



Interface Control Document
for the
Student and Exchange Visitor Information System
Batch Interface

February 27, 2004

DRAFT

NOTICE OF CHANGES

This version of the Interface Control Document (ICD) for the SEVIS Batch Interface is an update to the version dated December 20, 2002. Below is a listing of the updates from that version:

No.	Section Affected	Summary of Update
1.	All	Updated INS to DHS
2.	2.3	Updated the estimated sizes of results files
3.	2.4	Added columns to the SEVIS Batch – RTI Event Matrix for Students and Dependents and the to include the status for which the action is available and to indicate whether the action requires adjudication
4.	2.6	Updated the URL for the Batch Beta Test site
5.	3.1	Modified the explanation of the Transaction Log schema to address the creation of a single transaction log that will be used for all student, exchange visitor, and dependent transactions
6.	3.1	Included additional entity references for special characters not allowed in XML
7.	3.1.3 and 3.1.4	Updated to reflect the change in transaction log file processing
8.	3.1.5	Updated the table of lookup tables to include the new functionality and the actual table names
9.	3.2	Modified the sample commands table to reflect the change to a single upload command format that will be used for schools and programs

No.	Section Affected	Summary of Update
10.	Appendix C, Create-Update Student and Dependent Data Elements	<p>Updated elements to reflect the reorganization of the Create-UpdateStudent.xsd to incorporate a structure that will make it easier in the future to add new functionality</p> <ul style="list-style-type: none"> • Changed SchoolCode element to OrgId • Updated the element IssueReason to remove reasons that are no longer permitted within SEVIS (these reasons were removed from RTI in Release 4.8) • Added elements for new functionality: <ul style="list-style-type: none"> - Cancel and Edit Authorize to Drop Below Full Course - Cancel CPT Employment - Cancel OPT Employment - Cancel student and dependent - Cancel extension request - Reprint I-20 for student and dependent - Confirm status of student - Change education level • Added requirement for inclusion of student's status if the change education level has been performed for a student • Removed explanation for SEVIS Processing Error for Dependent Update Requests • Added Summary of Drop Below Requirements for F and M Visa Holders
11.	Appendix D, Create-Update Exchange Visitor and Dependent Data Elements	<p>Updated elements to reflect the reorganization of the Create-UpdateExchangeVisitor.xsd to incorporate a structure that will make it easier in the future to add new functionality</p> <ul style="list-style-type: none"> • Changed ProgramNumber element to OrgId • Updated the element CreateReason to remove reasons that are no longer permitted within SEVIS (these reasons were removed from RTI in Release 4.8) • Added elements for new functionality: <ul style="list-style-type: none"> - Edit Site of Activity - Reprint DS-2019 for exchange visitor and dependent - Confirm status of student - Change education level
12.	Appendix E, SEVIS Transaction Log Data Elements	<ul style="list-style-type: none"> • This appendix replaces the following appendices: <ul style="list-style-type: none"> - Student-Dependent Transaction Log Data Elements - Exchange Visitor-Dependent Transaction Log Data Elements - SEVIS Upload Results Data Elements • Added sample transaction logs for new format

TABLE OF CONTENTS

1. INTRODUCTION.....	1
1.1 Purpose	1
1.2 Scope.....	1
1.3 Reference Documents	1
2. DESCRIPTION.....	2
2.1 System Overviews	2
2.2 Functional Allocation	3
2.3 Data Transfer	5
2.4 Transactions.....	7
2.4.1 Create-Update Student and Dependent Data	8
2.4.2 Create-Update Exchange Visitor and Dependent Data.....	10
2.4.3 Download Batch Process Results for Students and Dependents	12
2.4.4 Download Batch Process Results for Exchange Visitors and Dependents.....	13
2.5 Security and Integrity	13
2.6 Batch Beta Testing.....	13
2.6.1 Batch Beta Testing Site.....	13
2.6.2 Batch Beta Testing Procedures for F/M Functionality	14
2.6.3 Batch Beta Testing Procedures for J Functionality	14
2.6.4 Support for Batch Beta Testing	16
3. SEVIS BATCH SPECIFICATIONS	17
3.1 SEVIS Batch File Specifications	17
3.1.1 Create-Update Student File Specifications	18
3.1.2 Create-Update Exchange Visitor File Specifications	18
3.1.3 Transaction Log File Specifications	19
3.1.4 SEVIS Upload Results File Specifications	20
3.1.5 SEVIS Validation/Lookup Tables	20
3.2 SEVIS Batch Interface Communication Methods.....	24

APPENDICES

APPENDIX A – ACRONYMS

APPENDIX B – SEVIS BATCH PROCESS: DISPOSITION AND VALIDATION FAILURE
CODES

APPENDIX C – CREATE-UPDATE STUDENT AND DEPENDENT DATA ELEMENTS

APPENDIX D – CREATE-UPDATE EXCHANGE VISITOR AND DEPENDENT DATA
ELEMENTS

APPENDIX E – SEVIS TRANSACTION LOG DATA ELEMENTS

EXHIBITS

Exhibit 1: SEVIS Batch Process Overview	3
Exhibit 2: SEVIS Batch Process Functionality.....	4
Exhibit 3: SEVIS Batch Data Transfer Process.....	6
Exhibit 4: Batch Interface Data Transfers	6
Exhibit 5: SEVIS Batch – RTI Event Matrix for Students and Dependents	8
Exhibit 6: SEVIS Batch – RTI Event Matrix for Exchange Visitors and Dependents.....	11
Exhibit 7: Special Characters Not Allowed in XML.....	18
Exhibit 8: SEVIS Student and Dependent Lookup Tables	21
Exhibit 9: SEVIS Exchange Visitor and Dependent Lookup Tables	22
Exhibit 10: SEVIS Common Lookup Tables.....	23
Exhibit 11: Student Education Levels	C-44
Exhibit 12: Department of State Maximum and Minimum Duration of Stay Rules	D-35
Exhibit 13: Exchange Visitor and Dependent Age Requirements.....	D-36
Exhibit 14: Date Time Stamp Format for Transaction Logs	E-6
Exhibit 15: Sample Transaction Log for Schema Validation Errors	E-7
Exhibit 16: Sample Transaction Log for Successfully Processed XML with Business Validation Exceptions	E-8

1. INTRODUCTION

This Interface Control Document specifies the batch interface between the Student and Exchange Visitor Information System (SEVIS) and the institutions' internal systems (user systems). The user systems are either in-house systems or third-party products used by the schools and program sponsors to collect and maintain information on foreign students, exchange visitors, and dependents. Appendix A, Acronyms, provides a list of acronyms and abbreviations used in this document.

1.1 Purpose

The purpose of SEVIS is to facilitate timely reporting and monitoring of foreign students and exchange visitors in the United States. SEVIS is an Internet-based application for electronically tracking and reporting on foreign students and exchange visitors in the United States. SEVIS enables schools and program sponsors to transmit data electronically to the Department of Homeland Security (DHS) and Department of State (DoS) throughout a student's or exchange visitor's program in the U.S.

1.2 Scope

SEVIS' scope includes the range of activities associated with the capture of data surrounding student and exchange visitor pre-arrival activities, arrival, status while in the U.S., and program completion.

1.3 Reference Documents

The following standards and references were used to compose this document:

- U.S. Federal Information Processing Standard (FIPS) No. 10
- The Hypertext Transfer Protocol ("HTTP/1.1")
- XML Schema Recommendation, May 2, 2001, World Wide Web Consortium (W3C)
- Classification of Instructional Programs: Year 2000 (CIP 2000), National Center for Education Statistics

2. DESCRIPTION

The batch data exchange process described in this document is the method for automated exchange of data between SEVIS and schools and program sponsors using the Internet.

2.1 System Overviews

Schools and program sponsors may use systems external to SEVIS to create and update student, exchange visitor and dependent (visa classes F, M and J) records and upload the records to SEVIS. Schools and program sponsors must register within SEVIS to use the batch interface and conduct beta testing before beginning to use the SEVIS Batch Interface. SEVIS Real-Time Interactive (RTI) provides registration functionality for the schools and program sponsors. Instructions detailing the batch registration process are posted on the DHS SEVIS Web site. Schools and program sponsors will extract their student, exchange visitor and dependent data from their system into an XML file that conforms to the appropriate SEVIS XML schema. This XML file will be transmitted to SEVIS using the batch interface.

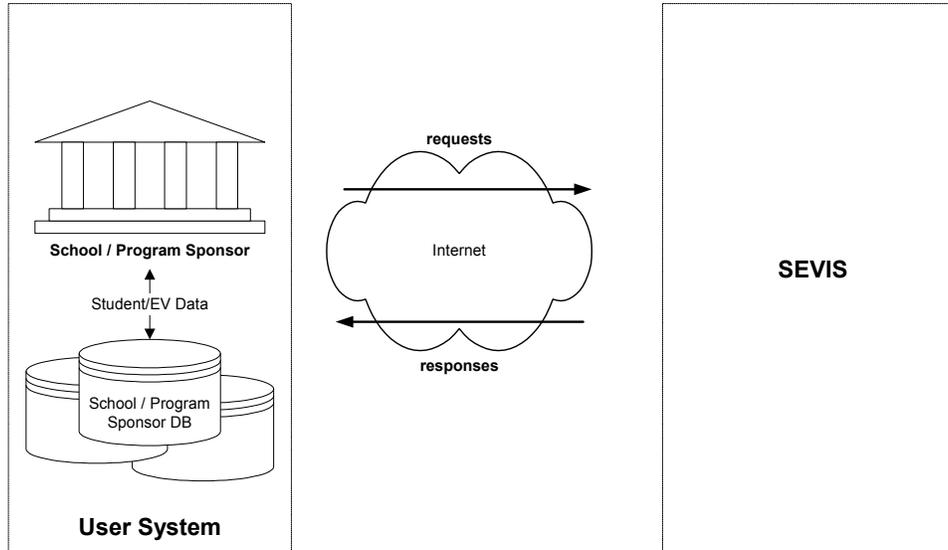
SEVIS will validate the uploaded XML document, process the records in the document, and create a compressed file for later retrieval by the user systems. The compressed file will include the following:

- An XML transaction log which will:
 - Include the unique record identifier provided by the school or program sponsor and the status (successful or failure) of applying the data to SEVIS
 - Append a SEVIS ID to records that successfully created a student, exchange visitor, or dependent through the batch process
 - Include error codes for any records not successfully processed., See General Disposition Codes for error codes generated during the batch process.
- PDF files containing I-20 or DS-2019 forms

Schools and program sponsors may use the batch interface to upload data to SEVIS during the hours in which the e-Gov environment is available (Monday 6:00 a.m. – Saturday 12:00 a.m. EST). Batch data files will be processed during the non-production hours of the e-Gov environment. The results of processing files received by 11:59 p.m. EST will be available to the user systems the next business day.

Exhibit 1, SEVIS Batch Process Overview, provides a high-level representation of the batch process and the data exchanged between SEVIS and the system of a school or program sponsor.

Exhibit 1: SEVIS Batch Process Overview



The key equipment and software components identified for the user system environment include the following:

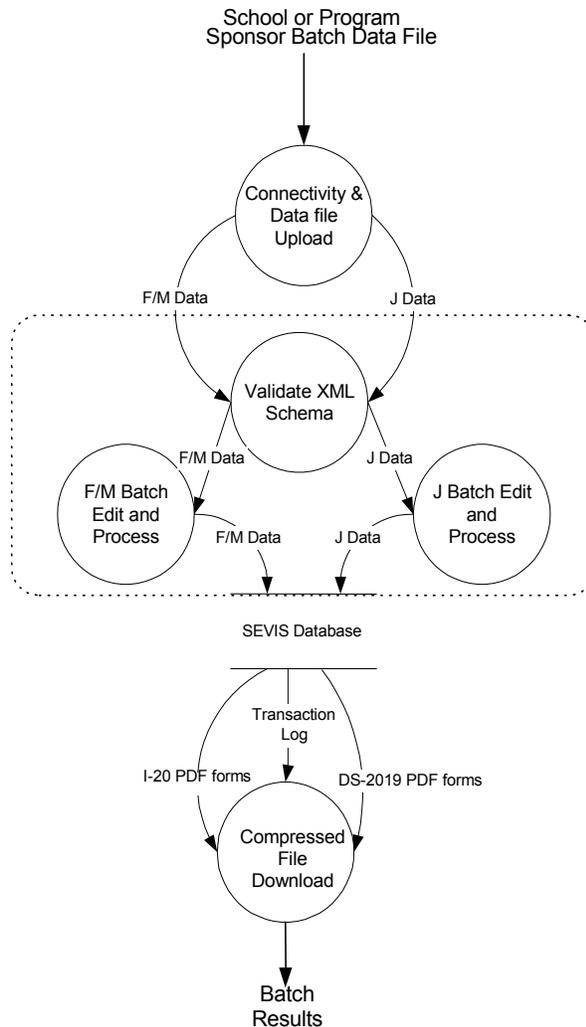
- Laser-quality printer (minimum resolution of 600x600 dpi) (required for successful printing of PDF forms)
- Class 1 Digital certificate granted by VeriSign, Inc.
- School or program sponsor's own hardware and software
- Internet Access

The DHS SEVIS Web site will contain information necessary to use the batch interface, including the current versions of the SEVIS Lookup (Codes) Tables, the SEVIS XML schemas, and user support documentation relating to the batch interface.

2.2 Functional Allocation

The basic operations performed by SEVIS and the user systems during the data exchange are shown in Exhibit 2, SEVIS Batch Process Functionality.

Exhibit 2: SEVIS Batch Process Functionality



The sequence of events in the batch process is as follows:

1. The schools and program sponsors extract applicable student, exchange visitor, and dependent data from their systems into an XML document compliant with the SEVIS XML schema. Each XML batch document must only contain data particular to a single SEVIS school code or SEVIS program number (SEVIS school codes and program numbers are assigned during the certification and designation processes). The maximum number of records that may be included in the XML batch document is 250 create records and 250 update records.
2. When SEVIS receives a batch data file, it will validate that the batch file is well-formed XML. In addition to XML well-formedness, SEVIS will process only those files which successfully validate against the SEVIS XML schema. Batch files that do not conform to the

SEVIS XML schema will be rejected. The SEVIS XML schemas used to validate the batch files are available from the DHS SEVIS web site.

3. SEVIS will process all valid XML files during the non-production hours of the e-Gov environment. During this processing, each record is validated against the SEVIS eligibility business rules.
4. Each record that is successfully validated against the eligibility business rules is applied to the SEVIS system. A unique SEVIS ID will be generated and assigned to each newly created student, exchange visitor, and dependent record. Updates will be applied to existing student, exchange visitor, and dependent records in SEVIS. For each batch record processed, a record is written to the XML transaction log.
5. SEVIS will create a PDF file for each record that results in the creation of a Form I-20 or DS-2019. Each I-20 or DS-2019 will be provided in a separate PDF file that may be printed by the user system.
6. The PDF files and XML transaction log will be compressed into a single file in zip format. User systems must download this compressed file.
7. When ready to download the batch data file, the user system sends a request to download the batch process results. Each batch process result file is available for download for a period of seven days from the time it is processed. The system automatically deletes files that are not downloaded within the seven-day period. It is advised that school and program sponsors account for this when scheduling the download process.
8. Once the compressed file is downloaded, the schools or program sponsors can unzip the compressed file and use their own systems to process the transaction log and print the enclosed forms.

2.3 Data Transfer

As shown in Exhibit 3, SEVIS Batch Data Transfer Process, connection with the SEVIS Batch process is accomplished using Hypertext Transfer Protocol Secure (HTTPS).

The user system will post an XML document compliant with the SEVIS XML schema to SEVIS. SEVIS will return an XML reply with the HTTP response indicating the result of the XML document post.

Following a successful upload, SEVIS authenticates and verifies the school or program sponsor's information prior to processing data from the batch data file. Once SEVIS verifies the identity of the institution, it then processes the data forwarded by the institution. Results of the batch process will be communicated back to the user system via an XML-based transaction log. This includes the validity of the request, data content, data format, and data semantics. The generated transaction log aids the school or program sponsor in identifying errors within their XML document. Any corrected records may then be resubmitted to SEVIS.

SEVIS generates a compressed file for each batch XML document accepted. The compressed file is referenced by the batch identifier supplied with the uploaded XML document. The school

or program sponsor retrieves a compressed file that includes the transaction log and any generated I-20 or DS-2019 PDF files.

Exhibit 3: SEVIS Batch Data Transfer Process

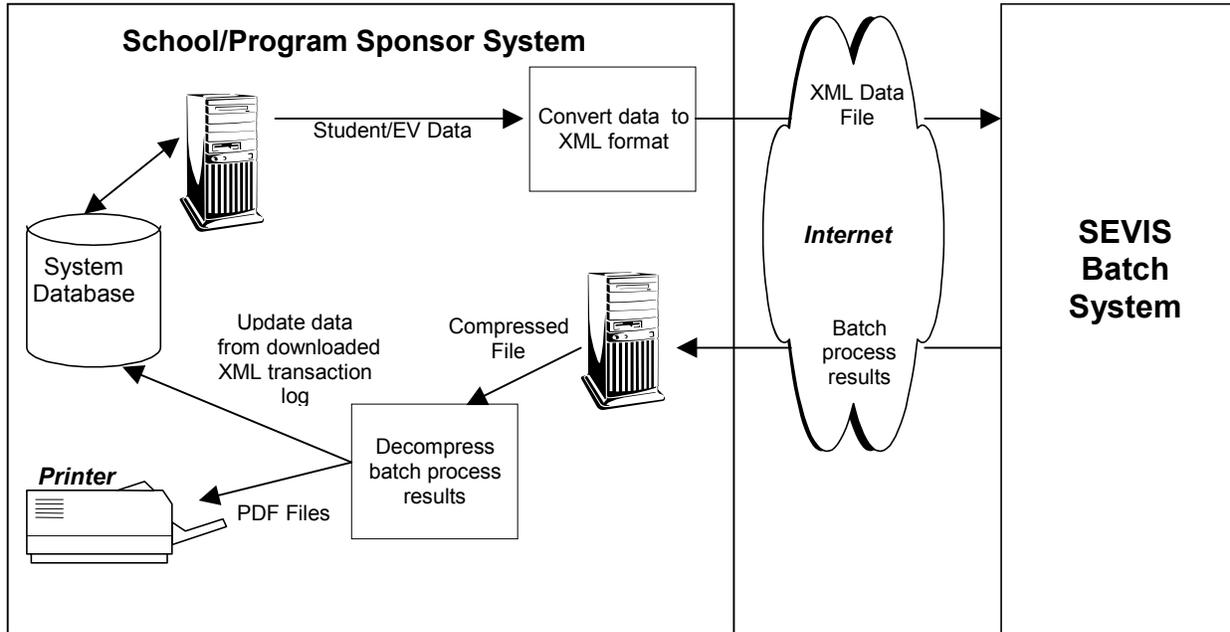


Exhibit 4, Batch Interface Data Transfers, summarize the types of data files, their format, and data transfer method.

Exhibit 4: Batch Interface Data Transfers

Data File Types	Uploaded to SEVIS	Downloaded from SEVIS	Format
Batch Data File (containing create and update requests for students, exchange visitors, and dependents)	Yes		XML
Transaction Log		Yes	XML
I-20 or DS 2019		Yes	PDF

Following are sizing estimates for SEVIS PDF files and the compressed files:

Single PDF Size

Average size of one I-20 PDF = 279KB

Average size of one DS-2019 PDF = 76KB

Estimated I-20 Size – Multiple Records - Unzipped

Estimated size of 100 I-20 PDF files = 28 MB

Estimated size of 250 I-20 PDF files = 68 MB

Estimated I-20 Size – Multiple Records - Zipped

Estimated size of zip file containing 100 I-20s = 22 MB

Estimated size of zip file containing 250 I-20s = 55 MB

Estimated DS-2019 Size – Multiple Records – Unzipped

Estimated size of 100 DS-2019 PDF files = 7.5 MB

Estimated size of 250 DS-2019 PDF files = 19 MB

Estimated DS-2019 Size – Multiple Records – Zipped

Estimated size of zip file containing 100 DS-2019s = 6.5 MB

Estimated size of zip file containing 250 DS-2019s = 16 MB

Estimated Transaction Log Size

The transaction log will be minimal in size.

2.4 Transactions

The following transactions are available through the SEVIS Batch Interface:

- Create-update student and dependent records in SEVIS
- Create-update exchange visitor and dependent records in SEVIS
- Download batch processing results for students and dependents
- Download batch processing results for exchange visitors and dependents

2.4.1 Create-Update Student and Dependent Data

Schools must correctly create their XML files for batch processing based on the SEVIS XML schemas. Schools must use the Create-Update Student and Dependent Schema to create the file to be uploaded. This schema specifies the header information and record formats, and includes a print request indicator for the appropriate create and update records. However, not all batch requests allow a print request. For instance, when terminating a dependent, the school may not request the generation of an I-20 PDF for that dependent.

The table in Appendix C, Create-Update Student and Dependent Data Elements, describes the data elements and definitions contained within the schema. The events listed in Exhibit 5, SEVIS Batch – RTI Event Matrix for Students and Dependents, are the events that can be performed for students and dependents through the batch interface. The I-20 Print Request Available column in the table identifies the events for which a school may request an I-20 PDF file for printing purposes.

**Exhibit 5: SEVIS Batch – RTI Event Matrix for Students
and Dependents**

Student Event (F-1, F-2, M-1, M-2)	Available for Students in Record Status	Available Through:		I-20 Print Request Available	Adjudicated Event
		RTI	Batch		
AuthDropBelowFC – Add	ACTIVE	Yes	Yes	Yes	No
AuthDropBelowFC – Cancel	ACTIVE	Yes	Yes	Yes	No
AuthDropBelowFC – Edit	ACTIVE	Yes	Yes	Yes	No
Biographical	INITIAL ACTIVE	Yes	Yes	Yes	No
CPTEmployment – Add *	ACTIVE	Yes	Yes	Yes	No
CPTEmployment – Cancel *	ACTIVE	Yes	Yes	Yes	No
Create Dependent	N/A	Yes	Yes	Yes	No
Create Student	N/A	Yes	Yes	Yes	No
Dependent – Add	INITIAL ACTIVE	Yes	Yes	Yes	No
Dependent – Cancel	INITIAL	Yes	Yes	No	No
Dependent – Edit	INITIAL ACTIVE	Yes	Yes	Yes	No

*Interface Control Document for the
Student and Exchange Visitor Information System Batch Interface*

Student Event (F-1, F-2, M-1, M-2)	Available for Students in Record Status	Available Through:		I-20 Print Request Available	Adjudicated Event
		RTI	Batch		
Dependent – Reactivate	INITIAL ACTIVE	Yes	Yes	Yes	No
Dependent – Reprint	INITIAL ACTIVE	Yes	Yes	Yes	No
Dependent – Terminate	INITIAL ACTIVE	Yes	Yes	No	No
Financial	INITIAL ACTIVE	Yes	Yes	Yes	No
OffCampusEmployment – Add *	ACTIVE	Yes	Yes	Yes	Yes
OffCampusEmployment – Cancel *	ACTIVE	Yes	Yes	Yes	No
OPTEmployment – Add	ACTIVE	Yes	Yes	Yes	Yes
OPTEmployment – Cancel	ACTIVE	Yes	Yes	Yes	No
Program – AddExtend	ACTIVE	Yes	Yes	Yes	Yes (M-1) No (F-1)
Program - CancelExtend	ACTIVE	Yes	Yes	Yes	No
Program – Complete	ACTIVE	Yes	Yes	No	No
Program – Defer	INITIAL	Yes	Yes	Yes	No
Program – EditInfo **	INITIAL ACTIVE	Yes	Yes	Yes	No
Program – EditLevel	ACTIVE	Yes	Yes	Yes	No
Program – Shorten	ACTIVE	Yes	No	N/A	No
Registration	INITIAL ACTIVE	Yes	Yes	Yes	No
Reprint	INITIAL ACTIVE	Yes	Yes	Yes	No
Request Reinstatement	COMPLETED TERMINATED	Yes	No	N/A	Yes

Student Event (F-1, F-2, M-1, M-2)	Available for Students in Record Status	Available Through:		I-20 Print Request Available	Adjudicated Event
		RTI	Batch		
ResumeCouseLoad	ACTIVE	Yes	Yes	Yes	No
Status – Cancel	INITIAL	Yes	Yes	No	No
Status – Confirm	ACTIVE	Yes	Yes	No	No
Status - DisciplinaryAction	ACTIVE	Yes	Yes	No	No
Status – Terminate	INITIAL ACTIVE	Yes	Yes	No	No
Transfer Student	ACTIVE COMPLETED TERMINATED	Yes	No	N/A	Yes (M-1) No (F-1)

* This functionality is available for F-1 students only.

** The Education Level field may only be updated when the student is in INITIAL status. All other Program Information fields may be updated when the student is in INITIAL or ACTIVE status.

2.4.2 Create-Update Exchange Visitor and Dependent Data

Program sponsors must create well-formed and valid documents conforming to the Create-Update Exchange Visitor and Dependent Schema. The table in Appendix D, Create-Update Exchange Visitor and Dependent Data Elements, describes the data elements and their definitions and provides some business processing rules associated with the elements.

The events listed in Exhibit 6, SEVIS Batch – RTI Event Matrix for Exchange Visitors and Dependents, are the events that can be performed for exchange visitors and dependents through the batch interface and those that must be performed through SEVIS RTI. The DS-2019 Print Request Available column in the table identifies the events for which a program may request a DS-2019 PDF file for printing on the user system.

**Exhibit 6: SEVIS Batch – RTI Event Matrix for Exchange Visitors
and Dependents**

Exchange Visitor Event (J-1 and J-2)	Available for Record Status	Available Through:		DS-2019 Print Request Available	Adjudicated Event
		RTI	Batch		
Biographical	INITIAL ACTIVE	Yes	Yes	Yes	No
Cancel Change of Category Request	ACTIVE	Yes	No	N/A	No
Cancel Extension Beyond Maximum Duration of Participation	ACTIVE	Yes	No	N/A	No
Cancel Reinstatement Request	INACTIVE	Yes	No	N/A	No
Create Dependent	N/A	Yes	Yes	Yes	No
Create Exchange Visitor	N/A	Yes	Yes	Yes	No
Dependent - Add	INITIAL ACTIVE	Yes	Yes	Yes	No
Dependent - Edit	INITIAL ACTIVE	Yes	Yes	Yes	No
Dependent - EndStatus	ACTIVE	Yes	Yes	No	No
Dependent - Reprint	INITIAL ACTIVE	Yes	Yes	Yes	No
Dependent - Terminate	ACTIVE INACTIVE	Yes	Yes	No	No
Extend Exchange Visitor Beyond Maximum Duration of Participation Request	ACTIVE	Yes	No	N/A *	Yes
Financial	INITIAL ACTIVE	Yes	Yes	Yes	No
Program – AddExtend	ACTIVE	Yes	Yes	Yes	No
Program – Amend	INITIAL	Yes	Yes	Yes	No

Exchange Visitor Event (J-1 and J-2)	Available for Record Status	Available Through:		DS-2019 Print Request Available	Adjudicated Event
		RTI	Batch		
Program – EditSubject	INITIAL ACTIVE	Yes	Yes	Yes	No
Program – Matriculate	ACTIVE	Yes	Yes	Yes	No
Reprint	INITIAL ACTIVE	Yes	Yes	Yes	No
Request Change of Category	ACTIVE	Yes	No	N/A *	Yes
Request Reinstatement	INACTIVE	Yes	No	N/A *	Yes
SiteOfActivity – Add	INITIAL ACTIVE	Yes	Yes	Yes	No
SiteOfActivity – Delete	INITIAL ACTIVE	Yes	Yes	Yes	No
SiteOfActivity – Edit	INITIAL ACTIVE	Yes	Yes	Yes	No
Status – CorrectInfraction	ACTIVE INACTIVE	Yes	Yes	Yes	No
Status – End	ACTIVE	Yes	Yes	No	No
Status – Terminate	ACTIVE INACTIVE	Yes	Yes	No	No
Transfer Exchange Visitor	ACTIVE	Yes	No	N/A	No
Validate	INITIAL TRANSFERRED	Yes	Yes	Yes	No

* Form DS-2019 may be printed through RTI once the request has been approved.

2.4.3 Download Batch Process Results for Students and Dependents

For each create or update student or dependent record successfully processed, SEVIS will generate the I-20 PDF form, if requested. The transaction log will contain the results of each record processed. The Download Batch Process Results for Students and Dependents transaction will allow the schools to retrieve a compressed file containing the transaction log and any generated I-20 PDF files. The Transaction Log Schema specifies the content of the SEVIS XML Transaction Log. Appendix E, Transaction Log Data Elements, contains the data descriptions and types for the transaction log.

2.4.4 Download Batch Process Results for Exchange Visitors and Dependents

For each create or update exchange visitor or dependent record successfully processed, SEVIS will generate the DS-2019 PDF form, if requested. The transaction log will contain the results of each record processed. The Download Batch Process Results for Exchange Visitors and Dependents transaction will allow the program sponsors to retrieve a compressed file containing the transaction log and any generated DS-2019 PDF files. Appendix E, Transaction Log Data Elements, contains the data descriptions and types for the transaction log.

2.5 Security and Integrity

To enforce data transmission security and data integrity, the SEVIS Batch Interface performs numerous security checks. These include the use of digital certificates to authenticate the sender's identity and Secure Sockets Layer (SSL) to encrypt the network packets prior to transmitting over the public Internet.

Any data sent to SEVIS through the batch interface must be sent from a school or program sponsor. Third parties are not authorized to send data to the SEVIS system.

During the batch interface registration process, the school/program sponsor must provide SEVIS their digital certificate. If the digital certificate information is successfully verified and the school or program sponsor is in a valid status in SEVIS, the user system can begin utilizing the SEVIS Batch Interface.

When the user system initiates a session using the batch interface, SEVIS will carry out the following security measures:

- Verification that the digital certificate presented has been registered by the school or program sponsor
- Encryption of all information communicated during the session
- Validation that all SEVIS User IDs are associated with the school/program sponsor identified by the digital certificate. User IDs are obtained via the XML userID root attribute on upload and via the `userID` parameter on download.

2.6 Batch Beta Testing

Beta Testing for SEVIS Batch-File Transfer Process commenced on September 23, 2002 for F/M functionality and on November 15, 2002 for J functionality.

2.6.1 Batch Beta Testing Site

SEVIS Batch Beta Testing will be conducted using a test configuration that duplicates the SEVIS Production environment. The link provided below is the URL for the Real Time Interactive SEVIS application that will be used for SEVIS Batch Beta Testing:

<https://egov.immigration.gov/sbtsevis>

This test site will be available to schools and vendors indefinitely.

2.6.2 Batch Beta Testing Procedures for F/M Functionality

Schools and Vendors must follow the procedures documented below to begin SEVIS Batch Beta Testing of the F/M functionality:

1. Contact the SEVIS Help Desk at 1-800-892-4829 and provide the information listed below.
 - Organization name
 - POC Name
 - POC e-mail address
 - Phone number
 - Category of school (F only, F and M, or M only)

The SEVIS Help Desk will provide a test school name and the User ID and password associated with the PDSO for the assigned school.

2. Schools/Vendors must use a VeriSign® Class 1 Certificate utilizing at least 128-bit encryption to successfully complete SEVIS Batch Beta Testing.
3. Schools/Vendors will use the assigned test User ID and password to log on to the test SEVIS RTI and register for SEVIS Batch.

The procedures for registering for SEVIS Batch processing are documented in the *Reference Manual for the Student and Exchange Visitor Information System Batch Interface* that is available from the DHS Web site.

Schools/Vendors may add users and update the I-17 of their assigned test school, however, it is requested that the Seattle zip code not be changed so that the test schools all remain within the jurisdiction of the Seattle District Office. Maintaining all test schools in a single District Office simplifies the adjudication of updates.
4. Schools/Vendors create and upload test batch files.
5. SEVIS will verify the registration, the PDSO User ID, and digital certificate, and validate the upload file against the approved SEVIS XML schema. SEVIS will then apply the requested actions in the upload file to the test SEVIS database, e.g., create new student records or update existing student records. These records may be viewed by accessing SEVIS RTI using the User ID and password assigned to your institution.

NOTE: Processing of Batch files in the Batch Beta Test environment is completed on a continuous basis throughout the day.
6. A transaction log will be created documenting the results of the schema validation and business rule processing.
7. Schools/Vendors download the transaction log and review the file for any possible validation errors or processing errors.

2.6.3 Batch Beta Testing Procedures for J Functionality

Batch Beta Testing for J functionality will follow procedures similar to the F/M process. If your institution has already been assigned a test school, we request that you use the same User ID to establish a Program for testing of the J functionality.

The steps described below should be completed to register in the SEVIS Batch Beta Testing environment for J functionality.

1. Access the Batch Beta Testing web site at <https://egov.immigration.gov/sbtsevis> and select the Register for New Account link from the SEVIS Log in Page.
2. Enter the required information and select the option to “Apply for Designation by the DoS to admit J Exchange Visitors.”
3. Complete registration by clicking on the “Submit” button. You will receive two e-mails from SEVIS; one e-mail containing the temporary User ID assigned for the purposes of creating a DS-3036 form and a second e-mail providing a link to the SEVIS Set Password page.
4. Complete the password assignment for the temporary User ID you received and log into SEVIS.
5. Complete the form DS-3036 as desired for the test Program you wish to establish. When you are requested to add officials on Page 4:
 - If you have already been assigned a test school for F/M functionality testing, select Add Existing Official and enter the User ID for the PDSO of your assigned test school. This will ensure that the RO and PDSO use the same User ID. This is consistent with processes in the SEVIS Production environment.
 - If you do not have an assigned test school, select Add New Official, enter the relevant information for the individual who will be the RO for your institution’s Batch Beta Testing.
6. Complete the remainder of the form DS-3036 and submit the form for approval. The SEVIS Help Desk will review and approve the form. Please ignore any instructions regarding mailing in hard copy forms or making payments.
7. Once the DS-3036 has been approved, you will receive e-mails from SEVIS notifying you that your program has been approved and providing you with your User ID and link to the SEVIS Set Password page. Access SEVIS to set your password and then log into the SEVIS Batch Beta Test environment.
8. From the listing on the Main SEVIS page, select your program and then select Register for Batch Processing.

The procedures for registering for SEVIS Batch processing are documented in the *Reference Manual for the Student and Exchange Visitor Information System Batch Interface* that is available from the DHS Web site.
9. Programs/Vendors create and upload test batch files.
10. SEVIS will verify the registration, the RO/ARO User ID, and digital certificate, and validate the upload file against the approved SEVIS XML schema. SEVIS will then apply the requested actions in the upload file to the SEVIS database, e.g., create new exchange visitor records or update existing exchange visitor records. These records may be viewed by accessing SEVIS RTI using the User ID and password assigned to your institution.

NOTE: Processing of Batch files in the Batch Beta Test environment is completed on a continuous basis throughout the day.

11. A transaction log will be created documenting the results of the schema validation and business rules processing.
12. Programs/Vendors download the transaction log and review the file for any possible validation errors or processing errors.

Detailed instructions for accessing SEVIS, setting passwords, and using the system are provided in the SEVIS User Manuals posted on the DHS SEVIS web site.

2.6.4 Support for Batch Beta Testing

The SEVIS Help Desk is available to provide limited support for Batch Beta Testing. While several of the SEVIS Help Desk personnel are former XML developers, they cannot assist with actual development or troubleshooting of your batch interface software. The SEVIS Help Desk can provide the latest versions of the XML schemas as well as sample upload files for use in troubleshooting your application.

3. SEVIS BATCH SPECIFICATIONS

The specific file formats utilized by the SEVIS Batch Interface for data exchange are the following:

- UTF-8—an American Standard Code for Information Interchange (ASCII)-compatible multi-byte Unicode and Universal Character Set (UCS) encoding format for XML
- Device independent and resolution independent PDF

All XML files must be well formed XML and SEVIS XML schema compliant. The SEVIS XML schemas comply with the current XML recommendation defined by the World Wide Web Consortium (W3C).

3.1 SEVIS Batch File Specifications

The SEVIS Batch Interface will utilize multiple XML schemas. The following schemas will be used by the schools/program sponsors to provide data to SEVIS:

- Create-UpdateStudent.xsd - Defines the required format of the data file containing student information uploaded to SEVIS.
- Create-UpdateExchangeVisitor.xsd - Defines the required format of the data file containing exchange visitor information uploaded to SEVIS.

SEVIS will use the following XML schema to provide data to the user systems:

- SEVIS_TransLog.xsd - Defines the format of the transaction log file that is downloaded from SEVIS.

SEVIS will use the following XML schemas internally:

- Common.xsd - Defines generic data structures that are referenced in Create-UpdateStudent.xsd.
- SEVISTable.xsd - Contains the codes referenced in Create-UpdateStudent.xsd and Create-UpdateExchangeVisitor.xsd.

Note that XML does not allow certain special characters. Instead of using those characters, certain entity references may be used. The table in Exhibit 7, Special Characters Not Allowed in XML, provides the characters which are not allowed and the entity reference that may be used instead.

Exhibit 7: Special Characters Not Allowed in XML

Special Character	Entity Reference
<	< or &lt;
&	& or &amp;
"	"
>	>
'	'

The following sections explain each schema and provide data descriptions, options, and types.

3.1.1 Create-Update Student File Specifications

The Create-Update Student and Dependent schema (Create-UpdateStudent.xsd) may be used by schools to prepare XML documents for processing by SEVIS. Only schools that have been certified by the DHS to admit academic and language and/or vocational students (visa classes F and M) are permitted to transmit data to SEVIS. The document will be populated with student and dependent data by the school system and sent to SEVIS. Each document uploaded to SEVIS must include a SEVIS UserID of the Principal Designated School Official (PDSO) and the SEVIS school code assigned during certification.

The User ID of the PDSO is used to indicate approval that the data contained in the document is accurate. Each individual record in the file must have the SEVIS User ID of the PDSO or DSO authorizing the create or update action and a unique transaction ID for reference purposes. The document may contain new student and dependent information or updates to existing students or dependents. Any update to student or dependent information must contain the SEVIS ID associated with that student or dependent.

Appendix C, Create-Update Student and Dependent Data Elements, contains the data descriptions, types, and options available for this schema. Refer to Section 3.2, SEVIS Batch Interface Communication Methods, for a description on how to initiate the interface with SEVIS to upload this data.

3.1.2 Create-Update Exchange Visitor File Specifications

The Create-Update EV and Dependent schema (Create-UpdateExchangeVisitor.xsd) may be used by program sponsors to prepare XML documents for processing by SEVIS. Only program sponsors that have been designated by the DoS to admit exchange visitors (visa class J) are permitted to transmit data to SEVIS. The file will be populated with exchange visitor and dependent data by the program sponsor system and sent to SEVIS. Each document uploaded to SEVIS must include a SEVIS UserID of the Responsible Officer (RO) or Alternate Responsible Officer (ARO) and the SEVIS program number assigned during designation.

The User ID of the RO or ARO is used to indicate approval that the data contained in the document is accurate. Each individual record in the document must have the SEVIS User ID of the RO or ARO authorizing the create or update action and a unique transaction ID for reference purposes. The document may contain new exchange visitor and dependent information or updates to existing exchange visitors or dependents. Any update to an exchange visitor or dependent must contain the associated SEVIS ID.

Appendix D, Create-Update EV and Dependent Data Elements, contains the data descriptions, types, and options. Refer to Section 3.2, SEVIS Batch Interface Communication Methods, for a description on how to initiate the interface with SEVIS to upload this data.

3.1.3 Transaction Log File Specifications

The SEVIS Transaction Log (SEVIS_TransLog.xsd) is used by SEVIS to report progress and status of the batch submittal to schools and programs. Refer to SEVIS Batch Interface Communication Methods for a description on how to retrieve the compressed file containing the transaction log. The information provided should be used to update school or program system with newly generated SEVIS IDs.

The header portion of the transaction log is identical to the headers in Create-UpdateStudent.xsd and Create-UpdateExchangeVisitor.xsd. In other words, they all use the same shared element structure defined in common.xsd. This structure contains: BatchID and OrgID.

The batch detail portion of the transaction log is dividing into three sections: Upload, Process, and Download. Each section is described below. For further information, see Appendix E.

Upload

- Disposition of upload - General Disposition Codes (also known as upload resultCode)
- Upload date/time
- Name of file uploaded
- XML schema validation result
- XML schema validation error code (if applicable)
- XML schema validation error message (if applicable)

Process

- Disposition of process (resultCode)
- Process date/time
- Request number of records (total)
- Count of processed records (success)
- Count of validation exception records (failure)
- Record-specific results:
 - Unique Request ID included in request

- SEVIS ID (student / visitor)
- SEVIS User ID included in request
- Date/Time request was processed
- Business rules validation result (pass/fail)
- Business rules validation error code (if applicable)
- Business rules validation error message (if applicable)
- Data element in error (included in the error message)
- User-defined field A (principal)
- User-defined field B (principal)
- Dependent-specific results:
 - SEVIS ID (dependent)
 - User-defined field A (dependent)
 - User-defined field B (dependent)

NOTE: All business rule validation exceptions are returned at the principal level.

Download

- Disposition of download (resultCode)
- Date/time of download attempt

Appendix E, Transaction Log Data Elements, contains the data descriptions, types, and options.

3.1.4 SEVIS Upload Results File Specifications

SEVIS Upload results are defined in the SEVISTransLog schema in the BatchDetail Upload structure. See Appendix E, Transaction Log Data Elements for more information.

3.1.5 SEVIS Validation/Lookup Tables

Exhibit 8, SEVIS Student and Dependent Lookup Tables; Exhibit 9, SEVIS Exchange Visitor and Dependent Lookup Tables; and Exhibit 10, SEVIS Common Lookup Tables, provide a list of lookup tables used by SEVIS. The tables are available from the DHS SEVIS web site.

Exhibit 8: SEVIS Student and Dependent Lookup Tables

Table	Table Name	Description
Dependent Cancel Reason Codes	DependentCancelReason	Reasons for canceling a dependent's Form I-20
Dependent Termination Codes	DependentTerminationReason	Reasons for terminating a dependent's status (F-2, M-2)
Drop Below Full Course Reason Codes	DropBlwfull	Reasons for an F-1 or M-1 student dropping below a full course of study
Education Level Codes	EduLevelCode	Education levels for students
Employment Time Codes	EmploymentTime	Types of employment (Full-Time or Part-Time)
Off-Campus Employment Reason Codes	OffCampusEmploymentCode	Reasons why a student may be permitted to work off-campus
Student Reprint Request Reason Codes	StudentReprintRequestReason	Reasons for requesting a reprint of a dependent's Form I-20
Student Cancel Reason Codes	StudentCancelReason	Reasons for canceling a student's Form I-20
Student Creation Reason Codes	StudentCreationReason	Reasons for creating a student record in SEVIS
Student Termination Reason Codes	StudentTerminationReason	Reasons for terminating a student
Status Code	StatusCode	Status code associated with student record, e.g., Active, Initial
Student Visa Type Codes	StudentVisaCode DependentFMVisa	Visa types for F/M students and their dependents

Exhibit 9: SEVIS Exchange Visitor and Dependent Lookup Tables

Table	Table Name	Description
Dependent End Program Codes	DependentCompletion	Codes representing the reasons for ending a program for an exchange visitor's dependent
End Program Reason Codes	EVCompletionCode	Reasons for ending the program for an exchange visitor
Exchange Visitor Category Code Type	EVCategoryCode	Codes representing the program categories for exchange visitors
Exchange Visitor Creation Reason Codes	EVCreateReason	Reasons for creating an exchange visitor record in SEVIS
Exchange Visitor Dependent Termination Codes	EVDepTerminationReason	Codes representing the reasons a dependent could be terminated
Exchange Visitor Position Code Type	EVPositionCode	Codes representing the position held by the exchange visitor in his/her home country
Exchange Visitor Reprint Request Reason Codes	EVReprintRequestReason	Reasons for requesting a reprint of the exchange visitor's Form DS-2019
Exchange Visitor Termination Reason Codes	EVTerminationReason	Reasons for terminating an exchange visitor's status
Infraction Codes	EVInfractionCode	Codes used to correct minor or technical infraction for an exchange visitor
International Organization Codes	InternationalOrgCode	Codes representing international organizations that provide funding to exchange visitors
Matriculation Codes	Matriculation	Code representing the matriculation type for the exchange visitor
U.S. Government Agency Codes	GovAgencyCode	Codes representing U.S. Government agencies that provide funding to exchange visitors

Table	Table Name	Description
Exchange Visitor Visa Type Codes	EVVisaCode	Visa types for exchange visitors and their dependents

Exhibit 10: SEVIS Common Lookup Tables

Table	Table Name	Description
Country Codes	CntryCode	Country codes as defined by Federal Information Processing Standards (FIPS 10-4), National Imagery and Mapping Agency
Dependent Type Codes	DependentCode	Dependent Type (spouse or child)
Gender Codes	GenderCode	Codes used to represent student, exchange visitor, or dependent gender (Male, Female, or Unknown)
Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors	ProgSubjectCode	Classification of Instructional Programs: Year 2000 (CIP 2000), National Center for Education Statistics
Name Suffix Codes	NameSuffixCode	Codes used to represent the student, exchange visitor, or dependent name suffix, e.g., Jr., Sr.
Ports of Entry Codes	PoeCode	Codes associated with the ports of entry to the U.S.
State Codes	StateCode	Two-digit codes representing the U.S. states
Visa Issuance Post Codes	VisaPostCode	Codes representing the consulate office that issued the student's visa

3.2 SEVIS Batch Interface Communication Methods

The SEVIS Batch Interface will use SSL and HTTPS to communicate with user systems over the Internet. The user system accessing SEVIS must have its registered VeriSign digital certificate installed. Once the user system has been validated by presenting the certificate, file transfer between the two systems can proceed.

Section 2.6, Batch Beta Testing, provides instructions for the schools and program sponsors on the registration and beta testing processes for the SEVIS Batch Interface.

Exhibit 3-1: Sample Commands

Transaction	Command
Student and Dependent data Upload EV and Dependent data Upload	POST /BatchUploadService/NameOfExecutable HTTP/1.1 Referer: http://www.acmestate.edu/UploadProgram Host: SEVIS-Batch.gov:443 Content-Length: 999 Expect: 100-continue Content-Type: multipart/form-data; boundary=[someboundaryvalue] Connection: close [someboundaryvalue] Content-Disposition: form-data; name="BatchDataFileName.xml" Content-Type: text/xml; charset=utf-8
Download Student and Dependent Data Download EV and Dependent Data	GET /BatchUploadService/NameOfExecutable?OrgID=XXX214F12345123&userID =username&BatchID=20020101123000 HTTP/1.1 Accept-Encoding: compress, winzip, gzip, deflate Host: SEVIS-Batch.gov:443 Connection: close

APPENDIX A – ACRONYMS

APPENDIX A – ACRONYMS

2D	Two-dimensional
ARO	Alternate Responsible Officer
ASCII	American Standard Code for Information Interchange
CA	Certificate Authority
CIP 2000	Classification of Instructional Programs: Year 2000, National Center for Education Statistics
CPT	Curricular Practical Training
DHS	Department of Homeland Security
DoS	Department of State
dpi	Dots Per Inch
DSO	Designated School Officials
DTD	Document Type Definition
ED	Department of Education
EST	Eastern Standard Time
EV	Exchange Visitor
FIPS	Federal Information Processing Standard
FRD	Functional Requirements Document
HTTP	Hypertext Transfer Protocol
HTTPS	Hypertext Transfer Protocol Secure
ICD	Interface Control Document
ID	Identification
IP	Internet Protocol

*Interface Control Document for the
Student and Exchange Visitor Information System Batch Interface*

LZW	Lempel-Ziv Welch compression algorithm
MB	megabyte
MQ	Message Queue
OIRM	Office of Information Resources Management
OPT	Optional Practical Training
PDSO	Principal Designated School Official
PDF	Portable Document Format
RO	Responsible Officer
RTI	Real-Time Interactive
SEVIS	Student and Exchange Visitor Information System
SEVP	Student and Exchange Visitor Program
SSL	Secure Socket Layer
TCP	Transmission Control Protocol
TCP/IP	Transmission Control Protocol/Internet Protocol
UCS	Universal Character Set
URI	Uniform Resource Indicator
UTF-8	UCS Transformation Format 8
W3C	World Wide Web Consortium
XML	Extensible Mark-up Language
XSD	XML Schema Definition

**APPENDIX B – SEVIS BATCH PROCESS: DISPOSITION AND
VALIDATION FAILURE CODES**

APPENDIX B – SEVIS BATCH PROCESS: DISPOSITION AND VALIDATION FAILURE CODES

Disposition Groups

Disposition Groups	
Range	Purpose
S0001-S0009	General failure codes
S0010-S0019	Upload-specific failure codes
S0020-S0029	Process-specific failure codes
S0030-S0039	Download-specific failure codes

Note: *** Not used in SEVIS Release 5.0

General Disposition Codes

General Disposition Codes				
Code	Description	Used By		
		Upload	Process	Download
S0000	Success	Yes	Yes	Yes
S0001	General upload/download failure	Yes	No	Yes
S0002	Invalid organization information	Yes	No	Yes
S0003	Invalid user name	Yes	No	Yes
S0004	***			
S0005	***			
S0006	***			
S0007	***			
S0008	***			
S0009	***			

Upload-Specific Disposition Codes

Upload-Specific Disposition Codes	
Code	Description
S0010	Duplicate batch ID
S0011	File name invalid
S0012	XML is not well-formed; Batch ID and / or Org ID missing from header
S0013	XML does not comply with SEVIS schema. The full transaction log may be downloaded immediately for details
S0014	***
S0015	***
S0016	***
S0017	***
S0018	***
S0019	***

Process-Specific Disposition Codes

Process-Specific Disposition Codes	
Code	Description
S0020	Batch file is in queue but has not been processed yet
S0021	One or more records failed processing due to business rule violations (see <Process. Record. Result> element for details)
S0022	***
S0023	***
S0024	***
S0025	***
S0026	***
S0027	***
S0028	***
S0029	***

Download-Specific Disposition Codes

Download-Specific Disposition Codes	
Code	Description
S0030	***
S0031	***
S0032	***
S0033	***
S0034	***
S0035	***
S0036	***
S0037	***
S0038	***
S0039	***

F/M Eligibility Processing Errors

F/M Eligibility Processing Errors	
Code	Description
S1001	User ID is invalid
S1002	User is prohibited from performing this action
S1003	***
S1004	Student exists in the SEVIS database
S1005	***
S1006	Spouse already exists
S1007	***
S1008	***
S1009	Program start date must be prior to program end date
S1010	Program start date must be equal to or after today's date
S1011	Program start date must be in the past
S1012	***
S1013	***
S1014	Dependents must be born on or after [current date - 21 years]
S1015	***
S1016	Program start date must be within twelve months of program end date
S1017	***

*Interface Control Document for the
Student and Exchange Visitor Information System Batch Interface*

F/M Eligibility Processing Errors	
Code	Description
S1018	***
S1019	***
S1020	OPT end date must be within fourteen months of program end
S1021	OPT total exceeds allowable maximum
S1022	OPT training prohibited because CPT maximum already used
S1023	***
S1024	Financial expense must be less than financial funding
S1025	Student is prohibited from enrolling in this coursework
S1026	Campus ID is missing
S1027	English language schools are prohibited from requesting CPT employment
S1028	Overlap is prohibited between CPT employment segments
S1029	CPT employment start and end dates are prohibited exceeding one year
S1030	CPT Employment start date are prohibited to occur before an existing CPT employment end date
S1031	Current session end date must be equal to or later than next session start date
S1032	Current session end date must be equal to or after today's date
S1033	Dependent visa type does not match student visa type
S1034	Dependents terminated for 'other' reason must provide remarks
S1035	Invalid education level for public institution
S1036	Invalid education level for CPT request
S1037	Must have pending status to cancel request
S1038	OPT request must be made prior to the program end date
S1039	Employment start date must be prior to employment end date
S1040	Program end date must be within twelve months of the original program end date for this visa type
S1041	Program end date must be within three years of the original program start date for this visa type
S1042	A M-1 student is prohibited from updating program end date except when the current date is within sixty and fifteen days prior to the current program end date
S1043	New program end date is prohibited prior to current program start date
S1044	OPT employment start date is prohibited prior to an existing OPT employment end date
S1045	OPT employment is prohibited for student authorized to drop below full course for reason other than to complete course of student in current term
S1046	OPT request is prohibited except when the current date is within ninety days of the program end date for this visa type
S1047	OPT start date must be after program end date for this visa type
S1048	School Code is missing
S1049	School is prohibited from creating and modifying students for this visa type

F/M Eligibility Processing Errors	
Code	Description
S1050	Education secondary majors and education minors are prohibited for student of this visa type
S1051	Start date must be prior to current program end date
S1052	Start date must be within five months of today's date
S1053	Student is prohibited for commuter status due to country of citizenship
S1054	Student status must be active for this action
S1055	Invalid reason for authorizing student to drop below full course of study
S1056	Invalid student visa type for this action
S1057	Student status must be initial for this action
S1058	Student country of citizenship can not be 'US'
S1059	Student terminated for failure to maintain status requires remarks
S1060	Invalid termination reason for student of this visa type
S1061	Education code requires remarks
S1062	Invalid education code for student of this visa type
S1063	US address is required
S1064	US address prohibits a post office box
S1065	OPT training can not exceed twelve months for this student visa type
S1066	Authorized drop below start date must be prior to end date
S1067	Birth date must be prior to today's date
S1068	Cannot cancel a student who has already arrived to the US
S1069	Duplicate record found in SEVIS
S1070	Authorization date cannot overlap with another segment
S1071	Authorized end date cannot be more than 12 months from authorized start date for this visa type.
S1072	Authorized end date cannot be more than 5 months from authorized start date for this visa type.

J Eligibility Processing Error Codes

J Eligibility Processing Errors	
Code	Description
S2001	Invalid SEVIS ID: #error_field1#
S2003	Invalid data: #error_field1#
S2004	#error_field1# is after #error_field2#
S2005	Invalid document number: #error_field1#
S2011	#error_field1# is an invalid past date

*Interface Control Document for the
Student and Exchange Visitor Information System Batch Interface*

S2014	#error_field1# age is under #error_field2#
S2015	#error_field2# is more than the required
S2019	Incomplete data in the field(s) of #error_field1#
S2021	Program form allotment exceeded
S2101	Country or subject is in DHS watch list
S2111	EV's age is under 18 years on #error_field2#
S2112	EV's age is over 26 years on #error_field2#
S2113	EV's age is under 15 years on #error_field2#
S2114	EV's age is over 18.5 years on #error_field2#
S2115	Invalid minimum duration: EV duration is shorter than #error_field3#
S2116	Invalid maximum duration: EV duration is longer than #error_field3#
S2118	EV's program duration is not correct (too short or too long)
S2119	More than one spouse was found: #error_field1# can not be a spouse
S2121	#error_field1# is over 21 years of age and can not be a child dependent
S2122	Change of category is invalid
S2123	Change of status is pending: this action cannot be performed
S2124	EV status #error_field1# is not valid for this action
S2125	EV status #error_field1# is not valid for minor or technical infraction action: #error_field2#
S2126	Minor or technical infraction can only have a status of 'ACTIVE' or 'INACTIVE': current status is #error_field1#
S2127	Minor or technical infraction requires remarks
S2128	Failure to extend DS-2019: not within #error_field1# days of program end date
S2129	Site of activity requested for deletion does not match an existing site of activity
S2130	Remarks are required when 'OTHER' is selected as a termination code
S2133	Birthdate cannot be in the future
S2141	EV exists in the SEVIS database
S2151	#error_field1# cannot be less than 1.00
S2152	The total of #error_field1# cannot be less than 1.00
S2154	Invalid user name
S2155	User is not valid for this program
S2156	User is not a RO or ARO
S2157	Program is not active
S2158	User is not active
S2159	Invalid category code: #error_field1# is not valid for this program

**APPENDIX C – CREATE-UPDATE STUDENT AND
DEPENDENT DATA ELEMENTS**

APPENDIX C – CREATE-UPDATE STUDENT AND DEPENDENT DATA ELEMENTS

The data elements described in the table shown below relate to the schema entitled “Create-UpdateStudent.xsd”. When an element is marked with “R*” in the Required/Optional column, this indicates that the element is required under certain circumstances. For example, the structure to which the element belongs is Optional, however, if that structure is present in the upload file, the elements of that structure marked with “R*” are required.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
SEVISBatchCreateUpdateStudent	R	Structure		SEVIS Batch create or update student	Structure used to provide information for creating/updating student records.
(userID)	R	String	10	SEVIS User ID	SEVIS user ID of the PDSO for the school/campus that is submitting the Batch file.
BatchHeader	R	Structure		Header	Structure used to provide the header elements identifying the batch upload.
BatchID	R	String	14	Batch file identifier	Unique identifier assigned by the school for the batch upload file. Must be unique to the school for each data file uploaded. Use of date-time stamp is recommended.
OrgID	R	String	15	School code	School code assigned by the DHS when school was approved in SEVIS, e.g., WAS214F12345123.
CreateStudent	O	Structure		Create student request	Structure used when creating new student records. Structure is optional; however, if structure is used, elements identified as “R*” must be provided.
Student	R*	Structure		Student information	Structure used to provide the required and optional information for the new student. A maximum of 250 create student and 250 update student requests may be included in each upload file.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
(requestID)	R*	String	20	Request identifier	Individual record identifier assigned by the school must be provided for each record included in the upload file. Identifier must be unique within the upload file.
(userID)	R*	String	10	SEVIS user ID	SEVIS user ID for the PDSO/DSO responsible for the student record. Name associated with this user ID will be shown in signature block on I-20 PDF file, if print request indicator is TRUE.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
StudentBioInfo	R*	Structure		Student biographical information	Structure used to provide biographical information for the student.
FullName	R*	Structure		Full name	Structure used to provide the full name elements for the student.
LastName	R*	String	40	Last name	Last name of student. If student has only one name, the name is provided in this element.
FirstName	O	String	40	First name	First name of student.
MiddleName	O	String	40	Middle name	Middle name of student.
Suffix	O	String	3	Suffix code (Format: Jr., Sr., I, II, III, IV)	Name suffix for student, e.g., Jr., III (See table entitled Name Suffix Codes)
BirthDate	R*	Date	10	Birth date (Format: yyyy-MM-dd)	Birth date of student.
Gender	R*	String	1	Gender (Format: M = Male, F = Female, or U = Unknown)	Student's gender. A value is available to indicate the student's gender is unknown. (See table entitled Gender Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
BirthCountryCode	R*	String	2	Country of birth	Student's country of birth. Two-digit code associated with the student's country of birth must be provided. Codes are provided for countries that have changed names or no longer exist. (See table entitled Country Codes)
CitizenshipCountryCode	R*	String	2	Country of citizenship	Student's country of citizenship. Two-digit code associated with the student's country of citizenship must be used. (See table entitled Country Codes)
Commuter	O	Boolean	1	Commuter student (Format: 1 or true; 0 or false)	Indicator of whether student is a commuter student. Commuter student indicator is valid only for students whose country of citizenship is Canada or Mexico. Commuter students are not required to provide U.S. address data.
VisaType	R*	String	2	Visa classification type	Visa classification assigned to student. Code associated with the visa type must be provided. (See table entitled Student Visa Type Codes)
IssueReason	R*	Structure		Issue reason	Structure used to provide reason the student record is being created in SEVIS. This structure is a mutually exclusive choice.
Initial	R*	String	1	Initial student (Value: I)	Field indicating that student is an Initial student at your school. (See table entitled Student Creation Reason Codes)
OtherInfo	O	Structure		Other student information	Structure used to provide additional information about the new student. This structure is optional and all elements within the structure are optional.
AdmissionNumber	O	String	11	Admission number	I-94 Admission number assigned to student at port of entry into U.S.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
DriverLicense	O	Structure		Driver's license	Structure used to provide student's U.S. driver's license information. Structure is optional.
LicNumber	O	String	30	Driver's license number	Student's U.S. driver's license number.
LicState	O	String	2	State that issued driver's license	U.S. state that issued the student's driver's license. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)
SSN	O	String	9	Social Security Number (Format: Numeric only, no dashes, e.g., 123456789)	Student's Social Security Number.
TaxID	O	String	9	Tax payer ID (Format: Numeric only, no dashes, e.g., 123456789)	Student's tax payer identification number.
ForeignAddr	R*	Structure		Foreign address information	Structure used to provide student's foreign address information. Must be provided for all new student records.
FrnAddr1	R*	String	60	Foreign address line 1	First line of student's foreign street address.
FrnAddr2	O	String	60	Foreign address line 2	Second line of student's foreign street address.
FrnCity	O	String	60	Foreign city	City associated with student's foreign address.
FrnProvince	O	String	30	Foreign province	Province of student's foreign address.
CountryCode	R*	String	2	Country code	Country of student's foreign address. Two-digit code associated with student's country of residence must be used. (See table entitled Country Codes)
FrnPostalCode	O	String	20	Postal code (Format: Alpha/Numeric)	Postal code/number for student's foreign address.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
USAddr	O	Structure		U.S. address	Address where student will reside while in the U.S. U.S. address is not required for issue reasons of Initial Attendance. When U.S. address structure is used, the elements within this structure marked "R*" must be provided.
USAddr1	R*	String	60	Address line 1	First line of street address for student's U.S. address. .
USAddr2	O	String	60	Address line 2	Second line of street address for student's U.S. address.
USCity	R*	String	60	City	City for student's U.S. address
USState	R*	String	2	State	State for student's U.S. address. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)
USPostalCode	R*	String	5	Zip code	Zip code for student's U.S. address.
USPostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for student's U.S. address.
EducationalInfo	R*	Structure		Education information	Structure used to provide information related to student's selected education level and major/minor.
EduLevel	R*	String	2	Education level	Indicator for educational level student is pursuing. Education level is not the same for F classification students and M classification students. See Exhibit 11, Student Education Levels, at end of this table for information on allowed values. (See table entitled Education Level Codes)
EduComment	O	String	500	Remarks	Text field for providing remarks related to the student's education level.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
PrimaryMajor	R*	String	7	Primary major code (Format: 12.1234) (NOTE: The code sent to SEVIS should include the decimal point.)	Code from CIP 2000 list of codes that represents student's primary major. For dual majors, you must select one major to be primary and one to be secondary. (See table entitled Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors)
SecondMajor	O	String	7	Secondary major code (Format: 12.1234) (NOTE: The code sent to SEVIS should include the decimal point.)	Code from CIP 2000 list of codes that represents student's secondary major. Used for those students who have dual majors. (See table entitled Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors)
Minor	O	String	7	Minor code (Format: 12.1234) (NOTE: The code sent to SEVIS should include the decimal point.)	Code from CIP 2000 list of codes that represents student's minor. (See table entitled Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors)
LengthOfStudy	R*	String	2	Length of study	Number of months normally required for completing the program that the student will be undertaking.
PrgStartDate	R*	Date	10	Program start date (Format: yyyy-MM-dd)	Date the student's program will begin. Student cannot enter the U.S. more than 30 days prior to program start date. Program start date must be AFTER current date.
PrgEndDate	R*	Date	10	Program end date (Format: yyyy-MM-dd)	Date the student's program will be completed.
EngProficiency	R*	Structure		English language proficiency	Structure used to indicate whether your school requires English proficiency and whether the student is proficient in the language.
EngRequired	R*	Boolean	1	English proficiency required? (Format: 1 or true; 0 or false)	Indicator that school does or does not require English proficiency.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
RequirementsMet	O	Boolean	1	English proficiency requirements met? (Format: 1 or true; 0 or false)	Indication whether student meets the English proficiency required for the program at your school. This element must be provided if the value provided in EngRequired element is 1 or true.
NotRequiredReason	O	String	500	Not required reason	Text field for explanation if English proficiency is not required at your school, e.g., student will attend English language courses as part of his/her program. This element must be provided if the value provided in EngRequired element is 0 or false.
StudentFinancial	R*	Structure		Student financial information	Structure used to provide financial requirements and funding available to the student.
AcademicTerm	R*	String	2	Number of months in the academic term (Format: Integer only)	Number of months the student will attend courses during one academic term. The maximum value is 12 months.
FinancialExpense	R*	Structure		Expenses	Structure used to provide information on expenses that must be paid by the student. Information should provided for one academic term.
Tuition	R*	Integer	10	Tuition expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of tuition expenses that must be paid by the student. Amount of any scholarship(s) should not be deducted. Scholarship information should be included in SchoolFunds structure. Amount can not be less than 1.
LivingExpense	R*	Integer	10	Living expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of living expenses that must be paid by the student. Amount can not be less than 1.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
DependentExp	O	Integer	10	Dependent expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of expenses that must be paid by the student to support dependent(s). Required only if student will be accompanied by dependents and dependents will be included in the Create- Student request. Amount can not be less than 1.
OtherExp	O	Structure		Other expenses	Structure used to identify other expenses that must be paid by student. Structure is optional; however, if structure is used, elements identified as "R*" must be provided.
Amount	R*	Integer	10	Other expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total of other expenses that student must pay. Amount can not be less than 1.
OtherExpDesc	R*	String	500	Explanation for other expenses	Text field for explanation of other expenses that student must pay.
Funding	R*	Structure		Funding	Structure used to identify funding that is available to the student.
PersonalFunds	R*	Integer	10	Personal funds (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of personal funds available to the student for use in paying for expenses. Amount can not be less than 1.
SchoolFunds	O	Structure		School funding	Structure used to identify funding being provided by the school. This structure is optional; however, if structure is present, elements identified by "R*" must be provided.
Amount	R*	Integer	10	Amount of funding (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of funding being provided by the school.. Amount can not be less than 1.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
SchoolFundDesc	R*	String	500	School funding explanation	Text field to explain source of funding being provided by the school.
OtherSourceFunds	O	Structure		Other source of funding	Structure used to identify the amount and source of other funding being provided to the student. Structure is optional; however, if structure is present, elements identified by "R*" must be provided.
Amount	R*	Integer	10	Amount of other funding (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of other funding available to the student. Amount can not be less than 1.
OtherFundDesc	R*	String	500	Description of other funding	Text field used to describe the source of other funding.
EmploymentFunds	O	Integer	10	Employment funds (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of funds available to the student through on-campus employment. This element is valid for F-1 classification students only. Amount can not be less than 1.
FundingRemarks	O	String	500	Additional remarks on funding	Text field available to enter general remarks associated with the funding information.
CreateDependent	O	Structure		Dependent information	Structure used to create a record for dependents that will accompany student to the U.S. A maximum of 25 dependents per student may be entered in SEVIS.
Dependent	O	Structure		Dependent	Structure used to provide information relative to a single dependent. Multiple Dependent structures may be included in a single create student request.
FullName	R*	Structure		Full name	Structure used to provide full name elements for dependent.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
LastName	R*	String	40	Last name	Last name of dependent. If dependent has only one name, the name is provided in this element.
FirstName	O	String	40	First name	First name of dependent.
MiddleName	O	String	40	Middle name	Middle name of dependent.
Suffix	O	String	3	Suffix code (Format: Jr., Sr., I, II, III, IV)	Name suffix for dependent, e.g., Jr. (See table entitled Name Suffix Codes)
BirthDate	R*	Date	10	Birth date (Format: yyyy-MM-dd)	Dependent's birth date
Gender	R*	String	1	Gender (Format: M = Male, F = Female, or U = Unknown)	Dependent's gender. A value is available to indicate the dependent's gender is unknown. (See table entitled Gender Codes)
BirthCountryCode	R*	String	2	Country of birth	Dependent's country of birth. Two-digit code associated with the dependent's country of birth must be provided. Codes are provided for countries that have changed names or no longer exist. (See table entitled Country Codes)
CitizenshipCountryCode	O	String	2	Country of citizenship	Dependent's country of citizenship. Two-digit code associated with the dependent's country of citizenship. (See table entitled Country Codes)
VisaType	R*	String	2	Visa type	Visa classification assigned to dependent. Code associated with the visa type must be provided. (See table entitled Student Visa Type Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Relationship	R*	String	2	Relationship (Format: 01 = Spouse; 02 = Child)	Dependent's relationship to student. Regulations permit only one spouse to accompany student during study in the U.S. Two-digit code for either Spouse or Child must be used. (See table entitled Dependent Type Codes)
UserDefinedA	O	String	10	User defined field A	A text field for recording any code used by the school to identify the dependent, e.g., ID number or file number.
UserDefinedB	O	String	14	User defined field B	A second field for recording any code used by the school to identify the dependent.
Remarks	O	String	500	Remarks	Text field for recording general remarks about the dependent.
UserDefinedA	O	String	10	User defined field A	A text field for recording any code used by the school to identify the student, e.g., ID number or file number.
UserDefinedB	O	String	14	User defined field B	A second field for recording any code used by the school to identify the student.
Remarks	O	String	500	Remarks	Text field for recording general remarks about the student.
UpdateStudent	O	Structure		Update student	Structure used when updating existing student records. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
Student	R*	Structure		Student information	Structure used to provide the required and optional information for updating existing student records. This structure is a mutually exclusive choice. Use the structure/element associated with the reason the student's record is being updated. A maximum of 250 create student and 250 update student requests may be included in each upload file.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
(sevisID)	R*	String	11	SEVIS ID (Format: Alpha/Numeric, N123456789)	SEVIS ID of student record being updated.
(requestID)	R*	String	20	Record identifier	Individual record identifier must be provided for each record included in the upload file. Identifier must be unique within the upload file.
(userID)	R*	String	10	SEVIS user ID for PDSO/DSO responsible for the request record	Name associated with this user ID will be shown in signature block on I-20 PDF file, if print request indicator is TRUE.
(statusCode)	O	String		Status code to identify student update record	Status code is used to identify which student to update in cases where a Change Educational Level event has been executed for a student. Once the education level change event is executed, there are two student records: one student record with the original education and one student record with the new education level. Both records will have the same SEVIS ID, but will have different status codes, e.g., ACTIVE for the current program level and INITIAL for the new program level. Thereafter, in order to identify which of the two student records should be updated, the status code is necessary. NOTE: statusCode is required only after the education level change event for a student. In all other cases, the statusCode is optional.
UserDefinedA	O	String	10	User defined field A	A text field for recording any code used by the school to identify the student, e.g., ID number or file number.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
UserDefinedB	O	String	14	User defined field B	A second field for recording any code used by the school to identify the student.
AuthDropBelowFC	O (Choice)	Structure		Authorize drop below full course	Structure used to provide information if student is being authorized to drop below a full course load. Refer to the end of this Appendix for the Summary of Drop Below Requirements for F and M Visa Holders
Add	O (Choice)	Structure		Add Authorized to Drop Below	Structure used to add information if student is being authorized to drop below a full course load. If structure is used, the elements identified as "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
AuthReason	R*	String	2	Authorization reason	Reason student is authorized to drop below full course load. Two-digit code associated with reason code must be provided. (See table entitled Drop Below Full Time Reason Codes)
AuthStartDate	R*	Date	10	Authorization start date (Format: yyyy-MM-dd)	Start date for drop below full course authorization
AuthEndDate	R*	Date	10	Authorization end date (Format: yyyy-MM-dd)	End date for drop below full course authorization
Remarks	O	String	500	Drop below full course remarks	Text field for remarks related to the authorization to drop below full course load.
Cancel	O (Choice)	Structure		Cancel Authorized to Drop Below	Structure used to cancel information for student who was previously authorized to drop below a full course load. If structure is used, the elements identified as "R*" must be provided.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
(printForm)	R*	Date	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
AuthReason	R*	String	2	Authorization reason	Reason student was authorized to drop below full course load for the authorization that is being canceled. Two-digit code associated with reason code must be provided. (See table entitled Drop Below Full Time Reason Codes)
AuthStartDate	R*	Date	10	Authorization end date (Format: yyyy-MM-dd)	Start date for drop below full course authorization that is being canceled.
AuthEndDate	R*	Date	10	Authorization end date (Format: yyyy-MM-dd)	End date for drop below full course authorization that is being canceled.
Edit	O (Choice)	Structure		Edit Authorized to Drop Below	Structure used to edit information if student is being authorized to drop below a full course load. If structure is used, the elements identified as "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
AuthReason	R*	String	2	Authorization reason	Reason student is authorized to drop below full course load. Two-digit code associated with reason code must be provided for the authorization that is being edited. (See table entitled Drop Below Full Time Reason Codes)
AuthStartDate	R*	Date	10	Authorization start date (Format: yyyy-MM-dd)	Start date for drop below full course authorization for the authorization that is being edited.
AuthEndDate	R*	Date	10	Authorization end date (Format: yyyy-MM-dd)	End date for drop below full course authorization for the authorization that is being edited.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Remarks	O	String	500	Drop below full course remarks	Text field for remarks related to edit of the authorization to drop below full course load.
NewAuthReason	O	String	2	Authorization reason	The new reason student is authorized to drop below full course load. Two-digit code associated with reason code must be provided. (See table entitled Drop Below Full Time Reason Codes)
NewAuthStartDate	O	Date	10	Authorization start date (Format: yyyy-MM-dd)	The new start date for drop below full course authorization
NewAuthEndDate	O	Date	10	Authorization end date (Format: yyyy-MM-dd)	The new end date for drop below full course authorization
Biographical	O (Choice)	Structure		Edit personal Info	Structure used for providing updates to a student's personal information. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
FullName	O	Structure		Full name	Structure used to provide the full name elements for the student.
LastName	R*	String	40	Last name	Last name of student. If student has only one name, the name is provided in this element.
FirstName	O	String	40	First name	First name of student.
MiddleName	O	String	40	Middle name	Middle name of student.
Suffix	O	String	3	Suffix code (Format: Jr., Sr., I, II, III, IV)	Name suffix for student. (See table entitled Name Suffix Codes)
BirthDate	O	Date	10	Birth date (Format: yyyy-MM-dd)	Student's date of birth.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Gender	O	String	1	Gender (Format: M = Male, F = Female, or U = Unknown)	Student's gender. A value is available to indicate the student's gender is unknown. (See table entitled Gender Codes)
BirthCountryCode	O	String	2	Country of birth	Student's country of birth. Two-digit code associated with the student's country of birth must be provided. Codes are provided for countries that have changed names or no longer exist. (See table entitled Country Codes)
CitizenshipCountryCode	O	String	2	Country of citizenship	Student's country of citizenship. Two-digit code associated with the student's country of citizenship must be provided. (See table entitled Country Codes)
Commuter	O	Boolean	1	Indicator if student is a commuter student	This option is available only to students whose country of citizenship is Canada or Mexico.
ForeignAddr	O	Structure		Foreign address	Structure used to provide updates to student's foreign address. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
FrnAddr1	R*	String	60	Foreign address line 1	First line of student's foreign street address.
FrnAddr2	O	String	60	Foreign address line 2	Second line of student's foreign street address.
FrnCity	O	String	60	Foreign city	City associated with student's foreign address.
FrnProvince	O	String	30	Foreign province	Province of student's foreign address.
CountryCode	R*	String	2	Country code	Country of student's foreign address. Two-digit code associated with student's country of residence must be used. (See table entitled Country Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
FrmPostalCode	O	String	20	Postal code (Format: Alpha/Numeric)	Postal code/number for student's foreign address.
USAddr	O	Structure		U.S. address	Structure used to provide updates to the address where student is residing while attending courses in the U.S. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
USAddr1	R*	String	60	Address line 1	First line of street address for student's U.S. address.
USAddr2	O	String	60	Address line 2	Second line of street address for student's U.S. address.
USCity	R*	String	60	City	City for student's U.S. address.
USState	R*	String	2	State	State for student's U.S. address. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)
USPostalCode	R*	String	5	Zip code	Zip code for student's U.S. address.
USPostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for student's U.S. address.
OtherInfo	O	Structure		Other information	Structure used to provide updates to other information related to student.
AdmissionNumber	O	String	11	Admission number	I-94 Admission number assigned to student at port of entry into U.S.
DriverLicense	O	Structure		Driver's license	Structure used to provide student's U.S. driver's license information. Structure is optional.
LicNumber	O	String	30	Driver's license number	Student's U.S. driver's license number.
LicState	O	String	2	State that issued driver's license	U.S. state that issued the student's driver's license. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
SSN	O	String	9	Social Security Number (Format: Numeric only, no dashes, e.g., 123456789)	Student's Social Security Number.
TaxID	O	String	9	Tax payer ID (Format: Numeric only, no dashes, e.g., 123456789)	Student's tax payer identification number.
CPTEmployment	O (Choice)	Structure		Curricular Practical Training employment	Structure used to add or cancel CPT employment for a student. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
Add	O (Choice)	Structure		New Curricular Practical Training employment	Structure used to add new CPT employment for a student. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
EmploymentStartDate	R*	Date	10	Employment start date (Format: yyyy-MM-dd)	Date that student will begin CPT employment. Date entered must be AFTER current date.
EmploymentEndDate	R*	Date	10	Employment end date (Format: yyyy-MM-dd)	Date that student will complete CPT employment. Date entered must be BEFORE student's program end date.
Employment	R*	String	2	Employment type (Format: 01 = Full Time; 02 = Part Time)	Code indicating full-time or part-time employment. Two-digit code associated with employment type must be used. (See table entitled Employment Time Codes)
EmployerName	R*	String	500	Employer name	Name of the CPT employer.
Remarks	O	String	500	CPT remarks	Text field for providing remarks related to the CPT employment information.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
EmployerAddress	R*	Structure		Address of employer	Structure used to provide information on the address elements for the CPT employer.
USAddr1	R*	String	60	Address line 1	First line of street address for employer's address.
USAddr2	O	String	60	Address line 2	Second line of street address for employer's address.
USCity	R*	String	60	City	City for employer's address.
USState	R*	String	2	State	State for employer's address. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)
USPostalCode	R*	String	5	Zip code	Zip code for employer's address.
USPostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for employer's address.
CourseRelevance	R*	String	500	Course Relevance	Text field for recording explanation for relevance of CPT employment to student's course work.
Cancel	O (Choice)	Structure		Cancel Curricular Practical Training employment	Structure used to cancel CPT employment for a student. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
EmploymentStartDate	R*	Date	10	Employment end date (Format: yyyy-MM-dd)	Date that student will begin CPT employment. Date entered must be AFTER current date.
EmploymentEndDate	R*	Date	10	Employment end date (Format: yyyy-MM-dd)	Date that student will complete CPT employment. Date entered must be BEFORE student's program end date.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Employment	R*	String	2	Employment type (Format: 01 = Full Time; 02 = Part Time)	Code indicating full-time or part-time employment. Two-digit code associated with employment type must be used. (See table entitled Employment Time Codes)
EmployerName	R*	String	500	Employer name	Name of the CPT employer.
Remarks	O	String	500	CPT remarks	Text field for providing remarks related to the CPT employment information.
Dependent	O (Choice)	Structure		Dependent information	Structure used to edit information related to a dependent. This structure is a mutually exclusive choice. Use the structure/element associated with the reason the dependent's record is being updated. If structure is used, elements identified with "R*" must be provided.
UserDefinedA	O	String	10	User defined field A	A text field for recording any code used by the school to identify the dependent, e.g., ID number or file number.
UserDefinedB	O	String	14	User defined field B	A second field for recording any code used by the school to identify the dependent.
Add	O (Choice)	Structure		Add dependent	Structure used to create a record for a dependent that will accompany student to the U.S. Structure is optional; however, if structure is used, elements identified with "R*" must be provided. A maximum of 25 dependents per student may be entered in SEVIS.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
FullName	R*	Structure		Full name	Structure used to provide full name elements for dependent.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
LastName	R*	String	40	Last name	Last name of dependent. If dependent has only one name, the name is provided in this element.
FirstName	O	String	40	First name	First name of dependent.
MiddleName	O	String	40	Middle name	Middle name of dependent.
Suffix	O	String	3	Suffix code (Format: Jr., Sr., I, II, III, IV)	Name suffix for dependent. (See table entitled Name Suffix Codes)
BirthDate	R*	Date	10	Birth date (Format: yyyy-MM-dd)	Dependent's birth date
Gender	R*	String	1	Gender (Format: M = Male, F = Female, or U = Unknown)	Dependent's gender. A value is available if the dependent's gender is unknown. (See table entitled Gender Codes)
BirthCountryCode	R*	String	2	Country of birth	Dependent's country of birth. Two-digit code associated with the dependent's country of birth must be provided. Codes are provided for countries that have changed names or no longer exist. (See table entitled Country Codes)
CitizenshipCountryCode	O	String	2	Country of citizenship	Dependent's country of citizenship. Two-digit code associated with the dependent's country of citizenship. (See table entitled Country Codes)
VisaType	R*	String	2	Visa type	Visa classification assigned to dependent. Code associated with the visa type must be provided. (See table entitled Student Visa Type Codes)
Relationship	R*	String	2	Relationship (Format: 01 = Spouse; 02 = Child)	Dependent's relationship to the student. Regulations permit only one spouse to accompany student during study in the U.S. Two-digit code for either Spouse or Child must be used. (See table entitled Dependent Type Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Remarks	O	String	500	Remarks	This field may be used by institutions to record general remarks about the dependent.
Cancel	O (Choice)	Structure		Cancel dependent	Structure used to cancel a dependent record.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N123456789)	SEVIS ID of dependent record being canceled.
Reason	R	String	2	Cancellation reason code	Reason that dependent record is being canceled. (See table entitled Dependent Cancel Reason Codes)
Edit	O (Choice)	Structure		Dependent personal information	Structure used to update information related to a dependent. If structure is used, elements identified with "R*" must be provided.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N123456789)	SEVIS ID of dependent record being updated.
(printform)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
FullName	O	Structure		Full name	Structure used to update full name elements for dependent.
LastName	R*	String	40	Last name	Last name of dependent. If dependent has only one name, the name is provided in this element.
FirstName	O	String	40	First name	First name of dependent.
MiddleName	O	String	40	Middle name	Middle name of dependent.
Suffix	O	String	3	Suffix code (Format: Jr., Sr., I, II, III, IV)	Name suffix for dependent. (See table entitled Name Suffix Codes)
BirthDate	O	Date	10	Birth date (Format: yyyy-MM-dd)	Dependent's birth date

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Gender	O	String	1	Gender (Format: M = Male, F = Female, or U = Unknown)	Dependent's gender. A value is available if the dependent's gender is unknown. (See table entitled Gender Codes)
BirthCountryCode	O	String	2	Country of birth	Dependent's country of birth. Two-digit code associated with the dependent's country of birth must be provided. Codes are provided for countries that have changed names or no longer exist. (See table entitled Country Codes)
CitizenshipCountryCode	O	String	2	Country of citizenship	Dependent's country of citizenship. Two-digit code associated with the dependent's country of citizenship. (See table entitled Country Codes)
VisaType	O	String	2	Visa type	Visa classification assigned to dependent. Code associated with the visa type. (See table entitled Student Visa Type Codes)
Relationship	O	String	2	Relationship (Format: 01 = Spouse; 02 = Child)	Dependent's relationship to the student. Regulations permit only one spouse to accompany student during study in the U.S. Two-digit code for either Spouse or Child must be used. (See table entitled Dependent Type Codes)
Remarks	O	String	500	Remarks	Text field for recording general remarks about the dependent update request.
Reactivate	O (Choice)	String	4	Reactivate dependent (Format: 1 or true)	Indicator used to request reactivation of a dependent. The maximum length of the string is 4, however, accepted values are either 1 or true. Previously this was a structure. The print request attribute (printform) marked with "R*" must be provided.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N123456789)	SEVIS ID of dependent record being reactivated. The dependent's status will be set to the same status as the principal's record.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
Reprint	O (Choice)	Structure		Reprint Dependent I-20	Structure used to request reprint for a dependent.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N123456789)	SEVIS ID of dependent record for which the reprint is being requested.
(printForm)	O	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download. This attribute is optional and if it is not provided, the default of "1 or true" will be used.
Reason	R*	String	2	Reprint Request Reason Codes	Reason form is being reprinted. The 2-digit code must be provided. (See table entitled Reprint Request Reason Codes)
Remarks	O	String	500	Remarks	Text field for recording general remarks about the dependent termination request.
Terminate	O (Choice)	Structure		Terminate dependent	Structure used to terminate a dependent, e.g., dependent is leaving the U.S. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N123456789)	SEVIS ID of dependent record being updated.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
TerminationReason	R*	String	2	Termination reason code	The reason the dependent is being terminated. Two-digit code associated with termination reason must be provided. (See table entitled Dependent Termination Codes)
Remarks	O	String	500	Remarks	Text field for recording general remarks about the dependent termination request.
Financial	O (Choice)	Structure		Financial information	Structure used to provide updates to financial requirements and funding available to the student. Structure is optional; however, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
EditAcademicTerm	O	String	2	Number of months in the academic term (Format: Numeric only)	Number of months that student will attend courses during the academic term.
EditFinancialExpense	R*	Structure		Expenses	Structure used to provide updates to expenses that must be paid by the student. Information should be provided for one academic term. Structure is required if the Financial structure is used.
Tuition	R*	Integer	10	Tuition expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of tuition expenses that must be paid by the student. Amount of any scholarship(s) should not be deducted. Scholarship information should be included in SchoolFunds structure. Amount can not be less than 1.
LivingExpense	R*	Integer	10	Living expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of living expenses that must be paid by the student. Amount can not be less than 1.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
DependentExp	O	Integer	10	Dependent expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of expenses that must be paid by the student to support dependent(s). Required only if student will be accompanied by dependents and dependents will be included in the create- student request. Amount can not be less than 1.
OtherExp	O	Structure		Other expenses	Structure used to identify other expenses that must be paid by student. Structure is optional; however, if structure is used, elements identified as "R*" must be provided.
Amount	R*	Integer	10	Other expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total of other expenses that student must pay. Amount can not be less than 1.
Remarks	R*	String	500	Explanation for other expenses	Text field for explanation of other expenses student must pay.
EditFunding	R*	Structure		Funding	Structure used to update information related to funding that is available to the student.
PersonalFunds	O	Integer	10	Personal funds (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of personal funds available to the student for use in paying for expenses. Amount can not be less than 1.
SchoolFunds	O	Structure		School funding	Structure used to update funding being provided by the school. This structure is optional; however, if structure is present, elements identified by "R*" must be provided.
Amount	R*	Integer	10	Amount of funding (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of funding being provided by the school. Amount can not be less than 1.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
SchoolFundType	R*	String	500	School funding explanation	Text field to explain source of funding being provided by the school.
OtherSourceFunds	O	Structure		Other source of funding	Structure used to update the amount and source of other funding being provided to the student. Structure is optional; however, if structure is present, elements identified by "R*" must be provided.
Amount	R*	Integer	10	Amount of other funding (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of other funding available to the student. Amount can not be less than 1.
OtherSourceType	R*	String	500	Description of other funding	Text field used to describe the source of other funding.
EmploymentFunds	O	Integer	10	Employment funds (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of funds available to the student through on-campus employment. This element is valid for F-1 classification students only. Amount can not be less than 1.
Remarks	O	String	500	Remarks on financial information	Text field available to enter general remarks associated with the financial information.
OffCampusEmployment	O (Choice)	Structure		Off campus employment	Structure used to add or cancel off-campus employment for a student. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
Add	O (Choice)	Structure		Add off campus employment	Structure used to add off-campus employment for a student. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
EmploymentType	R*	String	2	Type of off-campus employment (Format: 01 = Economic hardship; 02 = International Organization; 03 = Special Student Relief)	Code indicating the type of off-campus employment. Two-digit code associate with employment type must be provided. (See table entitled Off-Campus Employment Reason Codes)
Recommendation	R*	String	500	Remarks for recommendation	This field may be used by institutions to record general remarks about the off-campus employment.
RecommendEmployment	O (Choice)	Boolean	1	Recommend employment (Format: 1 or true; 0 or false)	Indication that school is recommending student for off-campus employment. Required when adding off-campus employment.
RescindRecommendation	O (Choice)	Boolean	1	Rescind employment recommendation (Format: 1 or true; 0 or false)	Indication that school is rescinding the recommendation for off-campus employment. Required only if school is rescinding the recommendation for off-campus employment.
Cancel	O (Choice)	Structure		Cancel off campus employment	Structure used to cancel off-campus employment for a student. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
EmploymentType	R*	String	2	Type of off-campus employment (Format: 01 = Economic hardship; 02 = International Organization; 03 = Special Student Relief)	Code indicating the type of off-campus employment that is being canceled. Two-digit code associate with employment type must be provided. (See table entitled Off-Campus Employment Reason Codes)
Remarks	O	String	500	Remarks	Text field for recording general remarks about the cancel request.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
OPTEmployment	O (Choice)	Structure		OPT request	Structure used to add or cancel an OPT employment request for a student. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
Add	O (Choice)	Structure		OPT request	Structure used to add an OPT employment request for a student. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
EmploymentStartDate	R*	Date	10	Employment start date (Format: yyyy-MM-dd)	Date that student will begin OPT employment. Date entered must be AFTER current date.
EmploymentEndDate	R*	Date	10	Employment end date (Format: yyyy-MM-dd)	Date that student will complete OPT employment.
FullPartTimeIndicator	R*	String	2	Employment time	Code indicating full-time or part-time employment. Two-digit code associated with employment type must be used. (See table entitled Employment Time Codes)
EmployerName	O	String	500	Employer name	Name of the OPT employer.
EmployerAddress	O	Structure		Address of employer	Structure used to provide information on the address elements for the OPT employer. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
USAddr1	R*	String	60	Address line 1	First line of street address for employer's address.
USAddr2	O	String	60	Address line 2	Second line of street address for employer's address.
USCity	R*	String	60	City	City for employer's address.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
USState	R*	String	2	State	State for employer's address. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)
USPostalCode	R*	String	5	Zip code	Zip code for employer's address.
USPostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for employer's address.
CourseRelevance	R*	String	500	Course Relevance	Text field for recording explanation for relevance of OPT employment to student's course work.
AcademicYearMet	R*	Boolean	1	Academic year met indicator (Format: 1 or true; 0 or false)	Indicate whether the student has met the 1 full academic year requirement
Remarks	O	String	500	OPT remarks	Text field for providing remarks related to the OPT employment information.
Cancel	O (Choice)	Structure		Cancel OPT request	Structure used to cancel an OPT employment request for a student. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
EmploymentStartDate	R*	Date	10	Employment start date (Format: yyyy-MM-dd)	Date that student will begin OPT employment. Date entered must be AFTER current date.
EmploymentEndDate	R*	Date	10	Employment end date (Format: yyyy-MM-dd)	Date that student will complete OPT employment.
FullPartTimeIndicator	R*	Boolean	1	Employment time	Code indicating full-time or part-time employment. Two-digit code associated with employment type must be used. (See table entitled Employment Time Codes)
EmployerName	O	String	500	Employer name	Name of the OPT employer.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Remarks	O	String	500	Cancelation OPT remarks	Text field for providing remarks related to the cancelation of OPT employment information.
Program	O (Choice)	Structure		Program information	Structure used to edit program information. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
AddExtend	O (Choice)	Structure		Extend program	Structure used to extend student's program beyond the original program end date. If structure is used, the elements identified as "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
NewPrgEndDate	R*	Date	10	New program end date (Format: yyyy-MM-dd)	New date that student will complete program.
Remarks	O	String	500	Remarks regarding extension of program	Text field for entering remarks related to extending the student's program end date.
CancelExtend	O (Choice)	Structure		Cancel extend program	Structure used to cancel extend M student's program beyond the original program end date. If structure is used, the elements identified as "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
NewPrgEndDate	R*	Date	10	New program end date (Format: yyyy-MM-dd)	New date that student will complete program.
Remarks	O	String	500	Remarks regarding extension of program	Text field for entering remarks related to extending the student's program end date.
Complete	O (Choice)	Structure		Complete program	Structure for indicating that student has completed his/her program. If structure is used, student's program will be marked as completed on the date the request is submitted.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Remarks	O	String	500	Remarks associated with completion of program	Text field for entering remarks related to student's completion of program.
Defer	O (Choice)	Structure		Defer attendance	Structure used to deferring student's attendance at your school. If structure is used, the elements identified as "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
NewPrgStartDate	R*	Date	10	New program start date (Format: yyyy-MM-dd)	New date that student will start his/her program.
NewPrgEndDate	R*	Date	10	New program end date (Format: yyyy-MM-dd)	New date that student will complete his/her program.
Remarks	O	String	500	Defer attendance remarks	Text field for entering remarks related to deferring student's attendance at your school.
EditInfo	O (Choice)	Structure		Edit program information	Structure used for providing updates to a student's program information. This function is only available for students in INITIAL status. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
NewPrimaryMajor	R*	String	7	New primary major code (Format: 12.1234) (NOTE: The code sent to SEVIS should include the decimal point.)	Code from CIP 2000 list of codes that represents student's new primary major. For dual majors, you must select one major to be primary and one to be secondary. (See table entitled Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
NewSecondMajor	O	String	7	New secondary major code (Format: 12.1234) (NOTE: The code sent to SEVIS should include the decimal point.)	Code from CIP 2000 list of codes that represents student's new secondary major. Used for those students who have dual majors. (See table entitled Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors)
NewMinor	O	String	7	New minor code (Format: 12.1234) (NOTE: The code sent to SEVIS should include the decimal point.)	Code from CIP 2000 list of codes that represents the student's new minor. (See table entitled Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors)
NewLengthOfStudy	O	String	2	Length of study	Number of months normally required for completing the program the student will be undertaking.
EngProficiency	O	Structure		English language proficiency	Structure used to indicate whether your school requires English proficiency and whether the student is proficient in the language. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
EngRequired	R*	Boolean	1	English proficiency required? (Format: 1 or true; 0 or false)	Indicator that school does or does not require English proficiency.
RequirementsMet	O	Boolean	1	English proficiency requirements met? (Format: 1 or true; 0 or false)	Indication whether student meets the English proficiency required for the program at your school. This element must be provided if the value provided in EngRequired element is 1 or true.
NotRequiredReason	O	String	500	Not required reason	Text field for explanation if English proficiency is not required at your school, e.g., student will attend English language courses as part of his/her program. This element must be provided if the value provided in EngRequired element is 0 or false.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Remarks	O	String	500	Remarks	Text field provided to record remarks associated with the updates to the student's program information.
EditLevel	O Choice	Structure		Edit education level of student	Structure used to change the education level for ACTIVE status F-1 students, e.g., a student is in a Bachelor's program and wishes to participate in a Master's program at the same school. The new program start date must be AFTER the current date. The new program end date is not limited to one year. The school will be required to register the student at the new program level.
EducationalInfo	R*	Structure		Education information	Structure used to provide information related to student's new education level and major/minor.
EduLevel	R*	String	2	Education level	Indicator for educational level student is pursuing. (See table entitled Education Level Codes)
EduComment	O	String	500	Remarks	Text field for providing remarks related to the student's education level.
PrimaryMajor	R*	String	7	Primary major code (Format: 12.1234) (NOTE: The code sent to SEVIS should include the decimal point.)	Code from CIP 2000 list of codes that represents student's primary major. For dual majors, you must select one major to be primary and one to be secondary. (See table entitled Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors)
SecondMajor	O	String	7	Secondary major code (Format: 12.1234) (NOTE: The code sent to SEVIS should include the decimal point.)	Code from CIP 2000 list of codes that represents student's secondary major. Used for those students who have dual majors. (See table entitled Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Minor	O	String	7	Minor code (Format: 12.1234) (NOTE: The code sent to SEVIS should include the decimal point.)	Code from CIP 2000 list of codes that represents student's minor. (See table entitled Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors)
LengthOfStudy	R*	String	2	Length of study	Number of months normally required for completing the program that the student will be undertaking.
PrgStartDate	R*	Date	10	Program start date (Format: yyyy-MM-dd)	Date the student's program will begin. Student cannot enter the U.S. more than 30 days prior to program start date. Program start date must be AFTER current date for students where the issuing reason is initial.
PrgEndDate	R*	Date	10	Program end date (Format: yyyy-MM-dd)	Date the student's program will be completed. Full program period includes Optional Practical Training the student will undertake after completing coursework.
EngProficiency	R*	Structure		English language proficiency	Structure used to indicate whether your school requires English proficiency and whether the student is proficient in the language.
EngRequired	R*	Boolean	1	English proficiency required? (Format: 1 or true; 0 or false)	Indicator that school does or does not require English proficiency.
RequirementsMet	O	Boolean	1	English proficiency requirements met? (Format: 1 or true; 0 or false)	Indication whether student meets the English proficiency required for the program at your school. This element must be provided if the value provided in EngRequired element is 1 or true.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
NotRequiredReason	O	String	500	Not required reason	Text field for explanation if English proficiency is not required at your school, e.g., student will attend English language courses as part of his/her program. This element must be provided if the value provided in EngRequired element is 0 or false.
FinancialInfo	R*	Structure		Student financial information	Structure used to provide financial requirements and funding available to the student.
AcademicTerm	R*	String	2	Number of months in the academic term (Format: Integer only)	Number of months the student will attend courses during one academic term. The maximum value is 12 months.
FinancialExpense	R*	Structure		Expenses	Structure used to provide information on expenses that must be paid by the student. Information should provided for one academic term.
Tuition	R*	Integer	10	Tuition expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of tuition expenses that must be paid by the student. Amount of any scholarship(s) should not be deducted. Scholarship information should be included in SchoolFunds structure. Amount can not be less than 1.
LivingExpense	R*	Integer	10	Living expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of living expenses that must be paid by the student. Amount can not be less than 1.
DependentExp	O	Integer	10	Dependent expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of expenses that must be paid by the student to support dependent(s). *Required only if student will be accompanied by dependents and dependents will be included in the Create-Student request. Amount can not be less than 1.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
OtherExp	O	Structure		Other expenses	Structure used to identify other expenses that must be paid by student. Structure is optional; however, if structure is used, elements identified as "R*" must be provided.
Amount	R*	Integer	10	Other expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total of other expenses that student must pay. Amount can not be less than 1.
OtherExpDesc	R*	String	500	Explanation for other expenses	Text field for explanation of other expenses that student must pay.
Funding	R*	Structure		Funding	Structure used to identify funding that is available to the student.
PersonalFunds	R*	Integer	10	Personal funds (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of personal funds available to the student for use in paying for expenses. Amount can not be less than 1.
SchoolFunds	O	Structure		School funding	Structure used to identify funding being provided by the school. This structure is optional; however, if structure is present, elements identified by "R*" must be provided.
Amount	R*	Integer	10	Amount of funding (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of funding being provided by the school. Amount can not be less than 1.
SchoolFundDesc	R*	String	500	School funding explanation	Text field to explain source of funding being provided by the school
OtherSourceFunds	O	Structure		Other source of funding	Structure used to identify the amount and source of other funding being provided to the student. Structure is optional; however, if structure is present, elements identified by "R*" must be provided.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Amount	R*	Integer	10	Amount of other funding (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of other funding available to the student. Amount can not be less than 1.
OtherFundDesc	R*	String	500	Description of other funding	Text field used to describe the source of other funding.
EmploymentFunds	O	Integer	10	Employment funds (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of funds available to the student through on-campus employment. This element is valid for F-1 classification students only. Amount can not be less than 1.
FundingRemarks	O	String	500	Additional remarks on funding	Text field available to enter general remarks associated with the funding information.
Registration	O (Choice)	Structure		Student registration	Structure used to record that student has registered for session. This choice is valid only for students whose status in SEVIS is "Initial" or "Active". Student must be registered within 90 days of Session Start Date. If structure is used, the elements identified as "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
LastSession	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to denote that student is in the last session of his/her program.
CurrentSessionEndDate	R*	Date	10	Current session end date (Format: yyyy-MM-dd)	The end date for the student's current session. Must be AFTER current date.
NextSessionStartDate	O	Date	10	Next Session start date (Format: yyyy-MM-dd)	Start date for student's next session; must be AFTER current session end date and BEFORE program end date. If LastSession is False, then NextSessionStartDate is required.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Commuter	O	Boolean	1	Commuter student (Format: 1 or true; 0 or false)	Indicator if student is a commuter student. Commuter student indicator is valid only for students whose country of citizenship is Canada or Mexico. Commuter students are not required to provide U.S. address data.
USAddr	O	Structure		U.S. address	Structure used to provide address where student will reside while attending courses in the U.S. At time of registration, the U.S. address is required for all students, <u>except</u> commuter students. If the student is not a commuter student, the structure is required and those elements identified with "R*" must be provided.
USAddr1	R*	String	60	Address line 1	First line of street address for student's U.S. address.
USAddr2	O	String	60	Address line 2	Second line of street address for student's U.S. address.
USCity	R*	String	60	City	City for student's U.S. address.
USState	R*	String	2	State	State for student's U.S. address. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)
USPostalCode	R*	String	5	Zip code	Zip code for student's U.S. address.
USPostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for student's U.S. address.
ForeignAddr	O	Structure		Foreign address	Structure used to provide updates to student's foreign address. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
FrnAddr1	R*	String	60	Foreign address line 1	First line of student's foreign street address.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
FrnAddr2	O	String	60	Foreign address line 2	Second line of student's foreign street address.
FrnCity	O	String	60	Foreign city	City associated with student's foreign address.
FrnProvince	O	String	30	Foreign province	Province of student's foreign address.
CountryCode	R*	String	2	Country code	Country of student's foreign address. Two-digit code associated with student's country of residence must be used. (See table entitled Country Codes)
FrnPostalCode	O	String	20	Postal code (Format: Alpha/Numeric)	Postal code/number for student's foreign address.
POEntryInfo	O	Structure		Port of entry	Structure used to provide information relating to the port through which the student entered the U.S. Structure is optional and all elements related to POEntryInfo are optional. Port of entry information is received through a SEVIS Interface to another DHS system.
PassportNumber	O	String	25	Passport number	Student's passport number
PassportIssuingCntry	O	String	2	Passport issuing country	Issuing country for passport. Two-digit code associated with country must be provided. (See table entitled Country Codes)
PassportExpDate	O	Date	10	Passport expiration date (Format: yyyy-MM-dd)	Expiration date for student's passport.
VisaNumber	O	String	25	Visa number	Number of visa granted to student by the American Consulate.
VisaIssuingCntry	O	String	3	Visa issuing country	Consulate Office (Post) or country where visa was issued. Three-digit code associated with the Consulate or country must be provided. (See table entitled Visa Issuance Post Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
VisaExpDate	O	Date	10	Visa expiration date (Format: yyyy-MM-dd)	Expiration date for student's visa.
AdmissionNumber	O	String	11	Admission number	I-94 Admission number issued to student at U.S. port of entry.
PortOfEntry	O	String	3	Port of entry	Code associated with the port of entry through which the student entered the U.S. (See table entitled Port of Entry Codes)
DateOfEntry	O	Date	10	Date of entry (Format: yyyy-MM-dd)	Date student entered the U.S.
Remarks	O	String	500	Remarks	Text field for providing remarks related to the port of entry information.
Reprint	O (Choice)	Structure		Reprint student I-20	
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
Reason	R*	String	2	Reason Code for reprint	Reason for requesting the reprint. The 2-digit code must be provided. (See table entitled Reprint Request Reason Codes)
Remarks	O	String	500	Remarks	Text field for providing remarks related to the resume full course request.
ResumeCourseLoad	O (Choice)	Structure		Resume full course of study	Structure used to record that student has resumed a full course of study once Drop Below Full Course authorization has ended. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
AuthReason	R*	String	2	Authorization reason	Reason student was authorized to drop below full course load for the authorization that is being resumed. Two-digit code associated with reason code must be provided. (See table entitled Drop Below Full Time Reason Codes)
AuthStartDate	R*	Date	10	Authorization end date (Format: yyyy-MM-dd)	Start date for drop below full course authorization that is being resumed.
AuthEndDate	R*	Date	10	Authorization end date (Format: yyyy-MM-dd)	End date for drop below full course authorization that is being resumed.
Remarks	O	String	500	Remarks	Text field for providing remarks related to the resume full course request.
Status	O (Choice)	Structure		Student status	Structure used to update student status. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
Cancel	O (Choice)	Structure		Cancel Student	Structure used to cancel student. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
Reason	R*	String	2	Reason Code for cancelation	Reason for requesting the cancelation. (See table entitled Student Cancel Reason Codes)
Remarks	O	String	500	Remarks	Text field for providing remarks related to the cancel request.
Confirm	O (Choice)	Boolean	1	Confirm indicator (Format: 1 or true; 0 or false)	Affirmation of status – confirm status – 6 month check
DisciplinaryAction	O (Choice)	Structure		Disciplinary action element	Structure used to record that disciplinary action has been taken against student. If structure is used, the elements identified as "R*" must be provided.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
CriminalConviction	R*	Boolean	1	Criminal conviction (Format: 1 or true)	Indicates disciplinary action was taken as a result of the student being convicted of a crime. If the DisciplinaryAction structure is present, the value for CriminalConviction must be 1 or true.
Remarks	R*	String	500	Explanation of disciplinary action taken against student	Text field for entering remarks related to disciplinary action.
Terminate	O (Choice)	Structure		Terminate student	Structure used to record student termination action. If structure is used, the elements identified as "R*" must be provided.
TerminationReason	R*	String	2	Termination code (Format: Numeric)	Reason student is being terminated. Two-digit code associated with termination reason must be provided. (See table entitled Student Termination Reason Codes)
Remarks	O	String	500	Terminate student remarks	Text field for entering remarks related to student termination.

Exhibit 11: Student Education Levels

Education Level	Allowed for F classification	Allowed for M classification
Primary	Y ¹	N
Secondary	Y	N
Associate	Y	N
Bachelor's	Y	N
Master's	Y	N
Doctorate	Y	N
Language Training	Y	N
High School	Y	Y
Flight Training	N	Y
Other Vocational School	N	Y
Other	Y	Y

¹ Primary education level is not valid for Public institutions.

Summary of Drop-Below Requirements for F visa Holders

The Designated School Official may authorize an F-1 student to engage in less than a full-course of study as provided below. A student who drops below a full-course of study without prior approval by the DSO, or who fails to resume full course in a timely manner, will be considered out of status.

The DSO may authorize a reduced course-load:

- **For academic difficulties including** either a student’s initial difficulty with the English language, reading requirements, unfamiliarity with US teaching methods, or improper course level placement.
 - A reduced course load for academic difficulties must consist of at least six semester or quarter hours, or half the minimum required hours for a full-course of study.
 - A student who has been authorized for a reduced course load for one of the academic reasons listed above must resume a full-course of study the next available term in order to maintain status.
 - Further, a student is not eligible for a second authorization to drop below due to academic difficulties at the same program level. For example, a student that drops below full course for academic reasons during his or her undergraduate program would not be eligible for a second reduced term during the remainder of his or her undergraduate program. However, upon entering a master’s program, the student would again be eligible for a reduced course load due to academic difficulties if again necessary.
 - An authorization to drop below full course for academic reasons does not impact the student’s eligibility to subsequently take a reduced course load for medical reasons, as described below.
 - Refer to 8 CFR 214.2(f)(6)(iii)(A) for more details on authorizing a reduced course load for academic difficulties.
- **Due to a student’s temporary illness or medical condition** for a period not to exceed an aggregate of 12 months *per program level*. Medical documentation must be provided to the DSO, and the DSO must reauthorize the drop below full-course of study each new term or session.
 - Refer to 8 CFR 214.2(f)(iii)(B) for more details on authorizing a reduced course load for academic difficulties.
- **In the student’s final term**, if fewer courses are needed to complete the course of study, other than F-1 students in an undergraduate program.
 - P/DSOs of students in undergraduate study at a college or university who are required by the school only to pursue a lesser course in the final term to complete studies are considered to be “full time” students under 8 CFR 214.2(f)(6)(i)(B). Therefore, such students are NOT required to be authorized in SEVIS as taking less than a full course load.
 - Refer to 8 CFR 214.2(f)(iii)(C) for more details on authorizing a reduced course load in a student’s last term or session.

P/DSOs are reminded that the definition of a full course of study for students enrolled in F-1 postgraduate or postdoctoral study is determined by the school or program, and not by DHS, under 8 CFR 214.2(f)(6)(i)(A).

In order for a student to be authorized to drop below a full course of study, the DSO must update SEVIS with the date, reason for authorization, and the start date of the next session. The start date of the next session can be the “Authorization End Date” for purposes of updating SEVIS. The DSO must update SEVIS within 21 days of this authorization end date if the student fails to resume a full course of study. If the student does resume a full course of study following the “Authorization End Date” noted in SEVIS, no further updates need to be taken by the DSO with respect to the student’s full time status .

Summary of Drop-Below Requirements for M Visa Holders

A DSO may authorize a M-1 student to engage in less than a full course of study only where the student has been compelled by a documented illness or a medical condition to do take less than a full course. This authorization may not exceed the aggregate of 5 months per course of study. A M-1 student previously authorized to drop below a full course of study for an aggregate of 5 months is ineligible to reduce his course load again during the same program. The DSO must update SEVIS with the date, reason for authorization, and the start date of the next session. The start date of the next session can be the “Authorization End Date” for purposes of updating SEVIS. The DSO must update SEVIS within 21 days of this authorization end date if the student fails to resume a full course of study. If the student does resume a full course of study following the “Authorization End Date” noted in SEVIS, no further updates need to be taken by the DSO with respect to the student’s full time status. System Instructions for Drop Below Requirements

**APPENDIX D – CREATE-UPDATE EXCHANGE VISITOR AND DEPENDENT
DATA ELEMENTS**

APPENDIX D – CREATE-UPDATE EXCHANGE VISITOR AND DEPENDENT DATA ELEMENTS

The data elements described in the table shown below relate to the schema entitled “Create-UpdateExchangeVisitor.xsd”. When an element is marked with “R*” in the Required/Optional column, this indicates that the element is required under certain circumstances. For example, the structure to which the element belongs is Optional, however, if that structure is present in the upload file, the elements of that structure marked with “R*” are required.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
SEVISBatchCreateUpdateEV	R	Structure		SEVIS Batch create or update exchange visitors	Structure used to provide information for creating or updating exchange visitor records.
(userID)	R	String	10	SEVIS User ID	SEVIS User ID of RO/ARO approving data contained in upload file.
BatchHeader	R	Structure		Header	Structure used to provide the header elements identifying the batch upload.
BatchID	R	String	14	Batch File identifier	A unique identifier assigned by the program for the batch upload file. Must be unique to the school for each data file uploaded. Use of date-time stamp is recommended.
OrgID	R	String	9	Program Number (Format: X-1-12345)	Program number assigned by the Department of State (DoS) when organization was designated.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
CreateEV	O	Structure		Create exchange visitor	Structure used when creating new exchange visitor records. Structure is optional; however, if structure is used, elements identified with "R*" must be provided. A maximum of 250 create EV and 250 update EV requests may be included in each upload file.
ExchangeVisitor	R*	Structure		Exchange Visitor information	Structure used to provide the required and optional information for the new exchange visitor.
(requestID)	R*	String	20	Request identifier	Individual record identifier must be provided for each record included in the upload file. Identifier must be unique within the upload file.
(userID)	R*	String	10	SEVIS User ID	SEVIS User ID of RO/ARO responsible for the request record. Name associated with this user ID will be shown in signature block on DS-2019 PDF file, if print request indicator is 1 or T.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF file is returned with Batch download.
EVBioInfo	R*	Structure		Biographical information	Structure used to provide biographical information for the exchange visitor.
FullName	R*	Structure		Full name structure	Structure used to provide the full name elements for the exchange visitor.
LastName	R*	String	40	Last name	Last name of exchange visitor. If exchange visitor has only one name, the name is provided in this element.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
FirstName	O	String	40	First name	First name of exchange visitor.
MiddleName	O	String	40	Middle name	Middle name of exchange visitor.
Suffix	O	String	3	Suffix code (Format: Jr., Sr., I, II, III, IV)	Name suffix for exchange visitor. (See table entitled Name Suffix Codes)
BirthDate	R*	Date	10	Birth date (Format: yyyy-MM-dd)	Exchange visitor's date of birth. See Exhibit 13, Exchange Visitor and Dependent Age Requirements.
Gender	R*	String	1	Gender (Format: M = Male, F = Female, or U = Unknown)	Exchange visitor's gender. A value is available to indicate the exchange visitor's gender is unknown. (See table entitled Gender Codes)
BirthCity	R*	String	200	City of birth	City where exchange visitor was born.
BirthCountryCode	R*	String	2	Country of birth	Exchange visitor's country of birth. Two-digit code associated with the exchange visitor's country of birth must be provided. Cannot be U.S. or U.S. Territory. Codes are provided for countries that have changed names or no longer exist. (See table entitled Country Codes)
CitizenshipCountryCode	R*	String	2	Country of citizenship	Exchange visitor's country of citizenship. Two-digit code associated with the exchange visitor's country of citizenship must be provided. Cannot be U.S. or U.S. Territory. (See table entitled Country Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
PermanentResidenceCountryCode	R*	String	2	Permanent residence country	Exchange visitor's country of legal permanent residence. Two-digit code associated with the exchange visitor's country of permanent residence must be provided. Cannot be U.S. or U.S. Territory. (See table entitled Country Codes)
PositionCode	R*	String	3	Position code (Format: Numeric)	The position that the exchange visitor holds in his/her home country. Three-digit numeric code representing the position held must be used. (See table entitled Exchange Visitor Position Code Type)
VisaType	R*	String	2	Visa classification type	Visa classification assigned to exchange visitor. Code associated with the visa type must be provided. (See table entitled Exchange Visitor Visa Type Codes)
USAddr	R*	Structure		U.S. address	Address where exchange visitor will reside while in the U.S. U.S. address is not required at the time a new record is created, however, if U.S. address structure is used, the elements within this structure marked "R*" must be provided.
USAddr1	R*	String	60	Address line 1	First line of street address for exchange visitor's U.S. address.
USAddr2	O	String	60	Address line 2	Second line of street address for exchange visitor's U.S. address.
USCity	R*	String	60	City	City for exchange visitor's U.S. address

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
USState	R*	String	2	State	State for exchange visitor's U.S. address. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)
USPostalCode	R*	String	5	Zip code	Zip code for exchange visitor's U.S. address.
USPostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for exchange visitor's U.S. address.
CreateReason	R*	Structure		Create Reason	This structure is a mutually exclusive choice. New exchange visitor is the only option available.
ReasonCode	R*	String	4	Exchange visitor starting a new program (Format: "New" = Begin New Program)	Reason code that identifies the reason the exchange visitor's record is being created in SEVIS. Code associated with creation reason must be used. (See table entitled Exchange Visitor Creation Reason Codes)
ProgramStartDate	R*	Date	10	Program start date (Format: yyyy-MM-dd)	Date the exchange visitor's program will begin. Exchange visitor cannot enter the U.S. more than 30 days prior to program start date. Program start date must be AFTER current date.
ProgramEndDate	R*	Date	10	Program End Date (Format: yyyy-MM-dd)	Date the exchange visitor's program will be completed. The program duration cannot exceed the maximum duration of stay and cannot be less than the minimum duration of stay. See Exhibit 12, Department of State Maximum and Minimum Duration of Stay Rules.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
FinancialSupport	R*	Structure		Financial support information	Structure used to provide information on financial support available to the exchange visitor. Funding information should be provided for the entire length of the program. Structure is required and elements identified with "R*" must be provided.
ReceivedUSGovFunds	R*	Boolean	1	Indication of receipt of U.S. Government funds (Format: 1 or true; 0 or false)	Indication whether exchange visitor has received funding from the U.S. Government.
ProgramSponsorFunds	O	String	6	Program Sponsor funds (Format: Integer only, no dollar signs, decimals, or commas)	Amount of financial support being provided by the Program Sponsor.
OtherFunds	R*	Structure		Other financial support	Structure used to identify funding received from other organizations.
USGovtOrg	O	Structure		U.S Government organization	Structure used to identify funding received from U.S. Government organizations. Funding may be received from a maximum of two (2) U.S. Government organizations. Structure is optional and all elements within structure are optional.
GovtOrg1	O	String	3	U.S. Government organization 1	U.S. Government organization that is providing funding to the exchange visitor. Three-digit code associated with the organization type must be provided. (See table entitled U.S. Government Agency Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
GovtOrg1Amount	O	String	6	U.S. Government organization amount (Format: Integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the U.S. Government organization identified in the element USGovOrg1. If an organization is provided in the element USGovOrg1, an amount must be provided.
GovtOrg2	O	String	3	U.S. Government organization 2	U.S. Government organization that is providing funding to the exchange visitor. Three-digit code associated with the organization type must be provided. (See table entitled U.S. Government Agency Codes)
GovtOrg2Amount	O	String	6	U.S. Government organization funding amount (Format: Integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the U.S. Government organization identified in the element USGovOrg2. If an organization is provided in the element USGovOrg2, an amount must be provided.
InternatOrg	O	Structure		International organization funding	Structure used to identify funding received from international organizations. Funding may be received from a maximum of two (2) international organizations. Structure is optional and all elements within structure are optional.
InternatOrg1	O	String	6	International organization 1	International organization that is providing funding to the exchange visitor. Code associated with the granting organization type must be provided. (See table entitled International Organization Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
InternatOrg1Amount	O	String	6	International organization funding amount (Format: Integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the international organization identified in the element InternatOrg1. If an organization is provided in the element InternatOrg1, an amount must be provided.
InternatOrg2	O	String	6	International organization 2 (Format: Integer only, no dollar signs, decimals, or commas)	International organization that is providing funding to the exchange visitor. Code associated with the granting organization type must be provided. (See table entitled International Organization Codes)
InternatOrg2Amount	O	String	6	International organization funding amount (Format: Integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the international organization identified in the element InternatOrg2. If an organization is provided in the element InternatOrg2, an amount must be provided.
EVGovt	O	String	6	Financial support from exchange visitor's government (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the government of the exchange visitor's country. Amount can not be less than 1.
BinationalCommission	O	String	6	Financial support from the Binational Commission (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the Binational Commission of the exchange visitor's country. Amount can not be less than 1.
OtherOrg	O	String	6	Financial support from other organizations (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Total amount of funding being provided by other organizations. Amount can not be less than 1.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
PersonalFunds	O	String	6	Personal funds (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Total amount of personal funds available to the exchange visitor. Amount can not be less than 1.
FRemarks	O	String	500	Remarks	Text field for providing remarks related to exchange visitor's financial support.
CreateDependent	O	Structure		Dependent information	Structure used to create a record for dependents that will accompany exchange visitor to the U.S. Structure is optional; however, if structure is used, elements identified with "R*" must be provided. A maximum of 25 dependents per exchange visitor may be entered in SEVIS.
Dependent	O	Structure		Dependent	Structure used to provide information relative to a single dependent. Multiple Dependent structures may be included in a single create exchange visitor request. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
FullName	R*	Structure		Full name	Structure used to provide full name elements for dependent.
LastName	R*	String	40	Last name	Last name of dependent. If dependent has only one name, the name is provided in this element.
FirstName	O	String	40	First name	First name of dependent.
MiddleName	O	String	40	Middle name	Middle name of dependent.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Suffix	O	String	3	Suffix code (Format: Jr., Sr., I, II, III, IV)	Name suffix for dependent. (See table entitled Name Suffix Codes)
BirthDate	R*	Date	10	Birth date (Format: yyyy-MM-dd)	Dependent's birth date. Child dependents cannot be 21 or more years of age.
Gender	R*	String	1	Gender (Format: M = Male, F = Female, or U = Unknown)	Dependent's gender. A value is available to indicate the dependent's gender is unknown. (See table entitled Gender Codes)
BirthCity	R*	String	200	City of Birth	City where dependent was born.
BirthCountryCode	R*	String	2	Country of birth	Dependent's country of birth. Two-digit code associated with the dependent's country of birth must be provided. Codes are provided for countries that have changed names or no longer exist. (See table entitled Country Codes)
CitizenshipCountryCode	R*	String	2	Country of citizenship	Dependent's country of citizenship. Two-digit code associated with the dependent's country of citizenship must be provided. (See table entitled Country Codes)
PermanentResidenceCountryCode	R*	String	3	Permanent residence country	Dependent's country of legal permanent residence. Two-digit code associated with the dependent's country of permanent residence must be provided. (See table entitled Country Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Relationship	R*	String	2	Relationship (Format: 01 = Spouse; 02 = Child)	Dependent's relationship to exchange visitor. Regulations permit only one spouse to accompany exchange visitor to the U.S. Two-digit code for either Spouse or Child must be used. (See table entitled Dependent Type Codes)
UserDefinedA	O	String	10	User defined field A	A text field for recording any code used by the program sponsor to identify the dependent, e.g., ID number or file number.
UserDefinedB	O	String	14	User defined field A	A text field for recording any code used by the program sponsor to identify the dependent, e.g., ID number or file number.
CategoryCode	R*	String	2	Program category	Program category for exchange visitor. (See table entitled Exchange Visitor Category Code Type)
SubjectField	R*	Structure		Subject or field of study	Structure used to provide information on the subject or field of study for the exchange visitor.
SubjectFieldCode	R*	String	7	Code for subject or field of study (Format: 12.1234) (NOTE: The code sent to SEVIS must include the decimal point.)	Code from CIP 2000 list of codes that represents exchange visitor's subject or field of study. (See table entitled Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors)
SFRemarks	R*	String	500	Remarks	Text field for providing remarks related to the SubjectField element.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
AddSiteOfActivity	R	Structure		Site of activity address	Structure used to provide information on site of activity for exchange visitor. Multiple sites of activity may be added when creating an exchange visitor.
SiteOfActivity	R	Structure		Site of Activity address	Structure used to provide elements of U.S. address for site of activity.
USAddr1	R	String	60	Address line 1	First line of street address for site of activity.
USAddr2	O	String	60	Address line 2	Second line of street address for site of activity.
USCity	R	String	60	City	City for site of activity address.
USState	R	String	2	State	State for site of activity address. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)
USPostalCode	R	String	5	Zip code	Zip code for site of activity address.
USPostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for site of activity address.
SiteOfActivityName	R	String	60	Site of Activity name	Text field for providing name of site of activity, e.g., Thunderbird Ranch Summer Camp
UserDefinedA	O	String	10	User defined field A	A text field for recording any code used by the program sponsor to identify the exchange visitor, e.g., ID number or file number.
UserDefinedB	O	String	14	User defined field B	A second field for recording any code used by the program sponsor to identify the exchange visitor.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
UpdateEV	O	Structure		Update exchange visitor NOTE: Up to 250 updates can be requested per upload file.	Structure used to provide updates to exchange visitor information already recorded in SEVIS. This structure is optional and is a mutually exclusive choice. Use the structure/elements associated with the update action that is being requested for the exchange visitor. Multiple updates may be requested for a single exchange visitor; however, each update must be submitted as a separate request.
ExchangeVisitor	R*	Structure		Exchange visitor information	Structure used to provide information related to exchange visitor being updated.
(sevisID)	R*	String	11	SEVIS ID (Format: N123456789)	SEVIS ID of exchange visitor being updated.
(requestID)	R*	String	20	Request identifier	Individual record identifier must be provided for each record included in the upload file. Identifier must be unique within the upload file.
(userID)	R*	String	10	SEVIS User ID of RO/ARO responsible for the request record	SEVIS User ID of RO/ARO responsible for the request record. Name associated with this user ID will be shown in signature block on DS-2019 PDF file, if print request indicator is 1 or TRUE.
UserDefinedA	O	String	10	User defined field A	A text field for recording any code used by the program sponsor to identify the exchange visitor, e.g., ID number or file number.
UserDefinedB	O	String	14	User defined field B	A second field for recording any code used by the program sponsor to identify the exchange visitor.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Biographical	O (Choice)	Structure		Edit exchange visitor biographical information	Structure used to edit an existing exchange visitor's biographical information. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF file is returned with Batch download.
FullName	O	Structure		Full name structure	Structure used to provide the full name elements for the exchange visitor.
LastName	R*	String	40	Last name	Last name of exchange visitor. If exchange visitor has only one name, the name is provided in this element.
FirstName	O	String	40	First name	First name of exchange visitor.
MiddleName	O	String	40	Middle name	Middle name of exchange visitor.
Suffix	O	String	3	Suffix code (Format: Jr., Sr., I, II, III, IV)	Name suffix for exchange visitor. (See table entitled Name Suffix Codes)
BirthDate	O	Date	10	Birth date (Format: yyyy-MM-dd)	Exchange visitor's birth date
Gender	O	String	1	Gender (Format: M = Male, F = Female, or U = Unknown)	Exchange visitor's gender. A value is available to indicate the exchange visitor's gender is unknown. (See table entitled Gender Codes)
BirthCity	O	String	200	City of birth	City where exchange visitor was born.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
BirthCountryCode	O	String	2	Country of birth	Exchange visitor's country of birth. Two-digit code associated with the exchange visitor's country of birth must be provided. Cannot be U.S. or U.S. Territory. Codes are provided for countries that have changed names or no longer exist. (See table entitled Country Codes)
CitizenshipCountryCode	O	String	2	Country of citizenship	Exchange visitor's country of citizenship. Cannot be U.S. or U.S. Territory. Two-digit code associated with the exchange visitor's country of citizenship must be provided. (See table entitled Country Codes)
PermanentResidenceCountryCode	O	String	2	Permanent residence country	Exchange visitor's country of legal permanent residence. Cannot be U.S. or U.S. Territory. Two-digit code associated with the exchange visitor's country of permanent residence must be provided. (See table entitled Country Codes)
USAddress	O	Structure		Current US address information	Structure used to provide exchange visitor's U.S. address. Structure is optional, however, if structure is used, elements identified with "R*" must be provided.
USAddr1	R*	String	60	Address line 1	First line of street address for exchange visitor's U.S. address.
USAddr2	O	String	60	Address line 2	Second line of street address for exchange visitor's U.S. address.
USCity	R*	String	60	City	City for exchange visitor's U.S. address

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
USState	R*	String	2	State	State for exchange visitor's U.S. address. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)
USPostalCode	R*	String	5	Zip code	Zip code for exchange visitor's U.S. address. *
USPostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for exchange visitor's U.S. address.
PositionCode	O	String	3	Position code (Format: Numeric)	The position that the exchange visitor holds in his/her home country. Three-digit numeric code representing the position held must be used. (See table entitled Exchange Visitor Position Code Type)
Remarks	O	String	500	Remarks	Text field for providing remarks related to exchange visitor's biographic information update.
Dependent	O (Choice)	Structure		Edit dependent	Structure used to edit information related to a dependent. This structure is a mutually exclusive choice. Use the structure/element associated with the reason the dependent's record is being updated. If structure is used, elements identified with "R*" must be provided.
UserDefinedA	O	String	10	User defined field A	A text field for recording any code used by the OrgID to identify the dependent, e.g., ID number or file number.
UserDefinedB	O	String	14	User defined field B	A second field for recording any code used by the OrgID to identify the dependent.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Add	O (Choice)	Structure		Add dependent	Structure used to create a record for a dependent that will accompany exchange visitor to the U.S. Structure is optional; however, if structure is used, elements identified with "R*" must be provided. A maximum of 25 dependents per exchange visitor may be entered in SEVIS.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
FullName	R*	Structure		Full name	Structure used to provide full name elements for dependent.
LastName	R*	String	40	Last name	Last name of dependent. If dependent has only one name, the name is provided in this element.
FirstName	O	String	40	First name	First name of dependent.
MiddleName	O	String	40	Middle name	Middle name of dependent.
Suffix	O	String	3	Suffix code (Format: Jr., Sr., I, II, III, IV)	Name suffix for dependent. (See table entitled Name Suffix Codes)
BirthDate	R*	Date	10	Birth date (Format: yyyy-MM-dd)	Dependent's birth date
Gender	R*	String	1	Gender (Format: M = Male, F = Female, or U = Unknown)	Dependent's gender. A value is available if the dependent's gender is unknown. (See table entitled Gender Codes)
BirthCity	R*	String	200	City of birth	City where dependent was born.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
BirthCountryCode	R*	String	2	Country of birth	Dependent's country of birth. Two-digit code associated with the dependent's country of birth must be provided. Codes are provided for countries that have changed names or no longer exist. (See table entitled Country Codes)
CitizenshipCountryCode	R*	String	2	Country of citizenship	Dependent's country of citizenship. Two-digit code associated with the dependent's country of citizenship must be provided. (See table entitled Country Codes)
PermanentResidenceCountryCode	R*	String	2	Permanent residence country	Exchange visitor's country of legal permanent residence. Cannot be U.S. or U.S. Territory. Two-digit code associated with the exchange visitor's country of permanent residence must be provided. (See table entitled Country Codes)
Relationship	R*	String	2	Relationship (Format: 01 = Spouse; 02 = Child)	Dependent's relationship to the EV. Regulations permit only one spouse to accompany EV during study in the U.S. Two-digit code for either Spouse or Child must be used. (See table entitled Dependent Type Codes)
Remarks	O	String	500	Remarks	This field may be used by institutions to record general remarks about the dependent.
Edit	O (Choice)	Structure		Dependent personal information	Structure used to update information related to a dependent. If structure is used, elements identified with "R*" must be provided.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N123456789)	SEVIS ID of dependent record being updated.
(printform)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
FullName	O	Structure		Full name	Structure used to update full name elements for dependent.
LastName	R*	String	40	Last name	Last name of dependent. If dependent has only one name, the name is provided in this element.
FirstName	O	String	40	First name	First name of dependent.
MiddleName	O	String	40	Middle name	Middle name of dependent.
Suffix	O	String	3	Suffix code (Format: Jr., Sr., I, II, III, IV)	Name suffix for dependent. (See table entitled Name Suffix Codes)
BirthDate	O	Date	10	Birth date (Format: yyyy-MM-dd)	Dependent's birth date
Gender	O	String	1	Gender (Format: M = Male, F = Female, or U = Unknown)	Dependent's gender. A value is available if the dependent's gender is unknown. (See table entitled Gender Codes)
BirthCity	R*	String	200	City of birth	City where dependent was born.
BirthCountryCode	O	String	2	Country of birth	Dependent's country of birth. Two-digit code associated with the dependent's country of birth must be provided. Codes are provided for countries that have changed names or no longer exist. (See table entitled Country Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
CitizenshipCountryCode	O	String	2	Country of citizenship	Dependent's country of citizenship. Two-digit code associated with the dependent's country of citizenship must be provided. (See table entitled Country Codes)
PermanentResidenceCountryCode	O	String	2	Permanent residence country	Dependent's country of legal permanent residence. Cannot be U.S. or U.S. Territory. Two-digit code associated with dependent's country of permanent residence must be provided. (See table entitled Country Codes)
Relationship	O	String	2	Relationship (Format: 01 = Spouse; 02 = Child)	Dependent's relationship to the EV. Regulations permit only one spouse to accompany EV during study in the U.S. Two-digit code for either Spouse or Child must be used. (See table entitled Dependent Type Codes)
Remarks	O	String	500	Remarks	Text field for recording general remarks about the dependent update request.
EndStatus	O (Choice)	Structure		End the status for a dependent	Structure used to end the status for a dependent. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N123456789)	SEVIS ID of dependent record being updated.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Reason	R*	String	2	Status reason code	Dependent completion code representing reason dependent program is being ended. (See table entitled Dependent Completion Codes)
OtherReason	O	String	500	Other end status reason	Text field for providing other reason dependent's status is being ended.
Remarks	O	String	500	Remarks for end dependent status	Text field for providing an explanation of the reason the dependent's status is being ended.
Reprint	O (Choice)	Structure		Reprint Dependent DS-2019	Structure used to request reprint for a dependent. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N123456789)	SEVIS ID of dependent record being updated.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF file is returned with Batch download.
Reason	R*	String	2	Reprint Request Reason Codes	See Reprint Request Reason Codes
Remarks	O	String	500	Remarks	Text field for recording general remarks about the dependent termination request.
Terminate	O (Choice)	Structure		Terminate dependent	Structure used to terminate a dependent, e.g., dependent is leaving the U.S. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N123456789)	SEVIS ID of dependent record being updated.
Reason	R*	String	2	Termination reason code	The reason the dependent is being terminated. Two-digit code associated with termination reason must be provided. (See table entitled Exchange Visitor Dependent Termination Codes)
OtherReason	O	String	500	Other end status reason	Text field for providing other reason dependent's status is being ended.
EffectiveDate	R*	Date	10	Effective date of terminate (Format: yyyy-MM-dd)	The effective date that the dependent is being terminated.
Remarks	O	String	500	Remarks	Text field for recording general remarks about the dependent termination request.
Financial	O (Choice)	Structure		Update financials information	Structure used to provide updated information related to financial support available to the exchange visitor. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that DS- 2019 in PDF file is returned with Batch download.
ReceivedUSGovFunds	O	Boolean	1	Indication of receipt of U.S. Government funds (Format: 1 or true; 0 or false)	Indication that exchange visitor has received funding from the U.S. Government.
CurrentProgramSponsor	O	String	6	Program Sponsor funds (Format: Integer only, no dollar signs, decimals, or commas)	Amount of financial support being provided by the Program Sponsor.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
OtherFunds	O	Structure		Other financial support	Structure used to identify funding received from other organizations.
USGovtOrg	O	Structure		U.S Government organization	Structure used to identify funding received from U.S. Government organizations. Funding may be received from a maximum of two (2) U.S. Government organizations. Structure is optional and all elements within structure are optional.
GovtOrg1	O	String	3	U.S. Government organization 1	U.S. Government organization that is providing funding to the exchange visitor. Three-digit code associated with the organization type must be provided. (See table entitled U.S. Government Agency Codes)
GovtOrg1Amount	O	String	6	U.S. Government organization amount (Format: Integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the U.S. Government organization identified in the element USGovOrg1. If an organization is provided in the element USGovOrg1, an amount must be provided.
GovtOrg2	O	String	3	U.S. Government organization 2	U.S. Government organization that is providing funding to the exchange visitor. Three-digit code associated with the organization type must be provided. (See table entitled U.S. Government Agency Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
GovtOrg2Amount	O	String	6	U.S. Government organization funding amount (Format: Integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the U.S. Government organization identified in the element USGovOrg2. If an organization is provided in the element USGovOrg2, an amount must be provided.
InternatOrg	O	Structure		International organization funding	Structure used to identify funding received from international organizations. Funding may be received from a maximum of two (2) international organizations. Structure is optional and all elements within structure are optional.
InternatOrg1	O	String	6	International organization 1	International organization that is providing funding to the exchange visitor. Code associated with the granting organization type must be provided. (See table entitled International Organization Codes)
InternatOrg1Amount	O	String	6	International organization funding amount (Format: Integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the international organization identified in the element InternatOrg1. If an organization is provided in the element InternatOrg1, an amount must be provided.
InternatOrg2	O	String	6	International organization 2 (Format: Integer only, no dollar signs, decimals, or commas)	International organization that is providing funding to the exchange visitor. Code associated with the granting organization must be provided. (See table entitled International Organization Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
InternatOrg2Amount	O	String	6	International organization funding amount (Format: Integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the international organization identified in the element InternatOrg2. If an organization is provided in the element InternatOrg2, an amount must be provided.
EVGovt	O	String	6	Financial support from exchange visitor's government (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the government of the exchange visitor's country. Amount can not be less than 1.
BinationalCommission	O	String	6	Financial support from the Binational Commission (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the Binational Commission of the exchange visitor's country. Amount can not be less than 1.
OtherOrg	O	String	6	Financial support from other organizations (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Total amount of funding being provided by other organizations. Amount can not be less than 1.
PersonalFunds	O	String	6	Personal funds (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Total amount of personal funds available to the exchange visitor. Amount can not be less than 1.
Remarks	O	String	500	Remarks	Text field for providing remarks related to exchange visitor's financial support.
Program	O (Choice)	Structure		Program events	Structure used to update an exchange visitor's program information.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
AddExtend	O (Choice)	Structure		Add extension within maximum duration of stay	Structure used to provide information on an extension to the exchange visitor's program, within the maximum duration of stay. Structure is optional; however, if structure is used, elements identified with "R*" must be provided. See Exhibit 12, Department of State Maximum and Minimum Duration of Stay Rules .
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF file is returned with Batch download.
NewPrgEndDate	R*	Date	10	New program end date (Format: yyyy-MM-dd)	The new date that the exchange visitor's program will end.
Remarks	O	String	500	Extend program remarks	Text field for providing remarks related to the extension of the exchange visitor's program.
Amend	O (Choice)	Structure		Amend program	Structure used to provide information related to an amendment to the exchange visitor's program. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF file is returned with Batch download.
PrgStartDate	R*	Date	10	Program start date (Format: yyyy-MM-dd)	Date the exchange visitor's program will begin. Exchange visitor cannot enter the U.S. more than 30 days prior to program start date. Program start date must be AFTER current date.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
PrgEndDate	R*	Date	10	Program End Date (Format: yyyy-MM-dd)	Date the exchange visitor's program will be completed.
Remarks	O	String	500	Amend program remarks	Text field for providing remarks related to the exchange visitor's program amendment.
EditSubject	O (Choice)	Structure		Edit subject or field of study	Structure used to update the subject/field for the exchange visitor. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF file is returned with Batch download.
SubjectFieldCode	R*	String	7	Subject or field of study code (Format: 12.1234) (NOTE: The code sent to SEVIS should include the decimal point.)	Subject or field of study exchange visitor is performing while participating in a program. Seven-digit code associated with subject or field must be used. (See table entitled Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors)
UpdateRemarks	R*	String	500	Update remarks	Text field for providing remarks related to the update to the subject or field of study.
Remarks	R*	String	500	Remarks	Text field for providing remarks related to the subject or field of study.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Matriculate	O (Choice)	Structure		Matriculation of exchange visitor	Structure used to provide information on the matriculation of an exchange visitor's program. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF file is returned with Batch download.
NewPrgEndDate	R*	Date	10	New program end date (Format: yyyy-MM-dd)	New program end date
MatriculationCode	R*	String	2	Matriculation code (Format: 01 = Associate to Bachelors; 02 = Bachelors to Masters; 03 = Masters to Doctorate)	The code associate with the matriculation type for the exchange visitor. Two-digit code associate with matriculation type must be provided. (See table entitled Matriculation Codes)
Reprint	O (Choice)	Structure		Reprint Form DS-2019	Structure used to request a reprint of the exchange visitor's Form DS-2019. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	O*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF file is returned with Batch download. Default to true.
Reason	R*	String	1	Reason Code for reprint	Reason for requesting the reprint. (See table entitled Exchange Visitor Reprint Request Reason Codes)
Remarks	O	String	500	Remarks	Text field for providing remarks related to the reprint request.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
SiteOfActivity	O (Choice)	Structure		Site of Activity Events	Structure used to update site of activity list of EV. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
Add	O (Choice)	Structure		Add site of activity	Structure used to provide information on site of activity being added. Multiple sites of activity may be added. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF file is returned with Batch download.
USAddr1	R*	String	60	Address line 1	First line of street address for site of activity. *
USAddr2	O	String	60	Address line 2	Second line of street address for site of activity.
USCity	R*	String	60	City	City for site of activity address.
USState	R*	String	2	State	State for site of activity address. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)
USPostalCode	R*	String	5	Zip code	Zip code for site of activity address.
USPostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for site of activity address.
SiteName	R*	String	60	Site of Activity name	Text field for providing name of site of activity, e.g., Thunderbird Ranch Summer Camp.
Remarks	O	String	500	Remarks	Text field for providing remarks related to the site of activity.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Delete	O (Choice)	Structure		Delete Site of Activity	Structure used to provide information on site of activity that is being deleted. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF file is returned with Batch download.
SiteName	R*	String	60	Site of Activity name	Text field for providing name of site of activity being deleted, e.g., Thunderbird Ranch Summer Camp. Name matching is case sensitive. Only exact matching names will be deleted.
Remarks	O	String	500	Remarks	Text field for providing remarks related to the deletion of the site of activity.
Edit	O (Choice)	Structure		Edit existing site of activity	Structure used to provide information on site of activity being updated. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF file is returned with Batch download.
USAddr1	R*	String	60	Address line 1	First line of street address for site of activity. *
USAddr2	O	String	60	Address line 2	Second line of street address for site of activity.
USCity	R*	String	60	City	City for site of activity address.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
USState	R*	String	2	State	State for site of activity address. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)
USPostalCode	R*	String	5	Zip code	Zip code for site of activity address.
USPostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for site of activity address.
SiteName	R*	String	60	Current site of activity name (for lookup)	Text field for providing name of site of activity in order to lookup the existing site.
NewSiteName	O	String	60	New site of activity name	New name of site of activity: text field for providing name of site of activity, e.g., Thunderbird Ranch Summer Camp.
Remarks	O	String	500	Remarks	Text field for providing remarks related to the site of activity.
Status	O (Choice)	Structure		EV Status Change Events	Structure used to change the status of the EV. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
CorrectInfraction	O (Choice)	Structure		Correct minor or technical infraction	Structure used to provide information on action taken to correct minor or technical infraction. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF file is returned with Batch download.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
InfractionType	R*	String	3	Infraction type	Type of infraction being corrected. (See table entitled Exchange Visitor Infraction Code Type)
NewEndDate	O	Date	10	New end date (Format: yyyy-MM-dd)	The new date that the exchange visitor's program will end.
Remarks	O	String	200	Remarks	Text field for providing remarks related to the correct minor or technical infraction request.
End	O (Choice)	Structure		End exchange visitor program	Structure used to request update to exchange visitor record to mark the program as ended. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.
Reason	R*	String	2	End program reason code (Format: Numeric only, 12)	The reason the exchange visitor's program has ended. Two-digit code associated with reason for ending program must be used. (See table entitled Exchange Visitor Completion Codes)
EffectiveDate	R*	Date	10	Termination date (Format: yyyy-MM-dd)	The date the program is ending.
Remarks	O	String	500	Remarks for end program	Text field for providing remarks related to the end program request.
Terminate	O (Choice)	Structure		Terminate exchange visitor	Structure used to request termination of exchange visitor. Structure is optional; however, if structure is used, elements identified with "R*" must be provided.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Reason	R*	String	6	Reason for termination (Format: Alpha only, ABCDEF)	The reason the exchange visitor is being terminated. Two-digit code associated with reason for termination must be provided. (See table entitled Exchange Visitor Termination Reason Codes)
EffectiveDate	R*	Date	10	Termination date (Format: yyyy-MM-dd)	The date the exchange visitor's termination is effective.
Remarks	O	String	500	Remarks for termination	Text field for providing remarks related to the termination request.
Validate	O (Choice)	Structure		Validate participant	Structure used to validate the exchange visitor's participation in the program. Structure is optional, however, if structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Format: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF file is returned with Batch download.
CurrentUSAddress	R*	Structure		Current US address information	Structure used to provide exchange visitor's current U.S. address.
USAddr1	R*	String	60	Address line 1	First line of street address for exchange visitor's current U.S. address.
USAddr2	O	String	60	Address line 2	Second line of street address for exchange visitor's current U.S. address.
USCity	R*	String	60	City	City for exchange visitor's current U.S. address

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
USState	R	String	2	State	State for exchange visitor's current U.S. address. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)
USPostalCode	R*	String	5	Zip code	Zip code for exchange visitor's current U.S. address. *
USPostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for exchange visitor's current U.S. address.

Exhibit 12: Department of State Maximum and Minimum Duration of Stay Rules

Category	Minimum Duration of Participation ¹	Minimum Duration of Participation for Sponsors with Program Serial G-1, G-2, or G-3	Maximum Duration of Participation	Extension beyond maximum duration of participation is permitted (requires DOS approval)
Professor and Research Scholar	3 weeks	N/A	42 months	Yes
Teachers	3 weeks	N/A	3 years	Yes
Alien Physicians	3 weeks	N/A	7 years	Yes
International Visitors	N/A	N/A	1 year	Yes
Government Visitors	3 weeks	N/A	18 months	Yes
Short -Term Scholars	N/A	N/A	6 months	No
Specialists	3 weeks	N/A	1 year	No
Camp Counselor	3 weeks	N/A	4 months	No
Summer Work Travel	3 weeks	N/A	4 months	No
Associate Degree Student	3 weeks	N/A	N/A	N/A
Bachelor's Degree Student	3 weeks	N/A	N/A	N/A
Master's Degree Student	3 weeks	N/A	N/A	N/A
Doctorate Degree Student	3 weeks	N/A	N/A	N/A
Non-Degree Student	3 weeks	N/A	2 years	No
Secondary Student	One academic semester (5 months)	One academic semester (5 months)	1 year	No
Au Pair	1 year	N/A	1 year	Yes
Flight Trainee	3 weeks	N/A	24 months	Yes
All Other Trainees	3 weeks	N/A	18 months ²	Yes

Exhibit 13: Exchange Visitor and Dependent Age Requirements

Category	Age Requirements
Au Pair	Must be between the age of 18 and 26 years as of the program begin date
Camp Counselor	Must be at least 18 years of age as of the program begin date
Secondary School Student	Must be at least 15 years of age but not more than 18½ years of age as of the program begin date
Child Dependents	A child dependent cannot be 21 years of age or older. When a child dependent turns 21, the system will set the dependent's completion date to the current date.

**APPENDIX E – SEVIS TRANSACTION LOG
DATA ELEMENTS**

APPENDIX E – SEVIS TRANSACTION LOG DATA ELEMENTS

The data elements described in the table shown below relate to the schema entitled “SEVISTransLog.xsd”. When an element is marked with “R*” in the Required/Optional column, this indicates that the element is required under certain circumstances. For example, the structure to which the element belongs is Optional, however, if that structure is present in the upload file, the elements of that structure marked with “R*” are required.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
TransactionLog	R	Structure		Transaction Log	Structure used to report transaction results from the SEVIS Batch process.
BatchHeader	R	Structure		Transaction header	Structure used to provide header information for the transaction log. This structure is identical to Student and Visitor BatchHeader and uses the same complex type element defined in common.xsd.
BatchID	R	String	14	Batch ID	Identification number provided in the uploaded XML file. If XML is not well-formed or Batch ID is otherwise unretrievable, the value is set to <blank>.
OrgID	R	String	15	Program Number: P-##### or G-##### Student Code: AAA214F#####	SEVIS program number or school code assigned to the organization that submitted the upload.
BatchDetail	R	Structure		All available detail on submitted XML	Structure used to report the progress and results of upload, process, and/or download.
(status)	R	Boolean	1	Final disposition	The status attribute is set to true if there are no errors associated with this batch submittal in its current state. It is always false until the XML has been successfully processed (with no business rules validation) and downloaded.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
(system)	O	String	30	SEVIS Batch System indicator	The system attribute indicates the SEVIS Batch system from which this transaction log was requested by the user and generated by the application. This is an optional attribute which may contain PROD, ALPHA, BETA, etc.
Upload	O	Structure		File upload result	Structure used to report the results of the file upload process.
(resultCode)	R	String	5	Result / error code	Disposition of upload. The resultCode attribute is set to success if the upload passes all security requirements and the XML file is accepted and successfully validated against the appropriate SEVIS schema; otherwise, resultCode contains the appropriate result / error code.
(dateTimeStamp)	R	String	29	Date and time (Format: yyyy-MM-ddThh:mm:ss.SSS-hh:mm)	Date and time upload request was processed by SEVIS. (See Exhibit 14, Date Time Stamp Format for Transaction Logs, for an explanation of the elements of the date time stamp.)
FileName	R	String	30	Uploaded file name	Uploaded file name.
Validation	R	Structure		XML schema validation	Structure used to report results of the XML schema validation process.
(status)	R	Boolean	1	File validation result (Format: 1 or true; 0 or false)	Indicator for whether the XML schema validation process passed or failed.
Error	O	Structure		Error	Structure used to document the specific error code and message.
ErrorCode	R	String	5	Error code	Error code returned during XML schema validation process.
ErrorCode	R	String	500	Description of error code	Text description of the error code returned during XML schema validation process.
Process	O	Structure		XML file process info and status	Structure containing information related to the uploaded XML and the current disposition of the XML records.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
(resultCode)	R	String	5	Result / error code	The resultCode attribute is set to success if all submitted records process successfully; otherwise, the resultCode indicates either that: 1) file has not yet been processed or 2) the file has been processed with at least one record failing business rule validation (although all other records are successfully loaded into SEVIS).
(dateTimeStamp)	R	String	29	Date and time (Format: yyyy-MM-ddThh:mm:ss.SSS-hh:mm)	Date and time XML was processed by SEVIS. (See Exhibit 14, Date Time Stamp Format for Transaction Logs, for an explanation of the elements of the date time stamp.)
RecordCount	R	Structure		Record counts	Structure containing the disposition counts of the processed records.
Success	R	Integer	5	Successful records	Number of records successfully loaded into SEVIS.
Failure	R	Integer	5	Failed records	Number of records which failed business rule validation; consequently, these records were not loaded into SEVIS.
Total	R	Integer	5	Total records	Number of records submitted (must always equal Success + Failure).
Record	R	Structure		Individual record	Structure used to report on the processing results for a specific record. There will be one record structure for each record processed.
(sevisID)	O	String	11	SEVIS ID (Format: Alpha/Numeric, N123456789)	SEVIS ID of record processed.
(requestID)	R	Attribute	20	Record identifier	Identifier used by the school or program to define the specific record in the uploaded file.
(userID)	R	Attribute	10	SEVIS User ID	SEVIS user ID of the authorized official who is responsible for this individual record request.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
UserDefinedA	O	String	10	User defined field A	A text field for recording any code used by the organization to identify the student or exchange visitor, e.g., ID number or file number.
UserDefinedB	O	String	14	User defined field B	A second field for recording any code used by the organization to identify the student or exchange visitor.
ProcessDate	R	String	29	Date and time (Format: yyyy-MM-ddThh:mm:ss.SSS-hh:mm)	Date and time record request was processed by SEVIS. (See Exhibit 14, Date Time Stamp Format for Transaction Logs, for an explanation of the elements of the date time stamp.)
Result	R	Structure		Results of record processing	Structure used to report the results of processing an individual record. All business rule exceptions are reported at this level even if the violation occurred at the dependent level.
(status)	R	Boolean	1	Record processing result (Format: 1 or true; 0 or false)	Indicator for whether the record was processed successfully.
ErrorCode	O	String	5	Error code	Error code returned during the processing of the individual record. See Appendix B for more information.
ErrorMessage	O	String	500	Description of error code	Text description of the error code returned during the processing of the individual record.
Dependent	O	Structure		Results of dependent record processing	Structure used to report the results of processing the dependent record.
(dependentSevisID)	O	String	11	SEVIS ID (Format: Alpha/Numeric, N123456789)	SEVIS ID of dependent record processed.
UserDefinedA	O	String	10	User defined field A	A text field for recording any code used by the organization to identify the dependent, e.g., ID number or file number.
UserDefinedB	O	String	14	User defined field B	A second field for recording any code used by the organization to identify the dependent.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Download	O	Structure		Download request result	Structure used to report the results of the file download request.
(resultCode)	R	String	5	Result / error code	The resultCode attribute is set to success if download passes all security requirements and there was an XML file processed for this OrgID and BatchID (pass or fail); otherwise, resultCode contains the appropriate result or error code.
(dateTimeStamp)	R	String	29	Date and time (Format: yyyy-MM-ddThh:mm:ss.SSS-hh:mm)	Date and time XML was processed by SEVIS. (See Exhibit 14, Date Time Stamp Format for Transaction Logs, for an explanation of the elements of the date time stamp.)

Exhibit 14: Date Time Stamp Format for Transaction Logs

Element	Description
yyyy	Four-digit Year
-	Hyphen Separator
MM	Month
-	Hyphen Separator
dd	Day
T	Separator between date and time – always “T”
hh	Hour represented in 24-hour format
:	Colon separator
mm	Minutes
:	Colon separator
ss	Seconds
.	Period Separator
SSS	Milliseconds
-	Hyphen Separator
hh	Hour represented in 12-hour format
:	Colon Separator
mm	Minutes

Exhibit 15: Sample Transaction Log for Schema Validation Errors

```
<TransactionLog>
  <BatchHeader>
    <BatchID>000000000000001</BatchID>
    <OrgID>P-1-00000</OrgID>
  </BatchHeader>
  <BatchDetail status="false">
    <Upload resultCode="S0013" dateTimeStamp="{xs.dateTime}">
      <FileName>upload-file.xml</FileName>
      <Validation status="false">
        <Error>
          <ErrorCode>S0014</ErrorCode>
          <ErrorMessage>Error - lineNumber: 1 at ColumnNumber: 446 [approx.] Message: cvc-complex-type.2.4.a: Invalid content
starting with element &apos;SchoolCode&apos;. The content must match
&apos;((&quot;&quot;;:BatchID), (&quot;&quot;;:OrgID))&apos;.</ErrorMessage>
        </Error>
        <Error>
          <ErrorCode>S0013</ErrorCode>
          <ErrorMessage>Error - lineNumber: 1 at ColumnNumber: 666 [approx.] Message: cvc-type.3.1.3: The value
&apos;Szszepaniakl&apos; of element &apos;LastName&apos; is not valid.</ErrorMessage>
        </Error>
        <Error>
          <ErrorCode>S0013</ErrorCode>
          <ErrorMessage>Error - lineNumber: 1 at ColumnNumber: 1004 [approx.] Message: cvc-type.3.1.3: The value
&apos;09&apos; of element &apos;VisaType&apos; is not valid.</ErrorMessage>
        </Error>
        <Error>
          <ErrorCode>S0013</ErrorCode>
          <ErrorMessage>Error - lineNumber: 1 at ColumnNumber: 1064 [approx.] Message: cvc-complex-type.2.4.a: Invalid
content starting with element &apos;Continue&apos;. The content must match &apos;((&quot;&quot;;:Initial)&apos;.</ErrorMessage>
        </Error>
      </Validation>
    </Upload>
  </BatchDetail>
</TransactionLog>
```

Exhibit 16: Sample Transaction Log for Successfully Processed XML with Business Validation Exceptions

```
<TransactionLog>
  <BatchHeader>
    <BatchID>00000000000001</BatchID>
    <OrgID>P-1-00000</OrgID>
  </BatchHeader>
  <BatchDetail status="true">
    <!-- UPLOAD -->
    <Upload resultCode="S0000" dateTimeStamp="{xs.dateTime}">
      <FileName>upload-success.xml</FileName>
      <Validation status="true" />
    </Upload>
    <!-- PROCESS -->
    <Process resultCode="S1059" dateTimeStamp="{xs.dateTime}">
      <RecordCount>
        <Success>1</Success>
        <Failure>2</Failure>
        <Total>3</Total>
      </RecordCount>
      <Record userID="user" requestID="00001">
        <UserDefinedA>UserDefinedA</UserDefinedA>
        <UserDefinedB>UserDefinedB</UserDefinedB>
        <ProcessDate>{xs.dateTime}</ProcessDate>
        <Result status="false">
          <Error>
            <ErrorCode>S1059</ErrorCode>
            <ErrorMessage>Student terminated for failure to maintain status requires remarks</ErrorMessage>
          </Error>
        </Result>
      </Record>
      <Record sevisID="N0000000001" userID="user" requestID="00002">
        <UserDefinedA>UserDefinedA</UserDefinedA>
        <ProcessDate>{xs.dateTime}</ProcessDate>
        <Result status="true" />
        <Dependent dependentSevisID="N0000000002">
          <UserDefinedA>UserDefinedA</UserDefinedA>
          <UserDefinedB>UserDefinedB</UserDefinedB>
        </Dependent>
      </Record>
      <Record userID="user" requestID="00003">
        <UserDefinedA>UserDefinedA</UserDefinedA>
        <UserDefinedB>UserDefinedB</UserDefinedB>
        <ProcessDate>{xs.dateTime}</ProcessDate>
      </Record>
    </Process>
  </BatchDetail>
</TransactionLog>
```

```
<Result status="false">
  <Error>
    <ErrorCode>S1059</ErrorCode>
    <ErrorMessage>Student terminated for failure to maintain status requires remarks</ErrorMessage>
  </Error>
</Result>
</Record>
</Process>
<!-- DOWNLOAD -->
<Download resultCode="S0000" dateTimeStamp="{xs.dateTime}"/>
</BatchDetail>
</TransactionLog>
```