.1. Source System (FMS) Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	HP	HP-UX	11i
2	Operating System	HP	HP-UX	11i
3	DBMS	Oracle	Oracle Financials	10.2.0.3
4	Transmission Protocol	IBM	WebSphere MQ	6.0

3.1.2. Destination System (COD) Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	HP	Midrange Server	DL580
2	Operating System	Red Hat	Red Hat Enterprise Linux Server	6.9
3	Transmission Protocol	IBM	WebSphere MQ	8.0.0.5

3.1.3. SAIG System Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	VDC	Linux VM ESXi 6.0	6.0
2	Operating System	Red Hat	Red Hat Linux 5.11	5.11
3	DBMS	Oracle	Oracle Enterprise Database	11.2.0.4
4	Transmission Protocol	bTrade	TDN Transaction Delivery eEngine	3.2

3.1.4. Destination System (COD) Additional Information

#	Type	
1	Production System Location	Columbus, GA
2	Contracting Organization	Accenture/AWS
3	Developer Location	Washington, DC

3.1.5. SAIG System Additional Information

#	Type	
1	Production System Location	Federal Student Aid Virtual Data Center
2	Contracting Organization	Collabralink
3	Developer Location	Mclean, VA/ Iowa City, IA

Section 4. Interfacing System Responsibilities

4.1. Requesting (or Source) System Responsibilities

FMS Functional Specifications

#	Description
1	FMS shall extract the FMS GL Cash data from their Cash records to send in the "FSA Servicer Monthly Summary General Ledger Journal Lines COD Cash in G5" file sent from FMS to COD.
2	The extracted data shall be saved to the "FSA Servicer Monthly Summary General Ledger Journal Lines COD Cash in G5" file in a comma-delimited with headers file format.
3	The "FSA Servicer Monthly Summary General Ledger Journal Lines COD Cash in G5" file shall be sent to the COD System via the SAIG Mailbox.

4.2. Responding (Receiving or Destination) System Responsibilities

COD Functional Specifications

#	Description
1	The COD System shall accept the FMS GL Cash file "FSA Servicer Monthly Summary General Ledger Journal Lines COD Cash in G5" via the SAIG Mailbox by the 6 th business day of each month.
2	COD will process the FMS GL Cash file as part of the automated reconciliation procedure.

Section 5. File Specification

[This section contains structure for a fixed, flat data length. If using XML then replace with XML specification]

Header Record:

Column Number	Data Element	Description	Field Format	Length	Start Position	End Position
1	SAIG Batch Header Identification Number	Constant "O*N05"	A/N	5	1	5
2	Header Destination Number	Production: TG71900 Test: TGS2700	A/N	7	6	12
3	Constant spaces	Unused	A	7	13	19
4	Header Class Label	Constant: ",CLS="	A/N	5	20	24
5	Header Message Class	Production: PDTG5COP Test: TDTG5COP	A/N	8	25	32
6	Header XXX Label	Constant: ",XXX"	A/N	4	33	36
7	Text used to identify the next field in a Batch ID	Constant: ",BAT="	A/N	5	37	41
8	Header Batch ID	Batch ID up to 50 characters	A/N	50	42	92
9	Comma	,	N	1	93	93
10		Total Length		93		

Detail Record:

Column Number	Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
1.	Net Amount	Sample Value: -1567.50 (note that it can include a decimal with cents and it is the only field in the Detail Record that does not have quotation marks around it)	NUMBER	17	N/A	N/A	Required
2.	GAPS Transaction ID	Sample Value: "GO2016122009093273"	VARCHAR2	25	N/A	N/A	Required
3.	GAPS Award Number	Sample Value: "P268K20171002"	VARCHAR2	25	N/A	N/A	Required
4.	Fund	Sample Value: "4253XNY"	VARCHAR2	25	N/A	N/A	Required
5.	Account	Sample Value: "135003"	VARCHAR2	25	N/A	N/A	Required
6.	Limitation	Sample Value: "A10"	VARCHAR2	25	N/A	N/A	Required
7.	Source Code	Sample Value: "GP"	VARCHAR2	25	N/A	N/A	Required
8.	Period-Name	Sample Value: "Dec-17"	VARCHAR2	25	N/A	N/A	Required

Column Number	Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
9.	Confirmation Date	Sample Value: "2016122056764"	VARCH AR2	25	N/A	N/A	Optional
10.	Item Number	Sample Value: "CD_DDLO"	VARCH AR2	25	N/A	N/A	Required
11.	Transaction Code	Sample Value: "CD_DDLO"	VARCH AR2	25	N/A	N/A	Optional
12.	Header Status	Sample Value: "P"	VARCH AR2	25	N/A	N/A	Required
13.	Posted Date	Sample Value: "dd-mon-ccyy" "21-Dec-2016"	DATE	11	N/A	N/A	Required
14.	Effective Date	Sample Value: "dd-mon-ccyy" "21-Dec-2016"	DATE	11	N/A	N/A	Required
15.	Grantee DUNS	Sample Value: "018543111:1"	VARCH AR2	25	N/A	N/A	Optional
16.	Cohort Year	Sample Value: "CN"	VARCH AR2	25	N/A	N/A	Required
17.	Grantee UEI	Sample Value: "0433GD9332L7"	VARCH AR2	12	N/A	N/A	Required

Trailer Record:

Column Number	Data Element	Description	Field Format	Length	Start Position	End Position
---------------	--------------	-------------	--------------	--------	----------------	--------------

1	SAIG Batch Trailer Identification Number	Constant "O*N95"	A/N	5	1	5
2	Header Destination Number	Production: TG71900 Test: TGS2700	A/N	7	6	12
3	Constant spaces	Unused	A	7	13	19
4	Trailer Class Label	Constant: ",CLS="	A/N	5	20	24
5	Trailer Message Class	Production: PDTG5COP Test: TDTG5COP	A/N	8	25	32
6	Trailer XXX Label	Constant: ",XXX"	A/N	4	33	36
7	Text used to identify the next field in a Batch ID	Constant: ",BAT="	A/N	5	37	41
8	Trailer Batch ID	Batch ID up to 50 characters	A/N	50	42	92
9	Comma	,	N	1	93	93
10		Total Length		93		

Section 6. Interface Assumptions and Dependencies

6.1. Assumptions

#	Assumption
	Operational Assumptions
1	Existing Batch Job Scheduling mechanisms will schedule the initiation of the FMS GL Cash file.
2	Batch job failures will be captured by existing Operations mechanisms on the COD servers.
3	SAIG provides a message to securely exchange batch data between FMS and COD.
	Functional Assumptions
1	FMS shall send the "FSA Servicer Monthly Summary General Ledger Journal Lines COD Cash in G5" file on the 6 th business day of each month.
2	COD will receive and process the FMS GL Cash file.

6.2. Dependencies

#	Dependencies
1	No dependencies have been identified for this interface. However, FMS and ESB are dependent on the network and Data Center managed by the VDC and COD is dependent on the network managed by AWS.

Appendix A - Acronyms and Abbreviations

ACRONYM	DEFINITION

Table A-1: Acronyms and Abbreviations

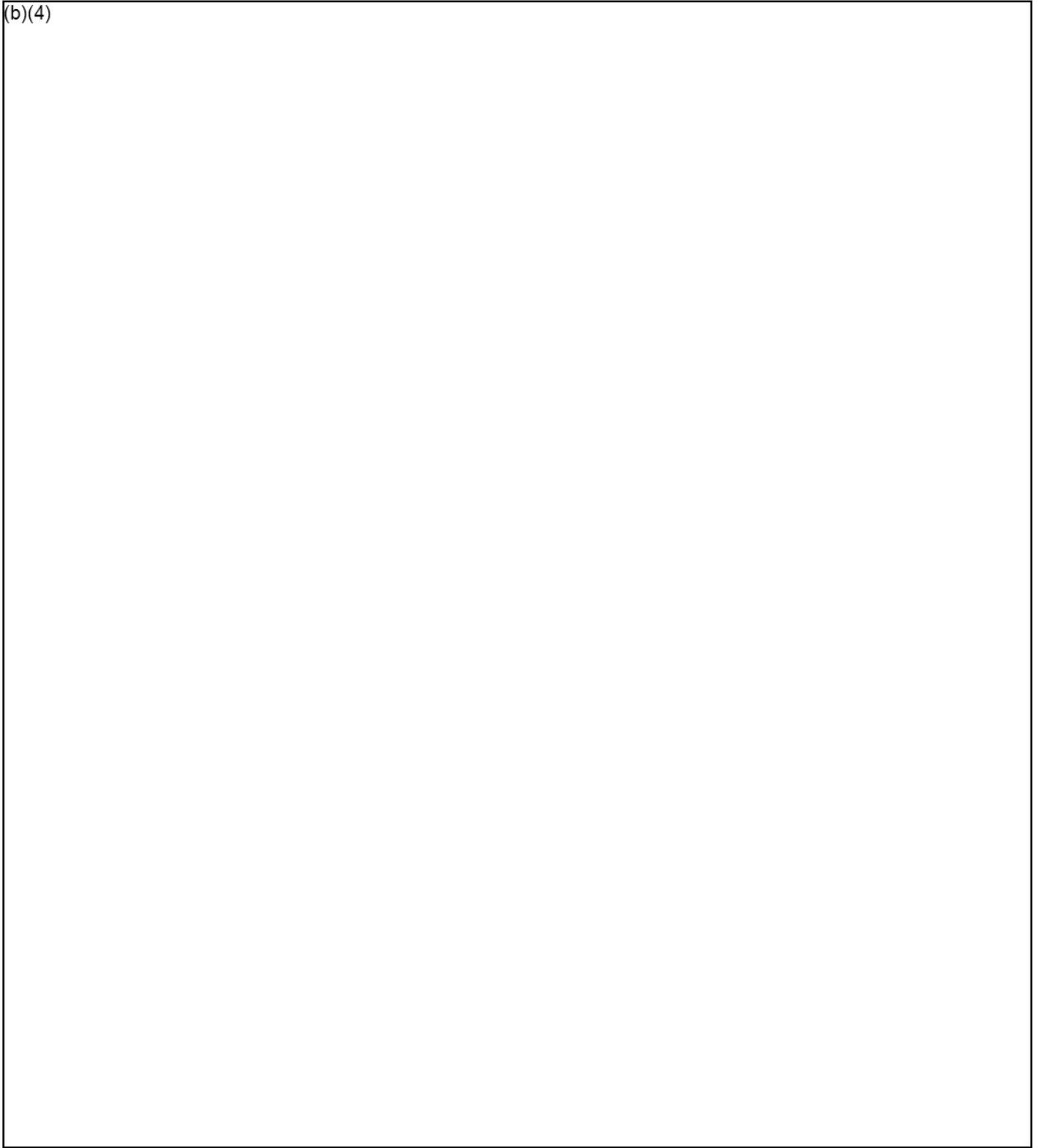
Appendix B - Glossary

TERM	DEFINITION

Table B-1: Glossary



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COD – G5 **G5 Adjustment File Send** **Interface Control Document**

Version 2.0
Release 20.0

March 31, 2021

Document Version Control

Version	Date	Description
1.0	January 3 rd , 2019	Version 1.0 is for the updates for processing the 2020-2021 Award Year and Release 19.0.
2.0	March 31, 2021	Version 2.0 is for the updates for processing the 2021-2022 Award Year and Release 20.0

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1. Purpose

The purpose of this document is to describe the interface between COD, FMS and G5 for the COD-G5 G5 Adjustment File Send.

2. Interface Control Specification

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

Interface Name:	COD-G5 G5 Adjustment File Send
G5 Program Name:	EDCAPS
Interface Type:	Uni-directional
Interface Short Description	<p>This interface replaced the manual process that FSA users must perform to create manual updates on the G5 system with a DOS file.</p> <p>The COD System shall allow authorized FSA users to create and stage records to adjust Program funding amounts in specified years. Records shall be created on the COD Website and staged on the COD System. Every hour, staged records shall be packaged in an outbound file and sent to the FMS SAIG Mailbox.</p> <p>ESB shall be responsible for removing SAIG header and trailer records from each transmitted file.</p> <p>FMS shall be responsible for forwarding on files in the appropriate mailbox to the G5 system for processing. In order to maintain a heightened level of security around the sensitive information stored in the file, FMS shall not open or change the files in any manner while re-routing them to the G5 System.</p> <p>G5 shall accept the files when received and shall process an acknowledgement (as it does currently) that is transmitted back through the normal G5-FMS-COD interface. Refer to the <i>FMS to COD ICD (LMTD)</i> for all relevant interface protocol for this process.</p>

Destination Application:	<p>G5 is the destination application that shall receive the G5 Adjustment transactions via FMS created by authorized users on the COD Web site. The FMS mailboxes that receive the G5 files from COD are as follows:</p> <ul style="list-style-type: none"> • Production: <ul style="list-style-type: none"> ○ FMS MB ID: TG79363 • Test <ul style="list-style-type: none"> ○ FMS MB ID: TG79362
Destination Interface:	G5
Source Application:	<p>COD is the source application that shall create and send the manual funding transactions. Authorized users shall initiate the creation of manual funding records and the COD System shall sweep and send those records to the G5 system via FMS on a scheduled interval. These files will be sent with the following message classes from COD to the FMS SAIG Mailbox:</p> <ul style="list-style-type: none"> • Production: <ul style="list-style-type: none"> ○ COD MB ID: TG71900 ○ MC: CODG5POP • Test <ul style="list-style-type: none"> ○ COD MB ID: TGS2700 ○ MC: CODG5TOP <p>Refer to section 7.2 File Naming Convention for file names corresponding to each of the different file types associated to this interface. The Source Application (COD System) shall build a unique file for every Transaction Type (OB/PY vs RF) and Program Type (DL, PELL, IASG, TEACH).</p>
Source Interface:	eduptcftp01.ed.gov

<p>Interface Usage Frequency:</p>	<p>The interface is used on-demand and shall be initiated every time a user successfully stages a G5 Adjustment File for send via COD Web.</p> <p>Frequency of file sweeps shall occur on an hourly interval 24 hours a day, excluding federal holidays. File transmissions shall occur if records are picked up during the file sweep. If no records are found no transmission will occur.</p> <p>FMS shall accept and forward inbound files with any new manual adjustment records to G5 every hour.</p> <p>G5 shall accept and process inbound files with any new manual adjustment records every hour.</p> <p>If the processing day is the last day of the Government Fiscal Year, then the frequency of file transmissions from COD shall be increased to occur multiple times per hour every hour of the day, however, FMS and G5 shall be responsible for processing all on demand transmissions that occur during this time frame. FSA’s Internal Control Division will be responsible for notifying FMS and G5 for on-demand scheduling.</p>
<p>Interface Usage Volume:</p>	<p>Current usage yields approx. 100 messages annually</p> <p>Estimated to yield approx. 100 messages annually</p>

2.1 Interface Overview

Figure 1: High Level Flow Diagram

2.2 Interface Flow Diagram Description

The following procedure outlines the path of the message through the new COD-G5 interface.

1. User successfully logs into their account on the COD Web website.
2. User navigates the COD Web site and creates a G5 adjustment record for a particular school/program/award year.
3. User confirms and submits the G5 Adjustment record to the COD System for processing.
4. G5 Adjustment records are staged on the COD System for send processing.
5. G5 Adjustment records are loaded into an outbound send file(s).

6. After the next sweep, the staged outbound file(s) is sent out of the COD System to the FMS SAIG mailbox with the appropriate message class via the ESB.
 - Message Class Definitions:
 - i. Production Environment = CODG5POP
 - ii. IST Environment = CODG5TOP
7. ESB shall strip the SAIG Header and Trailer records from each file and transmits the file to FMS.
8. FMS forwards the files to G5.
9. G5 accepts and processes file.
10. G5 creates and sends G5 acknowledgment through standard G5-FMS-COD processing. Refer to the *FMS to COD ICD (LMTD)* for all relevant interface protocol for this process.

3. System Responsibilities

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

System Responsibilities
COD Data Responsibilities
COD Web site shall allow users to log into their COD Web accounts with their COD Web site username and password.
Authorized users shall create G5 Adjustment records for processing.
COD web shall stage newly created G5 Adjustment records on the COD System.
The COD System shall sweep all staged (unprocessed) records and load into an outbound file every hour.
The COD System shall send the outbound file to FMS via SAIG.
SAIG Data Routing Responsibilities
SAIG shall host the mailbox where the G5 Adjustment Files will be stored prior to FMS processing.
FMS Data Routing Responsibilities
FMS shall provide an intermediate link between COD and G5 for the G5 Adjustment file.
ESB File Handling Responsibilities
ESB shall strip the transmitted files of all SAIG header and trailer records.

G5 Data Responsibilities
G5 shall receive the G5 Adjustment file(s) from FMS.
G5 shall extract the records in the order that they are sent and load all adjustment funding records into the G5 system.

4. System Identification

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

System Identification Information	
Type	Location
COD	
Production System Location	Columbus, GA
Contracting Organization	Accenture/TSYS
Developer Location	Washington, DC
G5	
Production System Location	Plano, TX
Contracting Organization	QSSI
Developer Location	Washington, DC
FMS System Additional Information	
Production System Location	Plano, TX
Contracting Organization	DELL Systems
Developer Location	Washington, DC
SAIG System Additional Information	
Production System Location	Federal Student Aid Virtual Data Center

Contracting Organization	Collabralink
Developer Location	McLean, VA/ Iowa City, IA

5. 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
COD			
Production Platform	HP	Midrange Server	DL580
Operating System	Red Hat	Red Hat Enterprise Linux Server	6
Transmission Protocol	IBM	WebSphere MQ	7.5.0.5
G5			
Production Platform	Dell	Poweredge Series	Poweredge7 and Poweredge9
Operating System	Red Hat	Red Hat Enterprise Linux server	6.8 and 7.2
Transmission Protocol	OpenSSL	OpenSSH SFTP	OpenSSH_6.0p1, OpenSSL 1.0.2j
FMS			

Production Platform	Dell	Linux	R12.2.4
Operating System	Dell	Linux	Redhat Enterprise 5
DBMS	Oracle	Oracle Financials R12	Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production
Transmission Protocol	IBM	WebSphere MQ	6.0
SAIG			
Production Platform	VDC	Linux VM	ESXi 6.0
Operating System	Red Hat	Red Hat Linux	5.11
Database	Oracle	Enterprise DB	11.2.0.4
Transmission Protocol	bTrade	TDN Transaction Delivery eNgine	3.2

6. Interface Assumptions and Dependencies

Interface Assumptions
Operational Assumptions
The SAIG architecture is configured to support the transfer of data from COD to G5 via FMS.
Job failures including errors generated by the SAIG adapters will be captured by Operations.

Functional Assumptions
COD will schedule and send records to G5 via FMS in an outbound file on a pre-scheduled basis.
COD will perform record level validation to ensure outbound records are formatted correctly.
COD will perform file level validation to ensure outbound files are formatted correctly.
G5 will not create or send a response file on receipt of the original response message from COD.
G5 will perform record level validation to ensure inbound records are formatted correctly.
G5 will perform file level validation to ensure inbound files are formatted correctly.
All G5 Acknowledgements for G5 Adjustment files shall be sent to FMS and then to COD through the existing G5-FMS-COD interface.
No changes shall be made to the processing of G5 acknowledgements by COD, FMS or G5.
FMS will forward G5 Adjustment files without conducting any formal processing.
The ACCS line in the G5 Adjustment file will not be modified during the file transfer process.
COD will process and send files in the order that they are generated.
If COD fails to run the sweep on time, a catch up file will be sent with the following sweep.
ESB will remove the SAIG header and trailer records from all files transmitted to G5.

Interface Dependencies
COD is dependent on the network managed by TSYS.
G5 is dependent on the network managed by Dell.
FMS is dependent on the network managed by Dell.

7. Business Rules and Logic

The following section outlines the business rules, validation logic and record layouts for the messages to be used within the new COD-G5 interface.

7.1 Business Rules

Field format	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 according to business rules per field.

7.2 File Naming Convention

Transaction Type	Program Type	File Name
Payment	Direct Loan	G5.FUND.ADJ.DL.OBPY.yyyyMMddHHmmss.Rxxxxxx
Obligation/Payment	PELL	G5.FUND.ADJ.PL.OBPY.yyyyMMddHHmmss.Rxxxxxx
Obligation/Payment	IASG	G5.FUND.ADJ.AI.OBPY.yyyyMMddHHmmss.Rxxxxxx
Payment	TEACH	G5.FUND.ADJ.TH.OBPY.yyyyMMddHHmmss.Rxxxxxx

Transaction Type	Program Type	File Name
Refund	Direct Loan	G5.FUND.ADJ.DL.RF.yyyyMMddHHmmss.Rxxxxxx
Refund	PELL	G5.FUND.ADJ.PL.RF.yyyyMMddHHmmss.Rxxxxxx
Refund	IASG	G5.FUND.ADJ.AI.RF.yyyyMMddHHmmss.Rxxxxxx
Refund	TEACH	G5.FUND.ADJ.TH.RF.yyyyMMddHHmmss.Rxxxxxx

7.3 Validation Logic

Type	Description
File Types	<p>The COD System shall create separate file types based on the record types created to send.</p> <p>Each program type shall be sent to FMS/G5 in a unique file.</p> <p>Obligation (OB) and Payment (PY) Record types shall be sent to FMS/G5 in a unique file.</p> <p>Refund (RF) records shall be sent to FMS/G5 in a unique file.</p> <p>Therefore, all possible File Types shall be:</p> <ol style="list-style-type: none"> 1. PY – Direct Loan 2. OB/PY – PELL 3. OB/PY – IASG 4. PY – TEACH 5. RF – Direct Loan 6. RF – PELL 7. RF – IASG 8. RF – TEACH
Record Validation	<p>The record types shall be organized within each file in the following order:</p> <ol style="list-style-type: none"> 1. G5 Header Record (one record per file): <ul style="list-style-type: none"> • Run Date should be a date field in YYYYMMDD format • System ID should be one of the valid values: BB, DIRECTLOAN, TEACH • The Batch Number, Run Date, Run Time and the System ID fields will be used to verify whether a file has already been processed. 2. Transaction Record (one or many records per file): <ul style="list-style-type: none"> • Transaction Date should be a date field in YYYYMMDD format

Type	Description
	<ul style="list-style-type: none"> • CFDA Number, CFDA Subprogram ID, Subprogram Fiscal Year should already exist in G5 • Award Type should be one of these PL, DL, TH • Effective Date should be a date field in YYYYMMDD format • Project Start Date should be a date field in YYYYMMDD format • Project End Date should be a date field in YYYYMMDD format <p>3. G5 Trailer Record (one record per file):</p> <ul style="list-style-type: none"> • "Total Records" field value should match the total records in the file, excluding Header, Trailer, and Z-Transmission records • "Total Amount" field value should match the sum of the absolute values of the individual transaction amounts. <p>4. G5 Z-Transmission Record (one record per file):</p> <ul style="list-style-type: none"> • "Total Records" field value should match the sum of all records in the file, including Header, Trailer & Transmission. • "Total Amount" field's value should match the sum of the absolute values of the individual transaction amounts. <p>Transaction amount should be numeric</p>
Exception Processing	Moves the file to the error directory and sends an email notification to G5 Feeder distribution list
Processing Logic	Validates the Header, Trailer, Z-Transmission, and Transaction records. G5 processes the file on successful validations.

7.4 Record Layout

SAIG File Header Record					
Start	End	Length	Type	Description	Valid Value
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N05"
6	12	7	A/N	Header Destination Number	'TG79363' FMS TG Mailbox
13	19	7	A	Unused	Constant spaces
20	24	5	A/N	Header Class Label	Constant: ",CLS="
25	32	8	A/N	Header Message Class	Format = CODG5POP (Production), or CODG5TOP (IST)
33	36	4	A/N	Header XXX Label	Constant: ",XXX"
37	41	5	A/N	Text used to identify the next field in a Batch ID	Constant: ",BAT="
42	58	17	A/N	Header Batch label	Batch ID: "CCYYMMDDhhmmssff"
59	64	6	A/N	Header Batch ID	Constant: ",NCT ="
65	70	6	N	Header NCNT Label	"000000"

G5 Header & Trailer Records						
Field Name	Field Number	Field Position	Field Type	Field Size	Required Field	Description
Record Type	1	1	A	1	R	Constant: 'H' - For Header record. Constant: 'T' - For Trailer record
Batch Number	2	2-4	A/N	3	R	The Batch Number, Run Date and the System ID fields will be used by G5 to verify whether a file has already been processed.
System ID	3	5-14	A	10	R	System ID should be one of the valid values based on Program Type: Pell/IASG - = BB Direct Loan= DIRECTLOAN Teach = TEACH
Run Date	4	15-22	N	8	R	Date field. Format YYYYMMDD
Run Time	5	23-28	N	6	R	System time in HHMMSS format
Total Records	6	29-34	A/N	6	O	Header: Blank Trailer: The sum of all records in the file
Total Amount	7	35-51	A/N	17, 2	O	Header: Blank Trailer: Total amount of the transactions in the output file. This field is the sum of the absolute values of the individual transaction amounts.

SAIG File Header Record					
Start	End	Length	Type	Description	Valid Value
		70		Total Record Length	

G5 Transaction Records – OB and PY						
Field Name	Field Number	Field Position	Field Type	Field Size	Required Field	Description
Transaction Type	1	1-2	A	2	R	"OB" – Obligations "PY" – Payments
Transaction Date	2	3-10	N	8	R	Date field. Format YYYYMMDD.
PO Indicator	3	11-11	A	1	R	PO Code: First part of G5 Award Number Constant: "P"
CFDA Number	4	12-14	N	3	R	CFDA Number: Second part of G5 Award Number Valid Values are as follows: PL = 063 IASG = 408 DL = 268 TH = 379
CFDA Subprogram ID	5	15-18	A	4	R	Subprogram ID letter (currently only one letter used in award numbers: should be left justified and padded with spaces); third part of G5 Award Number Valid Values are as follows: PL = 'P ' or 'Q ' (for ACA transactions) IASG = 'A ' DL = 'K '

G5 Transaction Records – OB and PY						
Field Name	Field Number	Field Position	Field Type	Field Size	Required Field	Description
						TH = 'T '
Subprogram Fiscal Year	6	19-22	N	4	R	<p>Selected Award Year.</p> <p>For Pell/IASG, this is the leading award year. e.g., For the 2021-2022 Award Year, use 2021.</p> <p>For DL/TEACH, this is the trailing award year. e.g., For the 2021-2022 Award Year, use 2022.</p>
Award ID	7	23-26	N	4	R	Award ID number; right justify within the output field; zero fill; fifth part of G5 Award Number. This field is equivalent to the COD G5 Sequence Number.
Fiscal Year	8	27-30	N	4	R	Funding Fiscal Year: First part of G5 account code
Object Class	9	31-35	A	5	R	Object Class Code: Fifth part of G5 account code
Organization Code	10	36-43	A	8	R	Organization Code: Third part of G5 account code. Field should be right padded with '0's to fill out required length of 8 spaces.
Limitation Code	11	44-46	A	3	R	Limitation Code: Forth part of G5

G5 Transaction Records – OB and PY						
Field Name	Field Number	Field Position	Field Type	Field Size	Required Field	Description
						account code. A part of the three different categories which a former Project Code which was broken down into.
Activity Code	12	47-49	A	3	R	Activity Code: Sixth part of G5 account code. A part of the three different categories which a former Project Code which was broken down into.
CFDA Code	13	50-52	N	3	R	CFDA Code: Seventh part of G5 account code. A part of the three different categories which a former Project Code which was broken down into. Valid Values are as follows: PL = 063 IASG = 408 DL = 268 TH = 379
Reverse Code	14	53	N	1	R	Code used to indicated the type of transaction action: 1 - Indicates a normal debit/credit 2 - Indicates a reversed debit/credit action

G5 Transaction Records – OB and PY						
Field Name	Field Number	Field Position	Field Type	Field Size	Required Field	Description
Amount	15	54-67	N	14	R	Dollar amount of the transaction. Right two positions are cents. Field is right justified, zero filled. The decimal position is implied.
Grantee DUNS Number	16	68-78	A/N	11	R	Unique DUNS for the Grantee.
Grantee DUNS Type Code	17	79	A/N	1	R	DUNS type code for the grantee. 1 - Organization
Effective Date	18	80-87	N	8	R	The effective date of the transaction in YYYYMMDD format. (usually an obligation, but payments can be future dated as well)
Payee DUNS Number	19	88-98	A/N	11	O	Set to blank.
Payee DUNS Type Code	20	99	A/N	1	O	Set to blank.
Award Type	21	100-101	A	2	R	Valid Values include: IASG = IG Pell = PL Direct Loan = DL Teach = TH
Project Start Date	22	102-109	N	8	R	The Project Start Date in YYYYMMDD format. This field will be set to January First of the Subprogram Fiscal Year.

G5 Transaction Records – OB and PY						
Field Name	Field Number	Field Position	Field Type	Field Size	Required Field	Description
Project End Date	23	110-117	A/N	8	O	The Project End Date in YYYYMMDD format. This will be set to the Latest Drawdown Date, based on Program and Award Year.
Budget Fiscal Year	24	118-121	N	4	R	Budget Fiscal Year: Second part of G5 account code.
Cohort Year	25	122-125	N	4	R	Cohort Year: Eighth part of G5 accounting code
Sector	26	126	A	1	R	Sector: Ninth part of G5 account code. Constant – “N”
Payment Source	27	127-128	A	2	O	Payment source is set to LO for DL, TH. Blank for IASG, Pell
FSA Tran ID	28	129-168	A	18	R	COD - G5 Transaction ID The First two digits of the FSA Tran ID will be as follows: IASG = IG Pell = PL Direct Loan = DL TEACH = TH

G5 Transaction Records – Refunds						
Field Name	Field Number	Field Position	Field Type	Field Size	Required Field	Description
Transaction Type	1	1-2	A	2	R	"RF" - Refund transaction
Transaction Date	2	3-10	N	8	R	Date field. Format YYYYMMDD.
PO Indicator	3	11	A	1	R	PO Code: First part of G5 Award Number Constant: "P"
CFDA Number	4	12-14	N	3	R	CFDA Number: Second part of G5 Award Number Valid Values are as follows: PL = 063 IASG = 408 DL = 268 TH = 379
CFDA Subprogram ID	5	15-18	A	4	R	Subprogram ID letter (currently only one letter used in award numbers: should be left justified and padded with spaces); third part of G5 Award Number PL = 'P ' or 'Q ' (for ACA transactions) IASG = 'A ' DL = 'K ' TH = 'T '
Subprogram Fiscal Year	6	19-22	N	4	R	Selected Award Year. For DL/TEACH utilize leading award year. For Pell/IASG use trailing award year.
Award ID	7	23-26	N	4	R	Award ID number; right justify within the output field; zero fill; fifth part of G5 Award Number

G5 Transaction Records – Refunds						
Field Name	Field Number	Field Position	Field Type	Field Size	Required Field	Description
Fiscal Year	8	27-30	N	4	R	Funding Fiscal Year: First part of G5 account code
Object Class	9	31-35	A	5	R	Object Class Code: Fifth part of G5 account code
Organization Code	10	36-43	A	8	R	Organization Code: Third part of G5 account code. Field should be right padded with '0's to fill out required length of 8 spaces.
Limitation Code	11	44-46	A	3	R	Limitation Code: Forth part of G5 account code. A part of the three different categories which a former Project Code which was broken down into.
Activity Code	12	47-49	A	3	R	Activity Code: Sixth part of G5 account code. A part of the three different categories which a former Project Code which was broken down into.
CFDA Code	13	50-52	N	3	R	CFDA Code: Seventh part of G5 account code. A part of the three different categories which a former Project Code which was broken down into. Valid Values are as follows: PL = 063 IASG = 408 DL = 268 TH = 379

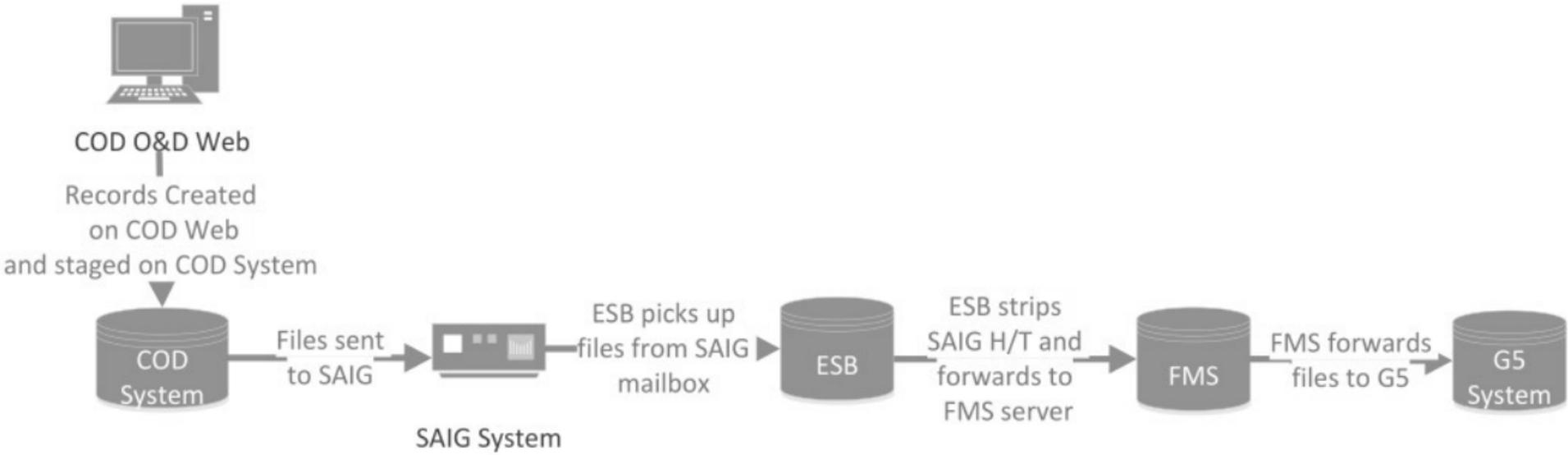
G5 Transaction Records – Refunds						
Field Name	Field Number	Field Position	Field Type	Field Size	Required Field	Description
Reverse Code	14	53	N	1	R	Code used to indicated the type of transaction action: 1 - Indicates a normal debit/credit 2 - Indicates a reversed debit/credit action
Amount	15	54-67	N	14	R	Dollar amount of the transaction. Right two positions are cents. Field is right justified, zero filled. The decimal potion is implied.
Grantee DUNS Number	16	68-78	N	11	R	Unique DUNS for the Grantee.
Grantee DUNS Type Code	17	79	N	1	R	Constant: 1 - Organization
Effective Date	18	80-87	N	8	R	The effective date of the transaction in YYYYMMDD format. (usually an obligation, but payments can be future dated as well)
Payee DUNS Number	19	88-98	A/N	11	O	Unique DUNS for the payee Leave blank
Payee DUNS Type Code	20	99	A/N	1	O	DUNS type code for the payee Leave blank
Award Type	21	100-101	A	2	R	Valid Values include: IASG = IG Pell = PL Direct Loan = DL Teach = TH

G5 Transaction Records – Refunds						
Field Name	Field Number	Field Position	Field Type	Field Size	Required Field	Description
Project Start Date	22	102-109	N	8	R	The Project Start Date in YYYYMMDD format. This field will be set to January First of the Subprogram Fiscal Year.
Project End Date	23	110-117	N	8	O	The Project End Date in YYYYMMDD format. This will be set to the Latest Drawdown Date, based on Program and Award Year.
Office Finance Code	24	118-129	A	12	R	Constant: "DSLPCOLL7" if award type = DL, TH if transaction type = RF. Otherwise, it will be blank.
Cohort Year	25	130-133	N	4	R	Cohort Year: Eighth part of G5 accounting code. The previous Function Code.
Schedule Number	26	134-139	A/N	6	R	SF215 Schedule Number.
Budget Fiscal Year	27	140-143	N	4	R	Budget Fiscal Year: Second part of G5 account code.
Sector	28	144	A	1	R	Sector: Ninth part of G5 account code. Constant – "N"
FSA Tran ID	28	145-163	A	19	R	COD - G5 Transaction ID The First two digits of the FSA Tran ID will be as follows: IASG = IG Pell = PL Direct Loan = DL TEACH = TH

G5 Z-Transmission Records						
Field Name	Field Number	Field Position	Field Type	Field Size	Required Field	Description
Record Type	1	1	A	1	R	Constant: 'Z' – For Transmission Record.
Interface Type	2	2-11	A	10	R	Constant: 'TRANSTRAIL'.
Run Date	3	12-19	N	8	R	The System Date in YYYYMMDD format. Should be the same date as is entered in the Header record.
Run Time	4	20-25	N	6	R	System time in HHMMSS format. Should be the same time as is entered in the Header record.
Total Records	5	26-31	N	6	R	The sum of all records in the file including Header, Trailer & Transmission.
Total Amount	6	32-48	N	17, 2	R	Total amount of the transactions in the output file. This field is the sum of the absolute values of the individual transaction amounts.

SAIG File Trailer Record					
Start	End	Length	Type	Description	Valid Value
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N95"
6	12	7	A/N	Trailer Destination Number	'TG79363' FMS TG Mailbox
13	19	7	A	Unused	Constant spaces

SAIG File Trailer Record					
Start	End	Length	Type	Description	Valid Value
20	24	5	A/N	Header Class Label	Constant: “,CLS= ”
25	32	8	A/N	Trailer Message Class	Format = CODG5POP (Production), or CODG5TOP (IST)
33	36	4	A/N	Trailer XXX Label	Constant: “,XXX”
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: “,BAT= ”
42	58	17	A/N	Trailer Batch label	Batch ID: “CCYYMMDDhhmmssff”
59	64	6	A/N	Trailer Batch ID	Constant: “,NCT = ”
65	70	6	N	Trailer NCNT Label	“000000”
		70		Total Record Length	



FSA Integration Partner

United States Department of Education

Office of Federal Student Aid

COD – NSLDS

Closed School Enrollment Files (Request/Response)

Interface Control Document

Version 4.0

Document Reference:

January 31, 2017

Approval Control Sheet

This Interface Control Document was reviewed and approved by the following individuals:

Diana O'Hara, COD System Manager

Date

Once all the approvers sign this control sheet, this document will be placed under change control and will be updated as designs and development changes are made.

Document Change Control

Date	Author	Version	Change Reference
1/20/2017	Hannah Broderick	1.0	Initial Version
1/23/2017	Hannah Broderick	2.0	Post first ICD review meeting updates
1/25/2017	Hannah Broderick	3.0	Post second ICD review meeting updates
1/26/2017	Hannah Broderick	4.0	NSLDS feedback incorporated
4/28/2017	Hannah Broderick	5.0	Added 'M' as a valid Enrollment Status Code

Interface Control Specification

Interface Name:	COD-NSLDS Closed School Enrollment Files - COD to NSLDS Closed School Enrollment Request File - NSLDS to COD Closed School Enrollment Response File																											
Interface Type:	Bi-Directional																											
Interface Short Description:	<p>This document defines the processes utilized to send the Closed School Enrollment Request File from COD to NSLDS via SAIG and the Enterprise Service Bus (ESB BUS). In the Closed School Enrollment Request File, a list of qualifying Pell Grant recipients impacted by a school closing will be sent from the COD System to NSLDS to retrieve student enrollment data. This file will be extracted and transmitted to NSLDS on an ad hoc basis.</p> <p>Upon receipt of the Closed School Enrollment Request File, NSLDS will extract the enrollment information and transmit the data to COD in the Closed School Enrollment Response File.</p>																											
Requesting Application: or Source Application:	COD is the source application of the Closed School Enrollment Request File. [Closed School Enrollment Request File] <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Environment</th> <th style="width: 15%;">Message Class</th> <th style="width: 40%;">COD Source Directory/File Name</th> <th style="width: 30%;">NSLDS TG Mailbox</th> </tr> </thead> <tbody> <tr> <td>IST</td> <td>PTCSEQOP</td> <td>/apps/batch/staging/nslds-interfaces</td> <td>TGM8700</td> </tr> <tr> <td>Production</td> <td>PGCSEQOP</td> <td>/apps/batch/staging/nslds-interfaces</td> <td>TG53160</td> </tr> </tbody> </table> <p>NSLDS is the source application of the Closed School Enrollment Response File. [Closed School Enrollment Response File] <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Environment</th> <th style="width: 15%;">Message Class</th> <th style="width: 40%;">NSLDS Source Directory/File Name</th> <th style="width: 30%;">COD TG Mailbox</th> </tr> </thead> <tbody> <tr> <td>IST</td> <td>PTCSERIN</td> <td></td> <td>TGS2700</td> </tr> <tr> <td>Production</td> <td>PGCSERIN</td> <td></td> <td>TG71900</td> </tr> </tbody> </table> </p>				Environment	Message Class	COD Source Directory/File Name	NSLDS TG Mailbox	IST	PTCSEQOP	/apps/batch/staging/nslds-interfaces	TGM8700	Production	PGCSEQOP	/apps/batch/staging/nslds-interfaces	TG53160	Environment	Message Class	NSLDS Source Directory/File Name	COD TG Mailbox	IST	PTCSERIN		TGS2700	Production	PGCSERIN		TG71900
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Interface Control Document
 COD-NSLDS Closed School Enrollment Files

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Functional Requirement References:	COD Requirement Definition Documents (RDDs) and CR-3951 Restore Pell Eligibility Due to School Closing.												
Related Unit Test Document:	N/A												
Other Related Interfaces:	COD-NSLDS Send Data File implemented with Release 16.0												
Interface Usage Frequency:	<p>Closed School Enrollment Request File The file exchange will be on ad hoc basis initiated by COD to NSLDS. More than one COD to NSLDS Closed School Enrollment Request File, with different student data, may be sent to NSLDS within one business day. The requests may be sent on Tuesday through Saturday, excluding holidays during the End of Day cycle.</p> <p>Closed School Enrollment Response File This transfer will be followed by the NSLDS to COD Enrollment Response File which is to be sent within one business day of receiving the associated request file. These response may be sent on Monday through Friday, excluding holidays.</p>												
Interface Usage Volume:	<table> <tr> <td>Average Number of Records</td> <td>Various</td> </tr> <tr> <td>Estimated Peak Number of Records</td> <td>3-3.5 million</td> </tr> </table> <p>*Note: COD will produce an initial Enrollment Request File in order to obtain enrollment data for impacted students from applicable schools with a closure date of July 1, 1986 to present.</p>	Average Number of Records	Various	Estimated Peak Number of Records	3-3.5 million								
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Interface Overview- COD-NSLDS LEU Enrollment File Processing

Flow Diagram Description

1. The COD System will initiate a process to create the Closed School Enrollment Request File.
2. The COD System will transmit the Closed School Enrollment Request File over to NSLDS TG Mailbox on SAIG.
3. NSLDS will receive and process the Closed School Enrollment Request File.
4. NSLDS will initiate a process to create the Closed School Enrollment Response File.
5. NSLDS will transmit the Closed School Enrollment Response File over to COD TG Mailbox on SAIG.
6. The ESB BUS will route the Closed School Enrollment Response File from COD TG Mailbox to the COD server.
7. The COD System will receive and process the Closed School Enrollment Response File.

Requesting (COD) System Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	Red Hat	JBoss EAP	6.3.3
2	Operating System	Red Hat	Red Hat Enterprise Linux Server	2.6.32 (RHEL v6.8)
3	DBMS	ORACLE	ORACLE	12.1
4	Transmission Protocol	IBM	WebSphere MQ	7.5.0.6
5	Transmission Software	Metastorm	Data Integrator	4.4.1.9

Responding (NSLDS) Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	IBM	Mainframe Server	Model 9672-R85
2	Operating System	IBM	zOS	1.12
3	DBMS	IBM	DB2	9.1
4	Transmission Protocol	IBM	WebSphere MQ	7.0
5	Transmission Software	Metastorm	Data Integrator	4.4.1

ESB System Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	HP	HP Server	11i
2	Operating System	Red Hat	Red Hat Linux	2.6.18
3	Transmission Software	Metastorm	Data Integrator	4.4.1
4	Transmission Protocol	IBM	WebSphere MQ	7.5.0.5

SAIG System Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	VDC	Linux VM	ESXi 6.0

Interface Control Document
COD-NSLDS Closed School Enrollment Files

2	Operating System	Red Hat	Red Hat Linux	5.11
3	Database	Oracle	Enterprise DB	11.2.0.4
4	Transmission Protocol	bTrade	TDN Transaction Delivery eNgine	3.2

COD Requesting (or Source) System Additional Information

#	Type	
1	Production System Location	Columbus, GA
2	Contracting Organization	Accenture/TSYS
3	Developer Location	Washington, DC

NSLDS Responding (or Destination) System Additional Information

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

ESB System Additional Information

#	Type	
1	Production System Location	Plano, TX
2	Contracting Organization	ESB/PPS and DELL Systems
3	Developer Location	Washington, DC

SAIG System Additional Information

#	Type	
1	Production System Location	Federal Student Aid Virtual Data Center
2	Contracting Organization	Collabralink
3	Developer Location	McLean, VA/ Iowa City, IA

Requesting (or Source) System Responsibilities

COD Functional Specifications (source system)

#	Description
COD to NSLDS Closed School Enrollment Request File	
1	A record in the file will be unique per Student SSN, Student DOB, and Attending School OPE ID combination.
2	A student record with the same Student SSN and Student DOB, but different Attending School OPE ID, may appear multiple times within one Enrollment Request File.
3	The same student record may be sent multiple times in different Enrollment Request Files.
4	The COD System may send multiple Enrollment Request Files before the initial Enrollment Response File is received.

ESB Data Routing Responsibilities

#	Description
1	The ESB will route the Closed School Enrollment Response File to the COD server

Responding (or Destination) System Responsibilities

NSLDS Functional Specifications (target system)

#	Description
NSLDS to COD Closed School Enrollment Response File	
1	A record in the file will be unique per Student SSN, Student DOB (COD), Attending School OPE ID, Request Date, NSLDS Current Student SSN, and NSLDS Student DOB, NSLDS Student First Name, and NSLDS Student Last Name combination.
2	A student record with the same Student SSN and Student DOB (COD), but different Attending School OPE ID, may appear multiple times within one Closed School Enrollment Response File.
3	The same student record may be sent multiple times in different Closed School Enrollment Response Files.
4	NSLDS will only use the provided Student SSN (COD) and Attending School OPE ID fields from the associated Closed School Enrollment Request File record to match a student record to NSLDS.
6	The NSLDS Current Student SSN, NSLDS Student DOB, NSLDS Student First Name, and NSLDS Student Last Name fields shall be populated with the student data corresponding to the Student SSN (COD) found on NSLDS.
7	The following fields shall be blank if no record was found on NSLDS: NSLDS Current Student SSN, NSLDS Student DOB, NSLDS Student First Name, and NSLDS Student Last Name and Enrollment Status Code, Enrollment Status Date.
8	If the Enrollment Status Code is populated with a value on a student record, there will be an associated Enrollment Status Date populated.
9	NSLDS will send the latest Enrollment Status Date and associated Enrollment Status Code for the student record.
10	NSLDS will only populate the enrollment data if the NSLDS Enrollment Verification Source is equal to "S" (Student Status Confirmation Reports) and the Validation Indicator is not equal to "N" (Not Valid).
11	A Closed School Enrollment Response File may contain student records that were sent in different Closed School Enrollment Request Files. These records will be distinguishable based on the Request Date field.
12	Each student record will be populated with the same Request Date from the associated record from the Enrollment Request Files.

COD to NSLDS Closed School Enrollment Request File

This transfer is part of the Pell Closed School LEU Restoration process for eligible students who attended a now-closed school. The Closed School Enrollment Request File enables the COD System to request student enrollment information from NSLDS. The file will include COD's list of qualifying Pell Grant recipients impacted by a school closing. The Closed School Enrollment Request File will be sent to NSLDS for a match on enrollment data.

COD to NSLDS Closed School Enrollment Request File Specification

File Header Record: SAIG Transmission Batch Header Record (example: O*N05TGXXXXX ,CLS=PGCSEQOP,XXX,BAT=) found in TD Client 3.2 - **Host Communications Guide**

<https://www.fsadownload.ed.gov/softedconnect.htm>

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N05"	Missing Transmission Trailer – Reject Transmission; No detail records – Reject Transmission
6	12	7	A/N	Header Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned to Destination NSLDS TG Mailbox	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header Class Label	Constant: ",CLS="	
25	32	8	A/N	Header Message Class	Format = PGCSEQOP (Production) PTCSEQOP (IST)	
33	36	4	A/N	Header XXX Label	Constant: ",XXX"	
37	41	5	A/N	Text used to identify the next field in a Batch ID	Constant: ",BAT="	
42	58	17	A/N	Header Batch label	Batch ID: "CCYYMMDDhhmmssff"	
59	64	6	A/N	Header Batch ID	Constant: ",NCT ="	
65	70	6	N	Header NCNT Label	"000000"	

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COD-NSLDS Closed School Enrollment Files

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
		70		Total Record Length		

File Detail Record

Start	End	Length	Type	Data Element	Description	Required or Optional
1	9	9	Numeric	Student SSN	This is the Student's SSN that is entered by the user to retrieve student information. Format: 001010001 to 999999998	Required
10	17	8	Date	Student DOB	This is the Student's date of birth that is entered by the user to retrieve student information. Format: CCYYMMDD	Required
18	25	8	Numeric	Attending School OPE ID	Unique 8 digit School OPE ID for closed school.	Required
26	33	8	Date	Request Date	COD request date Format: CCYYMMDD	Required
		37	A	Unused	Constant spaces	

File Trailer Record: SAIG Transmission Batch Trailer Record (example: O*N95TGXXXXX ,CLS=PGCSEQOP,XXX,BAT=,) found in TD Client 3.2 -- **Host Communications Guide**

<https://www.fsadownload.ed.gov/softedconnect.htm>

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N95"	
6	12	7	A/N	Trailer Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned to Destination NSLDS TG Mailbox	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header	Constant: ",CLS= "	

Interface Control Document
 COD-NSLDS Closed School Enrollment Files

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
				Class Label		
25	32	8	A/N	Trailer Message Class	Format = PGCSEQOP (Production) PTCSEQOP (IST)	
33	36	4	A/N	Trailer XXX Label	Constant: “,XXX”	
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: “,BAT= ”	
42	58	17	A/N	Trailer Batch label	Batch ID: “CCYYMMDDhhmmssff”	<i>Same as the Batch ID in the header. If it does not match then entire file should be rejected.</i>
59	64	6	A/N	Trailer Batch ID	Constant: “,NCT = ”	
65	70	6	N	Trailer NCNT Label	“000000”	
		70		Total Record Length		

COD to NSLDS Closed School Enrollment Response File

This interface enables the COD System to receive student enrollment information from NSLDS for students included in the Closed School Enrollment Request File. This student enrollment information will help the COD System to determine if students may be eligible for Pell LEU Closed School Restoration.

NSLDS to COD Closed School Enrollment Response File Specification

File Header Record: SAIG Transmission Batch Header Record (example: O*N05TGXXXXX ,CLS=PGCSERIN,XXX,BAT=) found in TD Client 3.2 - **Host Communications Guide**

<https://www.fsadownload.ed.gov/softedconnect.htm>

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N05"	Missing Transmission Trailer – Reject Transmission; No detail records – Reject Transmission
6	12	7	A/N	Header Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned to Destination COD TG Mailbox	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header Class Label	Constant: ",CLS= "	
25	32	8	A/N	Header Message Class	Format = PGCSERIN (Production) PTCSERIN (IST)	
33	36	4	A/N	Header XXX Label	Constant: ",XXX"	
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: ",BAT= "	
42	58	17	A/N	Header Batch label	Batch ID: "CCYYMMDDhhmmssff"	
59	64	6	A/N	Header Batch ID	Constant: ",NCT= "	
65	70	6	N	Header NCNT Label	"000000"	
		54	A	Unused	Constant spaces	
		124		Total Record Length		

Interface Control Document
COD-NSLDS Closed School Enrollment Files

File Detail Record

Start	End	Length	Type	Data Element	Description	Required or Optional
1	9	9	Numeric	Student SSN (COD)	This is the COD provided Student SSN that will be used by NSLDS to retrieve student information. Format: 001010001 to 999999998	Required
10	17	8	Date	Student DOB (COD)	This is the COD provided Student's Date Of Birth that will be used by NSLDS to retrieve student information if possible. Format: CCYYMMDD	Required
18	25	8	Numeric	Attending School OPE ID	Unique 8 digit school ID provided by COD.	Required
26	33	8	Date	Request Date	This is the COD provided Request Date from the associated record and Enrollment Request File Format: CCYYMMDD	Required
34	42	9	Numeric	NSLDS Current Student SSN	This is the NSLDS provided Current Student SSN that will be used by NSLDS to retrieve the student enrollment information. Format: 001010001 to 999999998	Optional
43	50	8	Date	NSLDS Student DOB	This is the NSLDS provided Student date of birth that is entered by the user to retrieve student information. Format: CCYYMMDD	Optional (Required if Enrollment Status Code is provided)
51	80	30	Alphanumeric	NSLDS Student First Name	NSLDS provided First Name of Student being reported.	Optional (Required if Enrollment Status Code is provided)
81	115	35	Alphanumeric	NSLDS Student Last Name	NSLDS provided Last Name of Student being reported.	Optional (Required if Enrollment Status Code is provided)

Interface Control Document
COD-NSLDS Closed School Enrollment Files

Start	End	Length	Type	Data Element	Description	Required or Optional
116	116	1	Alphanumeric	Enrollment Status Code	<p>Determines whether status of student is full time (F), three (Q) quarters time, half-time (H), or less than half-time (L).</p> <p>Valid Values are: A = Approved Leave of Absence D = Deceased F = Full Time G = Graduated H = Half Time L = Less than Half Time M = Moved Q = Three Quarters Time W = Withdrawn X = Never Attended Z = No Record Found Blank= No Match Found</p>	Optional (If No Record Found)
117	124	8	Date	Enrollment Status Date	Format: CCYYMMDD	Optional (Required if Enrollment Status Code is provided)

File Trailer Record: SAIG Transmission Batch Trailer Record (example: O*N95TGYYYYY ,CLS=PGCSERIN,XXX,BAT= ,) found in TD Client 3.2 -- **Host Communications Guide**

<https://www.fsadownload.ed.gov/softedconnect.htm>

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N95"	
6	12	7	A/N	Trailer Destination Number	<p>'TGYYYYY' where 'YYYYY' is a five digit number assigned to Destination</p> <p>COD TG Mailbox</p>	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header Class Label	Constant: ",CLS= "	
25	32	8	A/N	Trailer Message	Format =	

Interface Control Document
 COD-NSLDS Closed School Enrollment Files

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
				Class	PGCSERIN (Production) PTCSERIN (IST)	
33	36	4	A/N	Trailer XXX Label	Constant: “,XXX”	
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: “,BAT= ”	
42	58	17	A/N	Trailer Batch label	Batch ID: “CCYYMMDDhhmmssff”	<i>Same as the Batch ID in the header. If it does not match then entire file should be rejected.</i>
59	64	6	A/N	Trailer Batch ID	Constant: “,NCT = ”	
65	70	6	N	Trailer NCNT Label	“000000”	
		54	A	Unused	Constant spaces	
		124		Total Record Length		

Business Rules

Field format	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 according to business rules per field.

Interface Assumptions

#	Assumption
Operational Assumptions	
1	There will be no reject processing for the Closed School Enrollment Files.
2	The WebSphere MQ will be updated to version 8.
Functional Assumptions	
1	COD contains information required to create the COD to NSLDS Closed School Enrollment Request File.
2	NSLDS contains information required to create the NSLDS to COD Closed School Enrollment Response File.
3	COD will process the Closed School Enrollment Response File. The rules for processing the file are beyond the scope of this document (please see RDD CR #3951 Restore Pell Eligibility Due to School Closing).
6	No receipt files shall be created by the COD System or NSLDS.
7	NSLDS will receive updated LEU information in the COD-NSLDS Send Data File. The rules for processing the file are beyond the scope of this document (please see ICD COD-NSLDS Send Data File).
8	NSLDS contains student enrollment data for Award Years 1994-1995 and forward.

Interface Dependencies

In the event that NSLDS is not able to complete systematic Inter-system testing (IST) of Phase 1 during the IST testing window, NSLDS agrees to perform visual validation of records and record layouts to assist COD in its systematic testing of Phase 1. Once the layout specifications are visually validated, the interface is assumed valid. Any associated subsequent impacts to COD will be resolved through the COD change control process. Any associated subsequent impacts to NSLDS will be resolved through the NSLDS change control process.

NSLDS and ESB are dependent on the network and Data Center managed by FSA VDC subcontractor, and COD is dependent on the network managed by TSYS.

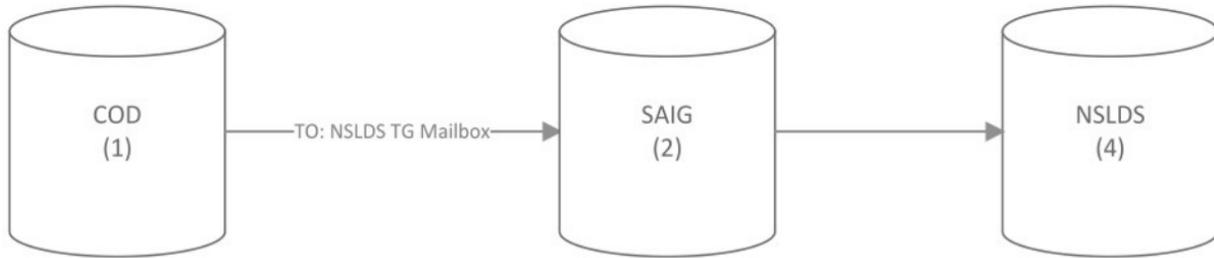
Issues and Additional Considerations

There have been no issues or additional considerations identified for this interface.

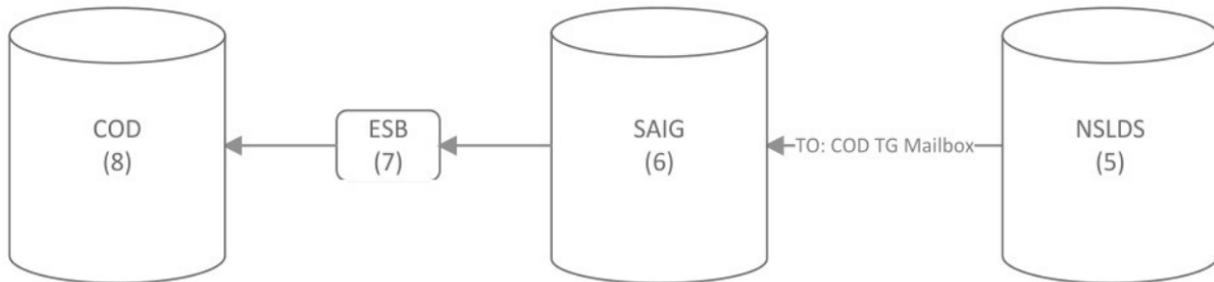
Reviewers

Name	Date	Team
Kathleen Wicks		Federal Student Aid
Marie Fitzpatrick		Federal Student Aid
Barbara Davis		Federal Student Aid
Mark Polanskas		Federal Student Aid

COD to NSLDS LEU Enrollment Request File



NSLDS to COD LEU Enrollment Response File



U.S. Department of Education Federal Student Aid



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National Student Loan Data System

COD – NSLDS Default Feed Interface Control Document

Version 3.0

August 7, 2019

Document Version Control

Version	Date	Description
1.0	May 2016	Draft version of document created for NSLDS
2.0	5/26/16	Updates based on first review with NSLDS/FSA
3.0	8/7/19	Updated COD to ESB interface per CR 18597

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Purpose

The COD-NSLDS Default Feed is an MQ interface in which the COD (Common Origination and Disbursement) system makes a request of borrower information from NSLDS (National Student Loan Data System) and NSLDS responds with borrower default 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 between COD and NSLDS. The interface between ESB and COD is a SOAP endpoint over HTTPS. The purpose of this document is to describe the exchange which occurs between COD and NSLDS.

Interface Control Specification

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

Interface Name:	NSLDS Default Feed
NSLDS Program Name:	IA01 Default Feed
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 borrower default data which will be provided for each borrower requested.
Destination Interface:	<p>Queue Manager Name:</p> <ul style="list-style-type: none"> • Production: NPP1 • Test: NPPI <p>Queue Name:</p> <ul style="list-style-type: none"> • Production: CSB.NSLDS.REQUEST.PUT • Test: CSB.NSLDS.REQUEST.PUT <p>Message Properties:</p> <ul style="list-style-type: none"> • Persistent • Expiry: 2 minutes
Source Application:	COD is the recipient of the borrower default data for each borrower requested
Source Interface:	<ul style="list-style-type: none"> • SOAP Endpoint: nsldsBorrowerService#LoanDefaultLookup
Interface Usage Frequency:	The interface is used on-demand each time COD makes a request for new borrower defaults for a borrower.

Interface Usage Volume:	Current usage yields approx. 6500 calls per day. Estimated to yield approx. 10000 calls per day.
--------------------------------	---

1.1. Interface Overview

Figure 0-1: High Level Flow Diagram

1.2. Interface Flow Diagram Description

1. COD initiates a call to NSLDS by sending a SOAP request to the LoanDefaultLookup endpoint at ESB. The request xml is extracted from the SOAP envelope and sent to NSLDS.
2. NSLDS replies to COD by sending the response via the ESB, sending the response to the requesting service.

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 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#LoanDefaultLookup
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: 'IA0100PS'
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.

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
ESB (via request and response queue)			
Production Platform	HP	HP-UX	11i
Operating System	Red Hat	Red Hat Linux	2.6.18
Transmission Protocol (to NSLDS)	IBM	WebSphere MQ	7.5.0.2
Transmission Protocol (to COD)	N/A	SOAP	1.2

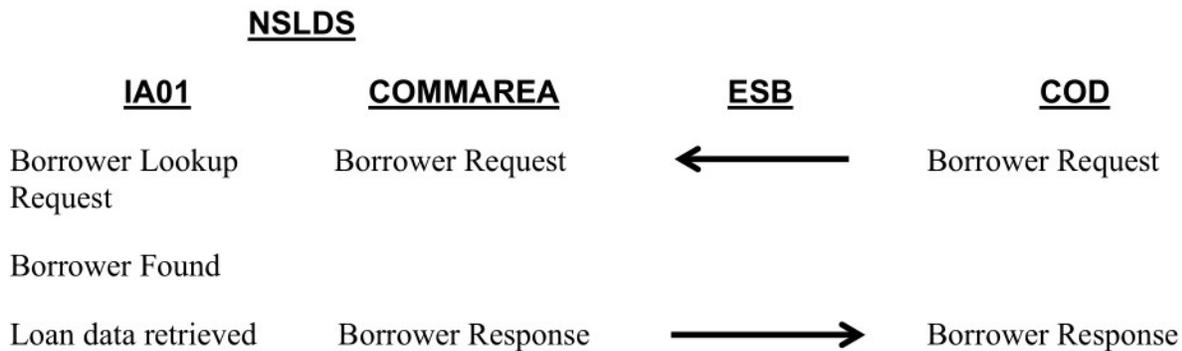


Figure 0-2: Flow Description Diagram

1.3. NSLDS IA01 Default Feed XML

This interface enables NSLDS to respond to requests for borrower default information in near real-time. IA01 Default Feed XML is a CICS transaction that provides borrower default 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 last name] provided by the CICS DPL bridge task to uniquely identify one specific borrower. The request for borrower identification and the results will be recorded in the Transaction Log table. 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.

IA01 accesses DB2 tables that are specific to a borrower’s loans. This isolates database activity to minimize the impact on overall system performance. IA01 Default Fe 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: <ul style="list-style-type: none"> • Invalid SSN • Invalid DOB • Invalid Last Name • System Error • Borrower Not Found • Multiple Borrowers Found • More Data Exist Than Can Be Reported
Logic	<pre> If length of COMMAREA is 0 then Identifying data not provided Else Get Inputs Build Header Details If Input SSN is invalid 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 </pre>

Type	Description
	<p style="text-align: center;">If multiple plus borrowers found then Return Multiple Students Found</p> <p style="text-align: center;">If student found and plus borrower found and they do not match then Return Multiples Found</p> <p style="text-align: center;">If no student nor plus borrower found then Return Student Not Found</p> <p style="text-align: center;">Else</p> <p style="text-align: center;">Read student branch for enrollment information</p> <p style="text-align: center;">If student was found then</p> <p style="text-align: center;"> Read student loans</p> <p style="text-align: center;"> When found</p> <p style="text-align: center;"> If in default</p> <p style="text-align: center;"> Set default flag to Y</p> <p style="text-align: center;"> Else</p> <p style="text-align: center;"> Set default flag to N</p> <p style="text-align: center;"> If COMMAREA is full then</p> <p style="text-align: center;"> Return More Data Exists Than Can Be</p> <p style="text-align: center;">Returned</p> <p style="text-align: center;"> Build XML statements</p> <p style="text-align: center;">If plus borrower was found then</p> <p style="text-align: center;"> Read plus borrower loans</p> <p style="text-align: center;"> When found</p> <p style="text-align: center;"> If in default</p> <p style="text-align: center;"> Set default flag to Y</p> <p style="text-align: center;"> Else</p> <p style="text-align: center;"> Set default flag to N</p> <p style="text-align: center;"> If COMMAREA is full then</p> <p style="text-align: center;"> Return More Data Exists Than Can Be</p> <p style="text-align: center;">Returned</p> <p style="text-align: center;"> Build XML statements</p> <p style="text-align: center;">Return to calling program</p>

1.4. File Specification

Inputs:

The following record layout describes the required input details for the IA01 Default Feed 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
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 <i>Note: If the last name is greater than or equal to 2 characters, the first 2 letters will be sent.</i> <i>If the last name is 1 character, the 1 character will be sent.</i> <i>If there is no last name, "NLN" will be sent (no restriction on the number of characters in the request). NSLDS will send back only two characters, "NL" as the request when "NLN" is sent.</i>	Char.	2

Outputs:

The following record layout describes the output detail for the IA01 Default Feed 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

Data Element	Description	Field Format	Size
Reason Status	Constant. Valid values are: O – No Problems, S – System Error, N – Student Not Found, M – Multiple Students Found, OM – More Data Exists Than Can Be Returned. <i>*Note: Reason status code of ‘O’ corresponds to getting the NSLID and Borrower Default Overpay Code tags in the response. Reason status code of not ‘O’ corresponds to not getting the NSLID and Borrower Default Overpay Code tags in the response.</i>	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
Borrower Default Overpay Code	This indicates whether the borrower is in default on any loan.	Char.	1

1.5. XML Mapping

NSLDS Data Element	XML tag name
Borrower SSN	SSN
Borrower DOB	DOB
Last Name	LASTNAME
Reason Status	STATUSFLAG
	NSLIDS
Borrower First Name	FN
Borrower Middle Initial	MI
Borrower Last Name	LN
	/NSLIDS
	OVERPAYCODE

NSLDS Data Element	XML tag name
Borrower Default Overpay Code	BDOC
	/OVERPAYCODE

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/COD 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 default information.
COD will process the borrower default 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.
If NSLDS is unable to obtain the Borrower Default Overpay Code, the NSLID and Borrower Default Overpay Code element and tags will not be included in the Response XML.

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

Borrower Default Status Codes	
Code	Status
Y	Borrower is in default on at least one loan
N	No loans are in default for the borrower

Appendix B - 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:bdoc="http://fsa.ed.gov/nslds/bdoc"
  elementFormDefault="qualified" targetNamespace="http://fsa.ed.gov/nslds/bdoc">

  <element name="BORROWERREQUEST" type="bdoc:BorrowerDefaultRequestType"/>
  <complexType name="BorrowerDefaultRequestType">
    <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 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 OVERPAYCODE.

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

  <element name="XML">
    <complexType>
      <sequence>
        <element name="NSLDS" minOccurs="0" type="bdoc:NSLDSDefaultStatusType" />
      </sequence>
    </complexType>
  </element>
  <complexType name="NSLIDSDBOCType">
    <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="NSLDSDefaultStatusType">
    <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="string" />
  <element name="NSLIDS" minOccurs="0" type="bdoc:NSLIDSDBOCType" />
  <element name="OVERPAYCODE" minOccurs="0" type="bdoc:OverpayCodeType" />
    </sequence>
  </complexType>
  <complexType name="OverpayCodeType">
    <sequence>
      <element name="BDOC" minOccurs="0" type="bdoc:DefaultOverpayCode" />
    </sequence>
  </complexType>
```

```

    <simpleType name="DefaultOverpayCode">
      <restriction base="string">
        <enumeration value="Y" />
        <enumeration value="N" />
        <enumeration value="E" />
      </restriction>
    </simpleType>
  </schema>

```

Appendix E - Response XML Sample

Example: No Problems (Reason Status Code of O)

```

<XML><NSLDS>
<SSN>123456789</SSN>
<DOB>09/02/1982</DOB>
<LASTNAME>DO</LASTNAME>
<STATUSFLAG>O</STATUSFLAG>
<NSLID><FN>MAGGIE</FN><MI>W</MI><LN>DOGGIE</LN></NSLID>
<OVERPAYCODE><BDOC>Y</BDOC></OVERPAYCODE>
</NSLDS></XML>

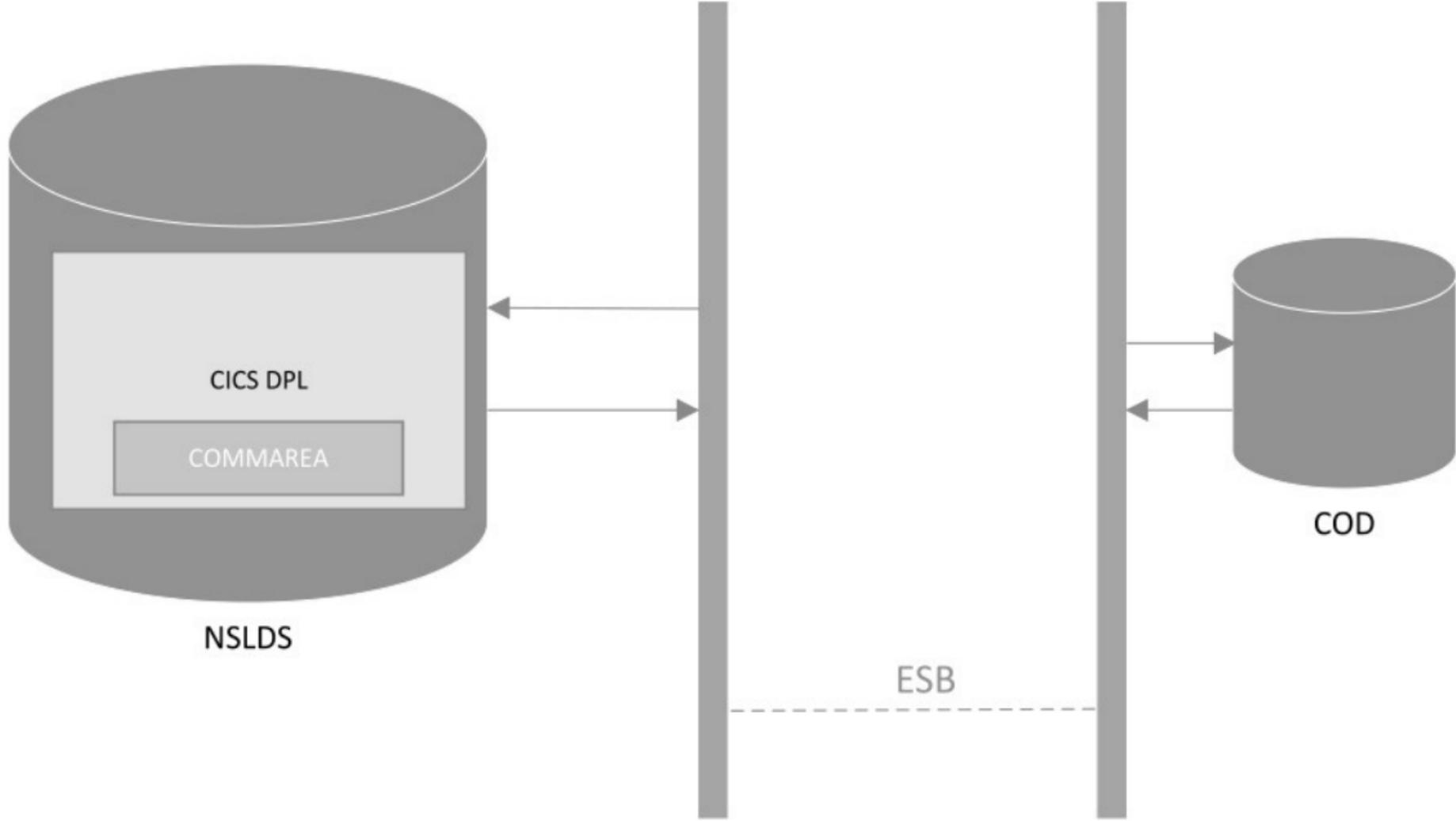
```

Example: Multiple Students Found

```

<XML><NSLDS>
<SSN>123456789</SSN>
<DOB>09/02/1982</DOB>
<LASTNAME>DO</LASTNAME>
<STATUSFLAG>MB</STATUSFLAG>
</NSLDS></XML>

```



United States Department of Education
Office of Federal Student Aid

Perkins Liquidation Tracking
NSLDS Open Loans Data File
Interface Control Document

Version 8.0

Document Reference:

March 7, 2018

Document Change Control

Date	Author	Version	Change Reference
10/10/2017	Lydia Yi	1.0	Initial Version
10/20/2017	Lydia Yi	2.0	Updates after ICD meeting on 10/17/17.
10/30/2017	Lydia Yi	3.0	Updates after FSA comments received
11/13/2017	Lydia Yi	4.0	Signature Page removed
11/21/2017	Lydia Yi	5.0	Added projected number of schools
12/4/2017	Lydia Yi	6.0	Updated Batch ID and added NSLDS File Name
12/12/2017	Lydia Yi	7.0	Updated message class and COD's red hat version
3/7/2018	Allan E. Thompson Jr.	8.0	Added DPATH

Interface Control Specification

Interface Name:	NSLDS Open Loans Data File
Interface Type:	Uni-Directional - Incoming
Interface Short Description:	This document defines the processes utilized to send the NSLDS Open Loans Data file to COD via SAIG.
Requesting Application: or Source Application:	NSLDS is the source of NSLDS Open Loans data coming in to COD. NSLDS TG Mailbox (TEST): TGM8699 NSLDS TG Mailbox (PROD): TG50012
Responding Application: or Destination Application:	COD is the destination application of the NSLDS Open Loans Data File. COD-CB TG Mailbox (TEST): TGT4377 COD-CB TG Mailbox (PROD): TGT3300 Message Class: ECBSUMOP File Name: NSLDS.OPENLOANS.INBOUND.DYYYYMMDD.THMMSS.RXXX (Where YYYY = year, MM = month, DD = date, HH = hour, MM = minute, SS = section, and XXX = 3 random digits.) TEST - DPATH: /acn/saig/TGT4377/nslds-interfaces/NSLDS.OPENLOANS.INBOUND.DYYYYMMDD.THMMSS.RXXX PROD - DPATH: /apps/batch/staging/nslds-interfaces/NSLDS.OPENLOANS.INBOUND.DYYYYMMDD.THMMSS.RXXX
Functional Requirement References:	Group 5 Perkins Liquidation Tracking General Design Document (GDD) and Requirements Definition Document (RDD) – CR 4110
Related Unit Test Document:	N/A
Other Related Interfaces:	
Interface Usage Frequency:	NSLDS will send a file to COD every Monday by 11:00 AM CST, including if Monday falls on a holiday.
Interface Usage Volume:	Estimated Number of Records Per NSLDS file: 2,000

Interface Overview- NSLDS Open Loans Data File Processing

Flow Diagram Description

1. NSLDS will transmit the NSLDS Open Loans Data file over to COD's TG Mailbox via SAIG.
2. COD will receive and process the NSLDS Open Loans Data File.

Source System (NSLDS) Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	IBM	Mainframe Server	Model 2096-S03
2	Operating System	IBM	zOS	2.1
3	DBMS	IBM	DB2	11.1
4	Transmission Protocol	IBM	WebSphere MQ	7.1.0

Destination System (COD) Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	HP	Midrange Server	DL580
2	Operating System	Red Hat	Red Hat Enterprise Linux Server	6.9
3	Transmission Protocol	IBM	WebSphere MQ	8.0.0.5

SAIG System Hardware/Software Components

#	Type	Vendor	Product Name	Version
1	Production Platform	VDC	Linux VM ESXi 6.0	Linux VM ESXi 6.0
2	Operating System	Red Hat Red Hat Linux 5.11	Red Hat Red Hat Linux 5.11	Red Hat Red Hat Linux 5.11
3	DBMS	Oracle Enterprise DB 11.2.0.4	Oracle Enterprise DB 11.2.0.4	Oracle Enterprise DB 11.2.0.4
4	Transmission Protocol	bTrade	TDN Transaction Delivery eNgine	3.2

Source System Additional Information

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

Destination System Additional Information

#	Type	Value
1	Production System Location	Columbus, GA
2	Contracting Organization	Accenture/TSYS
3	Developer Location	Washington, DC

Source System Responsibilities

#	Description
1	NSLDS will send a file with the aggregate Open Loans Data for schools on a weekly basis, every Monday, including if Monday falls on a holiday.
2	Records in the file will be unique per OPE ID.
3	<p>Using an SQL batch utility, UTT2, NSLDS extracts and computes the data by querying the loan table selecting the school branch code (OPE ID), counting the number of open Perkins loans, counting the number of distinct borrowers for the open Perkins loans, and summing the total outstanding principal balance for the open Perkins loans. Only Perkins loans not having been assigned, picked-up and reported on by the Department of ED, with no current GA code established, are included in the results file sent to COD in the record layout format.</p> <p>Conditions used for the Perkins loans to be included:</p> <ul style="list-style-type: none"> • Perkins loan types: 'PU', 'NU', 'DU','EU','IC' • Current GA Code: is blank • Current open loan statuses: 'BK','DA','DB','DF','DL','DO', 'DU','DX','DZ','FB','FR','IA','ID', 'IG','IM','IP','RP','XD'. Note: 'DI', & 'DS' loan statuses will be sent if the outstanding principal balances are greater than \$0.

Destination System Responsibilities

#	Description
1	SAIG provides the method to securely exchange batch data between NSLDS and COD.
2	COD will process the NSLDS file received and store the data.
3	COD will archive the data files received from NSLDS for 90 days.
4	COD will send an e-mail to cbfsaadmin@ed.gov that identifies any transactions that were on the NSLDS file but that did not load into COD.
4.1	<p>The email notification will contain the following information:</p> <p>Database Load information:</p> <p>Run began on: < date and time > Run ended on: < date and time ></p> <p>Records Read: < number of total records received > Records Rejected: < number of records rejected > Records successfully loaded: < number of records successfully loaded ></p> <p>Database Process Messages: < Rejected record(s) and reason(s) for rejection ></p> <p>Rejected Record Details: < transaction details - ></p>

NSLDS Open Loans Data File

This transfer is part of the Perkins Liquidation Tracking process for eligible schools participating in the Federal Perkins Loan Program. The process of liquidating (ending participation in the Federal Perkins Loan Program) includes a review of a school's outstanding Perkins Loans so that they can be assigned to the Department. All assigned and school purchased Perkins Loans must be reported and updated in NSLDS as part of the Liquidation Process as Perkins Liquidation requires that there be zero open loans (school held) in NSLDS. The NSLDS Open Loans Data File enables COD to confirm the status of open loans as recorded in NSLDS for schools and process the NSLDS Reconciliation information received from NSLDS.

Each NSLDS file will contain one or more Detail records.

SAIG Header Record

SAIG Transmission Batch Header Record (example: O*N05TGXXXXX where XXXXX is an alphanumeric mailbox address) found in TD Client 3.2 - **Host Communications Guide**

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N05"	<i>Missing Transmission Trailer – Reject Transmission; No detail records – Reject Transmission</i>
6	12	7	A/N	Header Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned to Destination	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header Class Label	Constant: ",CLS = "	
25	32	8	A/N	Header Message Class	ECBSUMOP	
33	36	4	A/N	Header XXX Label	Constant: ",XXX"	
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: ",BAT = "	
42	58	17	A/N	Header Batch label	Batch ID: "000000000000000000"	
59	64	6	A/N	Header Batch ID	Constant: ",NCT = "	
		Xx	A	Unused	Constant spaces	
		≥ 80		Total Record Length		

Interface Control Document
NSLDS Open Loans Data Files

File Detail Record

Start	End	Length	Type	Data Element	Description	Valid values
1	8	8	A/N	OPE ID	8 digit school identifier	A-Z 0-9
9	16	8	N	Number of Loans	Total number of open Perkins loans	Numbers (0-9)
17	24	8	N	Number of Borrowers	Total number of Perkins borrowers	Numbers (0-9)
25	34	10	N	Total OPB	Total Outstanding Principle Balance (OPB)	Numbers (0-9)
35	70	36	A/N	Filler	Filler – reserved for system use	A-Z 0-9

SAIG Trailer Record

SAIG Transmission Batch Trailer Record (example: O*N05TGXXXXX where XXXXX is an alphanumeric mailbox address) found in TD Client 3.2 - **Host Communications Guide**

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
1	5	5	A/N	SAIG Batch Header Identification Number	Constant "O*N95"	<i>Missing Transmission Trailer – Reject Transmission; No detail records – Reject Transmission</i>
6	12	7	A/N	Trailer Destination Number	'TGXXXXX' where 'XXXXX' is a five digit number assigned to Destination	
13	19	7	A	Unused	Constant spaces	
20	24	5	A/N	Header Class Label	Constant: ",CLS = "	
25	32	8	A/N	Trailer Message Class	Production ECBSUMOP Test ECBSUMOP	
33	36	4	A/N	Trailer XXX Label	Constant: ",XXX"	
37	41	5	A/N	Text used to identify the next field is a Batch ID	Constant: ",BAT = "	
42	58	17	A/N	Trailer	Batch ID:	

Interface Control Document
NSLDS Open Loans Data Files

Start	End	Length	Type	Description	Valid Value	Processing/ Edit Note
				Batch label	“000000000000000000”	
59	64	6	A/N	Trailer Batch ID	Constant: “,NCT = ”	
65	70	6	N	Trailer NCNT Label	“000000”	
		Xx	A	Unused	Constant spaces	
		≥ 80		Total Record Length		

Business Rules

Field format	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 right justified 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.

Interface Assumptions

#	Assumption
1	If a school is not in the NSLDS file, COD will assume that the NSLDS Open Loans is zero for that school.
2	NSLDS contains information required to compute the required calculations.
3	COD will contact NSLDS when there are issues with receiving the file.
4	There will not be any PII data in this interface.

Interface Dependencies

#	Dependency
1	NSLDS is dependent on the network and Data Center managed by the VDC, and COD is dependent on the network managed by TSYS.
2	Both NSLDS and COD are dependent on SAIG for the secure exchange of files.

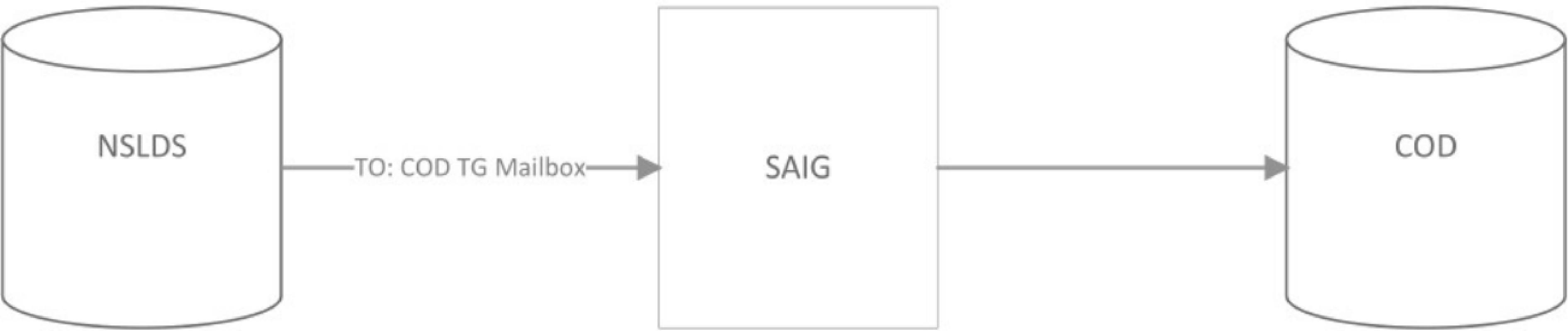
Issues and Additional Considerations

Raised By	Issue	Date Needed	Resolution/Answer	Date Completed	Resolved By

Reviewers

Name	Date	Team

NSLDS to COD: NSLDS Open Loans Data File



**COD-NSLDS Send Data File Request and
Receipt Files**

Data File Layout

Version **6.0** • **3/27/2022**

Document Version Control

VERSION	DATE	AUTHOR	DESCRIPTION
1.0	11/5/2018	Accenture	Updates made to file layout
2.0	10/24/2019	Accenture	Add SAIG Header/Trailer
3.0	01/03/2020	Accenture	Corrected Pell Disbursement Detail Record, included 19.0 NAYS changes, added CIP Code Year values, and Informed Borrowing fields
4.0	09/23/2020	Accenture	Add Coronavirus Indicator
4.0	2/26/2021	Accenture	Add Discharge Types to Document
5.0	3/31/2021	Accenture	R20.0 New Award Year Set Up
6.0	3/27/2022	Accenture	R21.0 New Award Year Set Up (CR 6041/PROD 120429) *Please refer to A123_ICD_COD_Send_Data_File_v2 for all changes being implemented to COD-NG NSLDS with COD Release 21.1/NSLDS Release 1.0 (CR 6036/PROD-120487)

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Section 2. COD-NSLDS Send File Specification

2.1. 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

2.2. NSLDS Header Record

Data Element	Description	Field Format	Length	Start Position	End Position
Record Type	'AAA' – Represents Header	Alphanumeric	3	1	3
Header Sort Key	Low value '000000000'	Alphanumeric	9	4	12
Header Title	Value 'SEND FILE DATA HEADER'	Alphanumeric	21	13	33
Submittal Date/Time	Timestamp for when the file was submitted. Format: CCYYMMDDHHMMSSMMMMMM	Timestamp	20	34	53
	No punctuation.				
File ID	Unique File Identification Number	Numeric	8	54	61
Total Record Count	Total count of detail records.	Numeric	9	62	70
Type PSN Record Count	Total count of PSN record types	Numeric	9	71	79

Type DLA Record Count	Total count of DLA record types	Numeric	9	80	88
Type DLD Record Count	Total count of DLD record types	Numeric	9	89	97
Type PLA Record Count	Total count of PLA record types	Numeric	9	98	106
Type PLD Record Count	Total count of PLD record types	Numeric	9	107	115
Type THA Record Count	Total count of THA record types	Numeric	9	116	124
Type THD Record Count	Total count of THD record types	Numeric	9	125	133

2.3. NSLDS Person Detail Record

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Record Type	'PSN' - Represents the Person 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
Financial Award ID	The student's unique award identifier (for DL and TEACH awards) DL (Direct Loan) Award ID, it includes the following elements for DL program:	Alphanumeric	21	13	33	Required

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>Student's SSN: 001010001-999999998</p> <p>Loan Type: S = Subsidized U = Unsubsidized P = PLUS for parent and graduate/professional borrowers</p> <p>Program Year: 23, for 2022-2022</p> <p>School Code: X00000-X99999 where X = G or E</p> <p>Award Sequence Number: 001-999</p> <p>Example: '001010001S23G00000001'</p> <p>TH (Teach) Award ID includes the following elements for TH program:</p> <p>Student's SSN: 001010001-999999998</p> <p>Award Type: H = TEACH</p> <p>Program Year: 21, for 2020-2021</p> <p>School Code: 000000-099999</p> <p>Award Sequence Number: 001-999</p> <p>Example: '001010001H21000000001'</p> <p>Will send an existing DL Award ID if one exists.</p> <p>Will send an existing TH Award ID if no DL award exists.</p> <p>Will send the new DL Award ID, if no DL or TEACH award exist and a new DL award is being sent.</p> <p>Will sent the new TH Award ID, if no DL or TEACH award exist and</p>					

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	<p>a new TEACH award is being sent.</p> <p>Will send blank for existing/new Pell award, if no DL or TEACH award exist and no new DL or TEACH award is being sent.</p>					
Previous SSN	<p>Social Security Number on student's first FAFSA for this school year.</p> <p>Left justified.</p> <p>Format: 001010001 to 999999998</p> <p>Can be 0's</p>	Numeric	9	34	42	Required
Student First Name	<p>First Name of Student being reported.</p> <p>If no first name populate 'NFN'</p>	Alphanumeric	30	43	72	Required
Student Middle Initial	<p>Middle Initial of Student being reported.</p>	Alphanumeric	1	73	73	Optional
Student Last Name	<p>Last Name of Student being reported.</p> <p>If no last name populate 'NLN.'</p>	Alphanumeric	35	74	108	Required
Student DOB	<p>This is the Student's date of birth that is entered by the user to retrieve student information.</p> <p>Format: CCYYMMDD</p> <p>Can be 0's</p>	Date	8	109	116	Required
Pell Original Name Code	<p>First two characters of Last Name on student's FAFSA.</p> <p>Will send Pell Original Name code from CPS Transaction of the highest transaction on the system for that transmission</p> <p>Will send blank if the customer only has a Pell Award(s) for Award Years 1973-1973 through 1998-1999 and does not have an active Pell Award on the COD System.</p>	Alphanumeric	2	117	118	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
	Required for customers with active Pell awards in the COD System.					
Driver's License State	Attribute Indicating the person's Driver's license state. Valid State Code Values in Appendix. If State Code Default to blank	Alphanumeric	2	119	120	Optional
Driver's License Number	The person's Driver's license number. Default to blank	Alphanumeric	20	121	140	Optional
DLS Counseling Flag	Indicates entrance counseling completion for DLS. Valid Values: Y = Yes, Student has completed counseling for DLS/DLU. N = No, Student has not completed counseling for DLS/DLU. Blank = Not set.	Alphanumeric	1	141	141	Optional
DLP Counseling Flag	Indicates entrance counseling completion for DLP. Valid Values: Y = Yes, Student has completed counseling for DLP. N = No, Student has not completed counseling for DLP. Blank = Not set.	Alphanumeric	1	142	142	Optional
Deceased Flag	Indicates whether a student is deceased. Possible fields: Y = Yes, Student is deceased. N = No, Student is not deceased. Blank = Not set.	Alphanumeric	1	143	143	Optional

Data Element	Description	Field Format	Length	Start Position	End Position	Required or Optional
Post 9/11 Deceased Vet Dependent	<p>The Post 9/11 Deceased Veteran Dependent indicator is populated by COD through an evaluation of the 'DoD Match Flag' on the CPS DDE file.</p> <p>Y = Post 9/11 applies N = Post 9/11 does not apply Blank = Not set.</p>	Alphanumeric	1	144	144	Optional
Pell Lifetime Eligibility Used (LEU)	<p>Calculated value by COD for all Pell Recipients. It is the sum of all Pell Eligibility Used percentages for a Pell recipient over the course of their entire lifetime, including Pell LEU adjustments.</p> <p>Note: This field will not populate with IASG LEU.</p> <p>Implied Decimal: 9999v999 Format: XXXX.XXX = XXXXXXXX Example: 0123.454 = 0123454 Default to 0's for negative or not set LEU values</p>	Numeric	7	145	151	Required
Subsidized Usage Limit Applies	<p>Indicates if a student is eligible for SULA limits.</p> <p>Y = Subsidized Usage Limit Applies N = Subsidized Usage Limit Does Not Apply Blank = Not set.</p>	Alphanumeric	1	152	152	Required
Subsidized Usage Limit Applies Date	<p>Indicates the date at which the student qualified for SULA limits across Award Years and schools, and were updated on the COD System to SULA = Y</p> <p>Format: CCYYMMDD or 0's</p>	Date	8	153	160	Optional
Sum Actual Subsidized Usage Periods	<p>Actual sum of subsidized usage periods for the student, across Award Years and schools. Field will be populated if SULA = 'Y.'</p>	Numeric	6	161	166	Optional