Application Program Interface Document for the Student and Exchange Visitor Information System Batch Interface Release 6.0

HSHQDC-06-D-00032: EAGLE Contract
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Homeland Security

REVISION HISTORY

Version	Date	Name of Author	Summary of Changes
6.0 Update	10/01/08	Eileen Schittino	Page 7 - Sizing estimates for SEVIS PDF documents and the compressed documents were updated.
6.0 Update	10/01/08	Eileen Schittino	Added the following events to Exhibit 5: SEVIS Batch – RTI Event Matrix for Students and Dependents: • OPTEmployment – Edit • OPTEmployment – Extend • OPTEmployment - ReportParticipation • Request – Cap Gap Extension
6.0 Update	10/01/08	Eileen Schittino	Updated Section 2.1.5.1, SEVIS Batch Alpha Testing with specifics regarding alpha environment.
6.0 Update	10/01/08	Eileen Schittino	Updated Section 2.1.5.2.1 SEVIS Batch Alpha/Beta Testing Procedures for F/M Functionality and Section 2.1.5.2.2 SEVIS Batch Alpha/Beta Testing Procedures for J Functionality with the alpha testing website.
6.0 Update	10/01/08	Eileen Schittino	Updated Exhibit 7: Special Characters Not Allowed in XML.
6.0 Update	10/01/08	Eileen Schittino	Updated Exhibit 8: SEVIS Student and Dependent Lookup Tables with the following table references: • Cap-Gap Extension Type Codes • OPT Employment Completion Type Codes
6.0 Update	10/01/08	Eileen Schittino	Updated APPENDIX A – ACRONYMS.
6.0 Update	10/01/08	Eileen Schittino	**APPENDIX B** Removed F/M Eligibility Processing Error Code – S1005, S1007, S1008, S1012, S1013, S1015, S1017, S1018, S1019, S1021, S1022, S1023, S1028, S1030, S1040, S1045, S1052, and S1065, as they are no longer being used.
6.0 Update	10/01/08	Eileen Schittino	**APPENDIX B** Modified F/M Eligibility Processing Error Code – S1032 - Current session end date must be equal to or after today's date
6.0 Update	10/01/08	Eileen Schittino	**APPENDIX B** Added the following F/M Eligibility Processing Error

Version	Date	Name of Author	Summary of Changes
			Codes: • S1122 - [field] may not be updated • S1123 - Update not permitted after employment end date (per SCR 8202) • S1124 - OPT extension requests are authorized for approved, post-completion OPT only (per SCR 12280) • S1126 - OPT extension already exists (per SCR 12280) • S1127 - [field] is required for this visa type (per SCR 12736) • S1128 - OPT end date must be less than or equal to the program end date (per SCR 8202) • S1129 - OPT start date must be equal to or greater than the program end date (per SCR 8202) • S1130 - OPT extension request status must be approved to perform this update (per SCR 12280) • S1131 - OPT six month reporting is not authorized at this time (per SCR 12726) • S1132 - Program end date must be less than or equal to current date (per SCR 12250) • S1133 - Student has a pending or approved COS from F-1 to H1-B (per SCR 12250) • S1134 - CapGapExtension of status [C, F, or T] has already been requested (per SCR 12250) • S1135 - CapGapExtension request not found
6.0 Update	10/01/08	Eileen Schittino	**APPENDIX B** Removed J Eligibility Processing Error Code – S2005, S2014, S2015, S2019, S2125, S2126, S2156, S2158, and S2159, as they are no longer being used.
6.0 Update	10/01/08	Eileen Schittino	**APPENDIX B** Added the following J Eligibility Processing Error Codes: • S2237 - [field] is required if the category is Student Intern (per SCR 10807) • S2238 - [field] must be blank when the category is not Student Intern (per SCR 10807)
6.0 Update	10/01/08	Eileen Schittino	**APPENDIX C**

Version	Date	Name of Author	Summary of Changes
			Updated CREATE-UPDATE STUDENT AND DEPENDENT DATA ELEMENTS to include elements for the following new events: • OPTEdit (per SCR 8202) • OPTExtend (per SCR 12280) • OPTReportParticipation (per SCR 12726) • RequestCapGapExtention (per SCR 12850)
6.0 Update	10/01/08	Eileen Schittino	**APPENDIX C** Updated CREATE-UPDATE STUDENT AND DEPENDENT DATA ELEMENTS to include the following changes: • Add student remarks to all OPT events (per SCR 12982). • Modify the data length of comment fields, not including student remarks, for OPT, CPT, and OCE events to 250 (per SCR 12963) • Modify all remarks elements for OPT, CPT, and OCE events to be optional not required (per SCR 12963).
6.0 Update	10/01/08	Eileen Schittino	**APPENDIX D** Updated CREATE-UPDATE EXCHANGE VISITOR AND DEPENDENT DATA ELEMENTS to include the following changes: • Require ForeignDegreeLevel if the Category selected for an EV is Student Intern (per SCR 10807). • Require ForeignFieldOfStudy if the Category selected for an EV is Student Intern (per SCR 10807).
6.0 Update	10/01/08	Eileen Schittino	**APPENDIX F** Updated SEVIS LookUp Tables to include the following: • Cap-Gap Extension Code Types (per SCR 12850) • OPT Employment Completion Type Codes (per SCR 12736)
6.0 Update	10/01/08	Eileen Schittino	**ATTACHMENT A**

Version	Date	Name of Author	Summary of Changes
			Added the modified 6.0 CREATE-UPDATESTUDENT.XSD
6.0 Update	10/01/08	Eileen Schittino	**ATTACHMENT B** Added the modified 6.0 CREATE-UPDATE EXCHANGEVISITOR.XSD.
6.0 Update	10/01/08	Eileen Schittino	**ATTACHMENT C** Added the modified 6.0 COMMON.XSD.
6.0 Update	10/01/08	Eileen Schittino	**ATTACHMENT D** Added the modified 6.0 SEVISTABLE.XSD.
5.10 Update	06/16/08	Eileen Schittino	**APPENDIX B** • Added F/M Eligibility Processing Error Code – S1121- OPT start date may not be greater than 61 days beyond the program end date (per SCR 12695) • Removed F/M Eligibility Processing Error Code – S1117 (per SCR 11819) • Modified F/M Eligibility Processing Error Code – S1038 - OPT request must be made within 60 days after the program end date (per SCR 12695)
5.10 Update	06/16/08	Eileen Schittino	**APPENDIX F** • Added Student Reprint Reason Code – 50 – Updated (per SCR 12694) • Updated Birth Country Codes and Citizenship / Residence Country Codes table by adding TB for SAINT BARTHELEMY and RN for SAINT MARTIN and changing the country name of TT from East Timor to Timor-Leste (per SCR 12294)
5.10 Update	06/16/08	Eileen Schittino	**ATTACHMENT D** • Added the modified Release 5.10 SEVISTABLE.xsd

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1. INTRODUCTION

This Application Program Interface (API) document specifies the Student and Exchange Visitor Information System (SEVIS) Batch interface between 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 and Abbreviations, 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 United States

1.2 Background

On September 30, 1996, the president signed the Illegal Immigration Reform and Immigrant Responsibility Act (IIRIRA) into law. IIRIRA mandates the development of a system that electronically collects accurate, timely, and reliable information from approved institutions of higher education and designated exchange visitor programs in the United States regarding those nonimmigrants possessing F, M, and J class visas. SEVIS satisfies the requirements of Section 641, Subtitle D (Other Provisions), of Title VI of the Code of Federal Regulations (CFR).

2. SYSTEM 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 SEVIS 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 SEVIS 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 Extensible Markup Language (XML) document that conforms to the appropriate SEVIS XML schema. This XML document will be transmitted to SEVIS using the Batch interface.

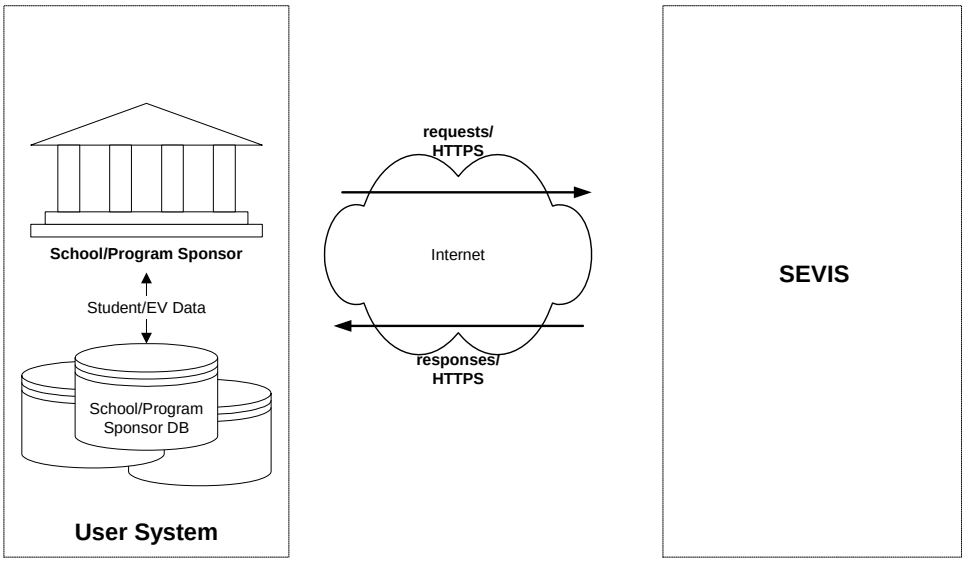
SEVIS will validate the uploaded XML document, process the records in the document, and create a compressed document for later retrieval by the user systems. The compressed document will include the following:

- An XML transaction log which will:
  - Include the unique record identifier provided by the school or program sponsor and the status (success 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 SEVIS Batch process
  - Include error codes for any records not successfully processed. See Appendix B, SEVIS Batch Process: Disposition and Validation Failure Codes, for error codes generated during the Batch process.
- Portable Document Format (PDF) documents containing I-20 or DS-2019 forms, if requested.

Schools and program sponsors may use the SEVIS 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. Eastern Time). SEVIS Batch data documents will be processed each day beginning at 10:00 p.m. Eastern Time. The results of processing documents received by 10:00 p.m. Eastern Time 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:

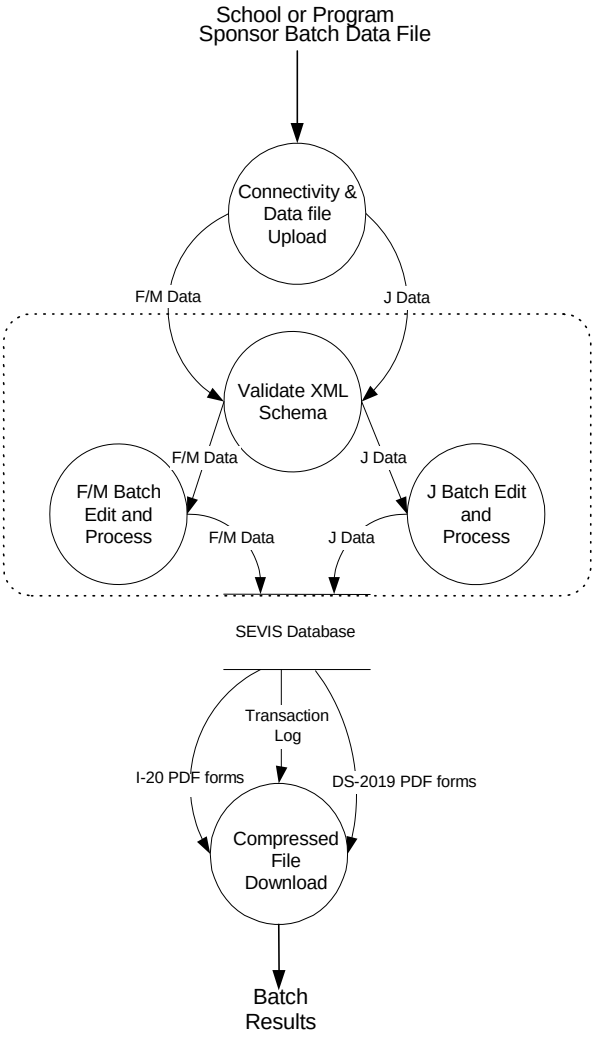
- Laser-quality printer (minimum resolution of 600x600 dpi) (required for successful printing of PDF forms)
- Class 1 Digital certificate by a recognize certificate authority, example VeriSign, Inc.
- School or program sponsor's own hardware and software
- Internet access

The DHS SEVIS Web site will contain information necessary to use the Batch interface, including the current versions of the SEVIS Lookup (Codes) Tables (Appendix F), the SEVIS XML schemas (Appendices C, D, and E), and user support documentation relating to the SEVIS Batch interface.

2.1.1 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 SEVIS 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 document, it will validate that the Batch document is well-formed XML. In addition to XML being well-formed, SEVIS will process only those documents which successfully validate against the SEVIS XML schema. Batch documents that do not

conform to the SEVIS XML schema will be rejected. The SEVIS XML schemas used to validate the Batch documents are available from the DHS SEVIS web site.

3. SEVIS will process all valid XML documents 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 SEVIS Batch record processed, a record is written to the XML transaction log.
5. SEVIS will create a PDF document for each record that results in the creation of a form, either the I-20 or DS-2019. Each of these forms will be provided as a PDF within the downloaded document.
6. The PDF documents and XML transaction log will be compressed into a single zip document. User systems must download this compressed document.
7. When ready to download the SEVIS Batch process results, the user system sends a request to download the compressed document. Each compressed document is available for download for a period of seven days from the time it is processed. The system automatically deletes documents 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 document is downloaded, the schools or program sponsors can unzip the compressed document and use their own systems to process the transaction log and print the enclosed forms.

2.1.2 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 Hypertext Transfer Protocol (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 SEVIS Batch data document. Once SEVIS verifies the identity of the institution, it then processes the data forwarded by the institution. Results of the SEVIS Batch process will be communicated back to the user system via an XML-based transaction log. This response contains the result of the upload validation, including data content, data format, and data semantics. Through the result code, the generated transaction log aids the school or program sponsor in identifying errors in the upload request. Corrected XML may then be resubmitted to SEVIS.

SEVIS generates a compressed document for each Batch XML document accepted. The compressed document is referenced by the SEVIS Batch identifier supplied with the uploaded XML document. The school or program sponsor retrieves this compressed document which includes the transaction log and any generated I-20 or DS-2019 PDF documents.

Exhibit 3: SEVIS Batch Data Transfer Process

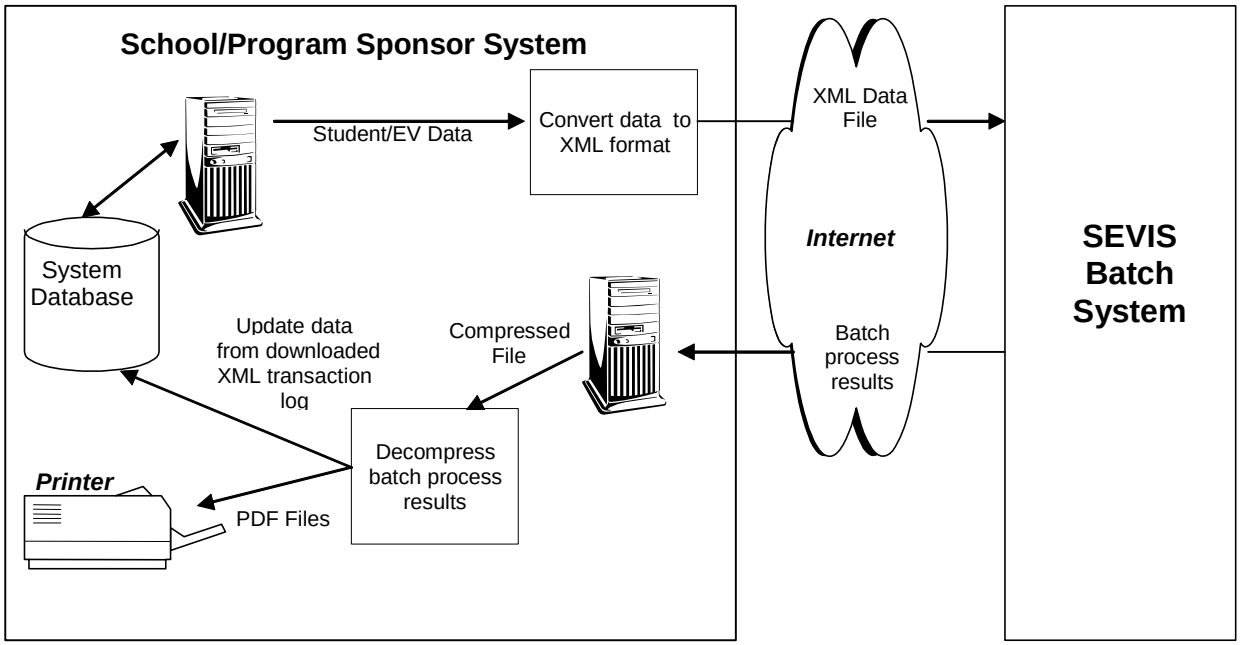


Exhibit 4, SEVIS Batch Interface Data Transfers, summarize the types of data documents, their format, and data transfer method.

Exhibit 4: SEVIS Batch Interface Data Transfers

Data Document Types	Uploaded to SEVIS	Downloaded from SEVIS	Format
SEVIS Batch Data Document (containing create and update requests for students, exchange visitors, and dependents)	Yes	No	XML
Transaction Log	No	Yes	XML
I-20 or DS-2019 Form	No	Yes	PDF

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

Single PDF Size

Average size of one I-20 PDF = 540 KB

Average size of one DS-2019 PDF = 101 KB

Estimated I-20 Size – Multiple Records - Unzipped

Estimated size of 100 I-20 PDF documents = 52 MB

Estimated size of 250 I-20 PDF documents = 132 MB

Estimated I-20 Size – Multiple Records - Zipped

Estimated size of zip document containing 100 I-20s = 42 MB

Estimated size of zip document containing 250 I-20s = 106 MB

Estimated DS-2019 Size – Multiple Records – Unzipped

Estimated size of 100 DS-2019 PDF documents = 10 MB

Estimated size of 250 DS-2019 PDF documents = 26 MB

Estimated DS-2019 Size – Multiple Records – Zipped

Estimated size of zip document containing 100 DS-2019s = 8 MB

Estimated size of zip document containing 250 DS-2019s = 19 MB

Estimated Transaction Log Size

The transaction log will be minimal in size.

2.1.3 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 SEVIS Batch processing results

2.1.3.1 Create-Update Student and Dependent Data

Schools must correctly create their XML documents for Batch processing based on the SEVIS XML schemas. Schools must use the Create-Update Student and Dependent Schema to create the document to be uploaded. This schema specifies the header information and record formats, and includes a print request indicator for the appropriate create and update transactions. However, not all SEVIS Batch requests allow a print request. For instance, when terminating a dependent, the school may not request the generation of a Form 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. The I-20 Print Request Available column in the table identifies the events for which a school may request an I-20 PDF document for printing purposes. The adjudication event column in the table identifies the events for which adjudication is required by DHS.

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
CPTEmployment – Edit *	ACTIVE	Yes	No	N/A	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 (Dependent Status: INITIAL)	Yes	Yes	No	No
Dependent – Edit	INITIAL ACTIVE (Dependent Status: INITIAL, ACTIVE)	Yes	Yes	Yes	No
Dependent – Reactivate	INITIAL ACTIVE (Dependent Status: TERMINATED)	Yes	No***	Yes	No
Dependent – Reprint	INITIAL ACTIVE (Dependent Status: INITIAL, ACTIVE)	Yes (Print)	Yes	Yes	No
Dependent – Terminate	INITIAL ACTIVE (Dependent Status: INITIAL, ACTIVE)	Yes	Yes	No	No
DisciplinaryAction	ACTIVE	Yes	Yes	No	No
EducationLevel – Cancel	ACTIVE	Yes	Yes	No	No

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		
EducationLevel – Change*	ACTIVE	Yes	Yes	Yes	No
Financial Info	INITIAL ACTIVE	Yes	Yes	Yes	No
OffCampusEmployment – Add *	ACTIVE	Yes	Yes	Yes	Yes
OffCampusEmployment – Cancel *	ACTIVE	Yes	Yes	Yes	No
OffCampusEmployment – Edit *	ACTIVE	Yes	Yes	Yes	Yes
OPTEmployment – Add	ACTIVE	Yes	Yes	Yes	Yes
OPTEmployment – Cancel	ACTIVE	Yes	Yes	Yes	No
OPTEmployment – Edit	ACTIVE	Yes	Yes	Yes	No
OPTEmployment – Extend*	ACTIVE	Yes	Yes	Yes	No
OPTEmployment - ReportParticipation*	ACTIVE	Yes	Yes	Yes	No
Personal Info	INITIAL ACTIVE	Yes	Yes	Yes	No
Program – Cancel Extension	ACTIVE	Yes (M-1) No (F-1)	Yes (M-1) No (F-1)	Yes	No
Program – Defer Attendance	INITIAL	Yes	Yes	Yes	No
Program – Edit	INITIAL ACTIVE	Yes	Yes	Yes	No
Program – Extension	ACTIVE	Yes	Yes	Yes	Yes (M-1) No (F-1)
Program – Shorten	ACTIVE	Yes	Yes	Yes	No
Registration	INITIAL ACTIVE	Yes	Yes	Yes	No
Reinstatement - Request	COMPLETED TERMINATED	Yes	No	N/A	Yes
Reinstatement – Cancel	N/A	Yes	No	N/A	Yes
Reprint	INITIAL ACTIVE	Yes	Yes	Yes	No
Request – Cap Gap Extension*	ACTIVE	Yes	Yes	Yes	No
Status – Cancel **	INITIAL	Yes	Yes	No	No
Status – Complete	ACTIVE	Yes	Yes	No	No

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		
Status – Terminate	INITIAL ACTIVE	Yes	Yes	No	No
Status – Verify	ACTIVE	Yes	Yes	No	No
Transfer	ACTIVE COMPLETED TERMINATED	Yes	No	N/A	Yes (M-1) No (F-1)
Transfer – Cancel	ACTIVE COMPLETED TERMINATED	Yes	No	N/A	Yes (M-1) No (F-1)

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

** Status – Cancel Event cannot be performed on Initial status records created through the Transfer-in or Change Education Level functions.

*** Reactivate a Student Dependent can only be done when the principal is in ACTIVE status in Batch.

2.1.3.2 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 the 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 SEVIS 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 document for printing on the user system. The adjudication event column in the table identifies the events for which adjudication is required by DoS.

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

Exchange Visitor Event (J-1 and J-2)	Available for Exchange Visitors in Record Status	Available Through:		DS-2019 Print Request Available	Adjudicated Event
		RTI	Batch		
Biographical	INITIAL ACTIVE	Yes	Yes	Yes	No
Change of Category Request	ACTIVE	Yes	No	N/A	Yes
Change of Category – Cancel	ACTIVE	Yes	No	N/A	No
Create Dependent	N/A	Yes	Yes	Yes	No

Exchange Visitor Event (J-1 and J-2)	Available for Exchange Visitors in Record Status	Available Through:		DS-2019 Print Request Available	Adjudicated Event
		RTI	Batch		
Create Exchange Visitor	N/A	Yes	Yes	Yes	No
Dependent – Add	INITIAL ACTIVE	Yes	Yes	Yes	No
Dependent – Delete	INITIAL (Dependent Status: INITIAL)	Yes	Yes	No	No
Dependent – Edit	INITIAL ACTIVE (Dependent Status: INITIAL, ACTIVE)	Yes	Yes	Yes	No
Dependent – EndStatus	ACTIVE (Dependent Status: ACTIVE)	Yes	Yes	No	No
Dependent – Invalid	INITIAL (Dependent Status: INITIAL)	Yes	No	N/A	No
Dependent – No Show	INITIAL (Dependent Status: INITIAL)	Yes	No	N/A	No
Dependent – Reprint	INITIAL ACTIVE (Dependent Status: INITIAL, ACTIVE)	Yes	Yes*	Yes	No
Dependent – Terminate	ACTIVE (Dependent Status: ACTIVE, INACTIVE)	Yes	Yes	No	No
Extend Beyond Maximum Duration of Participation	ACTIVE	Yes	No	N/A	Yes
Extend Beyond Maximum Duration of Participation – Cancel	ACTIVE	Yes	No	N/A	No
Financial Info	INITIAL ACTIVE	Yes	Yes	Yes	No
Program – Amend	INITIAL	Yes	Yes	Yes	No
Program – EditSubject	INITIAL ACTIVE	Yes	Yes	Yes	No
Program – Extension	ACTIVE	Yes	Yes	Yes	No
Program – Matriculate	ACTIVE	Yes	Yes	Yes	No
Program – Shorten	ACTIVE	Yes	Yes	Yes	No
Reinstatement Request	INACTIVE	Yes	No	N/A	Yes
Reinstatement – Cancel	INACTIVE	Yes	No	N/A	No

Exchange Visitor Event (J-1 and J-2)	Available for Exchange Visitors in Record Status	Available Through:		DS-2019 Print Request Available	Adjudicated Event
		RTI	Batch		
Reprint	INITIAL ACTIVE**	Yes	Yes*	Yes	No
SiteOfActivity – Add	INITIAL ACTIVE	Yes	Yes	Yes	No
SiteOfActivity – Delete	INITIAL	Yes	Yes	No	No
SiteOfActivity – Edit	INITIAL ACTIVE	Yes	Yes	Yes	No
Status – CorrectInfraction	INACTIVE ACTIVE	Yes	Yes	Yes	No
Status – End	ACTIVE	Yes	Yes	No	No
Status – Invalid	INITIAL	Yes	Yes	No	No
Status – NoShow	INITIAL	Yes	Yes	No	No
Status – Terminate	INACTIVE ACTIVE	Yes	Yes	No	No
Transfer	ACTIVE	Yes	No	N/A	No
Transfer – Cancel	ACTIVE	Yes	No	N/A	No
Validate	INITIAL	Yes	Yes	No	No

*Available for Active status only
**Status must be Active to reprint using Batch

2.1.3.3 Download SEVIS Batch Process Result

The Download SEVIS Batch Process Result transaction allows programs and schools to retrieve a compressed document containing the transaction log (required) and generated PDF documents (optional).

The SEVIS transaction log contained within the compressed document is named `sevis_transaction_log.xml`. Appendix E, SEVIS Transaction Log Data Elements, contains the data descriptions and types for the transaction log.

At the user's option, SEVIS generates the I-20 PDF form for each create or update student or dependent record successfully processed and the DS-2019 PDF form for each create or update exchange visitor or dependent record successfully processed.

2.1.4 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 Socket 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 registered to use Batch. Third parties are not authorized to send data to the SEVIS system.

Schools, campuses, and programs must register for the Batch process through SEVIS RTI before attempting to use the SEVIS Batch interface. In addition, the school/program president or official designee for all organizations that plan to use the SEVIS Batch interface must sign the Customer Agreement For Using The SEVIS Batch-File Transfer Process. The Customer Agreement form is available from the DHS SEVIS web site.

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 and SEVIS User ID presented have been registered by the school, campus, or program sponsor
- Encryption of all information communicated during the session

2.1.5 SEVIS Batch Testing

Organizations that wish to use the SEVIS Batch Interface process to create and update student or exchange visitor records must perform testing of their applications before using these applications to upload data documents to the SEVIS production environment. Two environments have been created so that organizations may validate the functionality of their applications.

2.1.5.1 SEVIS Batch Alpha Testing

The SEVIS Batch Alpha Test environment was established to provide an environment for schools and programs to validate their Batch applications against planned SEVIS upgrades. Prior to upgrades being implemented into the SEVIS production environment, an alpha test period *may* be scheduled depending on the scope of the release.

The link provided below is the Uniform Resource Locator (URL) for the SEVIS RTI application that will be used for SEVIS Batch Alpha Testing:

https://alpha.ice.gov/sevisbatch

2.1.5.2 SEVIS Batch Beta Testing

The SEVIS Batch Beta Test environment was established to provide schools and programs with an environment that mirrors the SEVIS Production environment. Organizations will use a test school or program that matches their approved Production school or program to validate that their Batch application functions correctly with the SEVIS Production application. The link provided below is the URL for the SEVIS RTI application that will be used for SEVIS Batch Beta Testing:

https://egov.ice.gov/sbtsevisbatch

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

2.1.5.2.1 SEVIS BATCH ALPHA/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. Access the SEVIS Batch Beta Testing web site at https://egov.ice.gov/sbtsevis/batch or the SEVIS Alpha Testing web site at https://alpha.ice.gov/sevisbatch 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 Certification by the DHS to admit F and/or M Students."
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 an Form I-17, 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 I-17 as desired for the test school you wish to establish. The "User Manual for Temporary Users of the Student and Exchange Visitor Information System (How to Complete and Submit the Form I-17, Petition for Approval of School for Attendance by Non-Immigrant Students)" is available from the DHS SEVIS web site.
6. When requested to add officials, enter the information associated with those individuals who will be performing the testing for your school. The school officials assigned to the test school may be technical personnel who are not assigned as officials on your Form I-17.
7. Complete the remainder of the Form I-17 and submit the form for approval. Please ignore any instructions regarding mailing in hard copy forms or making payments.
8. Contact the SEVIS Help Desk at 1-800-892-4829 and provide the information listed below.
   Organization name
   Point of contact (POC) Name
   POC e-mail address
   Phone number
   Category of school (F only, F and M, or M only)
   Name of school as it appears on the submitted Form I-17 for the test school
9. The SEVIS Help Desk will review and approve the Form I-17.
10. Once the I-17 has been approved, the temporary user associated with the test school will receive notification from SEVIS that the test school has been approved. In addition, each assigned user will be provided with a User ID and link to the SEVIS Set Password page. All users should access SEVIS to set their password and then log into the SEVIS Batch Beta Test environment to activate their user account.
11. The individual assigned as Principal Designated School Official (PDSO) for the test school and each test campus must register for Batch processing. The procedures for registering for SEVIS Batch processing are documented in the *User Manual for School Users of the Student and*

Exchange Visitor Information System: Volume I Form I-17 that is available from the DHS SEVIS web site.

12. Once the registration process has been completed, Batch data files may be created and uploaded to the SEVIS test school.
13. SEVIS will verify the registration, the PDSO User ID, and digital certificate, and validate the upload document against the approved SEVIS XML schema. SEVIS will then apply the requested actions in the upload document 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 SEVIS Batch documents in the SEVIS Batch Beta Test environment is completed on a continuous basis throughout the day.
14. A transaction log will be created documenting the results of the schema validation and business rule processing.
15. Schools/vendors download the transaction log and review the document 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.

2.1.5.2.2 SEVIS Batch Alpha/Beta Testing Procedures for J Functionality

SEVIS 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 SEVIS Batch Beta Testing web site at https://egov.ice.gov/sbtsevisbatch or the SEVIS Alpha Testing web site at https://alpha.ice.gov/sevisbatch 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, complete the following steps:
    a. If you have already created a test school for F/M functionality testing, select Add Existing Official and enter the User ID for the PDSO of your test school. This will ensure that the Responsible Officer (RO) and PDSO use the same User ID. This is consistent with processes in the SEVIS Production environment.

b. 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 organization's program for SEVIS 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. 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
   Name of program as it appears on the submitted Form DS-3036 for the test program

8. The SEVIS Help Desk will review and approve the Form DS-3036.

9. Once the DS-3036 has been approved, the individual who submitted the application will receive notification from SEVIS that the program has been approved. In addition, each assigned user will be provided with a User ID and link to the SEVIS Set Password page. All users should access SEVIS to set their password and then log into the SEVIS Batch Beta Test environment to establish their user account.

10. The RO or Alternate Responsible Officer (ARO) users who will authorize Batch upload documents for the test program must register for Batch processing. The procedures for registering for SEVIS Batch processing are documented in the *User Manual for Exchange Visitor Program Sponsor Users (RO/ARO) of SEVIS: Volume I Forms DS-3036 and DS-3037* that is available from the DoS Web site at http://exchanges.state.gov/education/jexchanges/about/sevis.htm.

11. Once the registration process has been completed, Batch data files may be created and uploaded to the SEVIS test program.

12. SEVIS will verify the registration, the RO/ARO User ID, and digital certificate, and validate the upload document against the approved SEVIS XML schema. SEVIS will then apply the requested actions in the upload document 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 SEVIS Batch documents in the SEVIS Batch Beta Test environment is completed on a continuous basis throughout the day.

13. A transaction log will be created documenting the results of the schema validation and business rules processing

14. Programs/vendors download the transaction log and review the document 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 DoS web site.

2.1.5.3 Support for SEVIS Batch Alpha and Beta Testing

The SEVIS Help Desk is available to provide limited support for Alpha and Beta Testing. While several of the SEVIS Help Desk personnel are former XML developers, they cannot assist with actual development or troubleshooting of your SEVIS Batch interface software. The SEVIS Help Desk can provide the latest versions of the XML schemas as well as sample upload documents for use in troubleshooting your application. The SEVIS Help Desk may be contacted at 1-800-892-4829.

3. DETAILED INTERFACE SPECIFICATIONS

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

- UTF-8—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 documents 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 Document 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 document containing student information uploaded to SEVIS.
- Create-UpdateExchangeVisitor.xsd – Defines the required format of the data document containing exchange visitor information uploaded to SEVIS.

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

- SEVISTransLog.xsd – Defines the format of the transaction log document that is downloaded from SEVIS.

SEVIS will also use the following XML schemas:

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

The validation for the Create-UpdateStudent.xsd and Create-UpdateExchangeVisitor.xsd permits the use of empty tags to delete data no longer required. Empty tags using both formats will be permitted, i.e., <\MiddleName> or <MiddleName></MiddleName>. Blank tags will be permitted only for those elements that are optional for the particular transaction being performed. This feature should be used to remove data previously entered that is no longer required.

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 <
&	& or &
«	"
>	>
‘	'

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

3.1.1 Create-Update Student Document 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, language, and/or vocational students (visa classes F and/or 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 the SEVIS User ID of the 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 document must have the SEVIS User ID of the PDSO or Designated School Officials (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 Document Specifications

The Create-Update Exchange Visitor 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 document 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 the SEVIS User ID of the RO or 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 Exchange Visitor 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 Document Specifications

The SEVIS Transaction Log (SEVISTransLog.xsd) is used by SEVIS to report progress and status of the SEVIS Batch submittal to schools and programs. Refer to section 3.2, SEVIS Batch Interface Communication Methods, for a description on how to retrieve the compressed document containing the transaction log. The information provided should be used to update school or program systems with newly generated SEVIS IDs.

When a SEVIS Batch request has been processed, the SEVIS Batch process result document (in compressed format) may be downloaded. This SEVIS Batch process result document contains the complete transaction log. The name of the transaction log document within the SEVIS Batch process result compressed document is: sevis_transaction_log.xml.

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 SEVIS Batch detail portion of the transaction log is divided into three sections: Upload, Process, and Download. Each section is described below. For further information, see Appendix E, SEVIS Transaction Log Data Elements.

Upload

- Disposition of upload – disposition and validation failure codes (also known as upload resultCode) are documented in Appendix B, SEVIS Batch Process: Disposition and Validation Failure Codes
- Upload date and time
- Name of document uploaded

Process

- Disposition of process (resultCode)
- Process date and 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/exchange visitor)
  - SEVIS User ID included in request
  - Date and 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 – disposition and validation failure codes (also known as upload resultCode) are documented in Appendix B, SEVIS Batch Process: Disposition and Validation Failure Codes.

3.1.4 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 (from SEVISTable.xsd)	Description
Cap-Gap Extension Type Codes	CapGapExtensionType	Type of Cap-Gap Extension (e.g., Filed, Waitlisted, Cancelled)
Dependent Cancellation Reason Codes	DependentCancelReasonType	Reasons for canceling a dependent (F-2, M-2)
Dependent Termination Codes	DependentTerminationReasonType	Reasons for terminating a dependent's status (F-2, M-2)
Drop Below Full Course Reason Codes	DropBlwfullType	Reasons for an F-1 or M-1 student dropping below a full course of study
Education Level Codes	EduLevelCodeType	Education levels for students
Employment Time Codes	EmploymentTimeType	Types of employment (Full-Time or Part-Time)
Employment Type Codes	EmploymentCodeType	Employment types for students, e.g., OPT, CPT, Off-Campus
Off-Campus Employment Reason Codes	OffCampusEmploymentCodeType	Reasons why a student may be permitted to work off-campus
OPT Employment Completion Type Codes	OPTCompletionType	Type of OPT employment (e.g. Pre-Completion or Post-Completion) (F-1 only)
Student Cancellation Reason Codes	StudentCancelReasonType	Reasons for canceling a student.
Student Creation Reason Codes	StudentCreateReasonType	Reasons for creating a student record in SEVIS
Student Reprint Codes	StudentReprintRequestReasonType	Reasons for reprinting a student's I-20
Student Termination Reason Codes	StudentTerminationReasonType	Reasons for terminating a student

Exhibit 9: SEVIS Exchange Visitor and Dependent Lookup Tables

Table	Table Name (from SEVISTable.xsd)	Description
Category Codes	EVCategoryCodeType	Codes representing the program categories for exchange visitors

Table	Table Name (from SEVISTable.xsd)	Description
Correct Minor or Technical Infraction Codes	EVInfractionCodeType	Codes used to correct minor or technical infraction for an exchange visitor
Department of State Maximum and Minimum Duration of Stay Rules	This table is not included in SEVISTable.xsd	The list of maximum and minimum duration of stay for each category code.
Dependent End Program Codes	DependentCompletionType	Codes representing the reasons for ending a program for a dependent
Dependent Termination Codes	EVDepTerminationReasonType	Codes representing the reasons a dependent could be terminated
End Program Reason Codes	EVCompletionCodeType	Reasons for ending the program for an exchange visitor
Exchange Visitor and Dependent Age Requirements	This table is not included in SEVISTable.xsd	List of age requirements for specific category codes and dependents.
Exchange Visitor Creation Reason Codes	EVCreateReasonType	Reasons for creating an exchange visitor record in SEVIS
Exchange Visitor Reprint Codes	EVReprintRequestReasonType	Reasons for reprinting an exchange visitor's DS-2019 and dependents
Exchange Visitor Termination Reason Codes	EVTerminationReasonType	Reasons for terminating an exchange visitor's status
International Organization Codes	InternationalOrgCodeType	Codes representing international organizations that provide funding to exchange visitors
Matriculation Codes	MatriculationType	Code representing the matriculation type for the exchange visitor
Occupational Codes	EVOccupationCategoryCodeType	Code represents the occupational category for Trainee and Intern
Position Codes	EVPositionCodeType	Codes representing the position held by the exchange visitor in his/her home country
U.S. and U.S. Territories Country of Birth Reason Codes	USBornReasonType	Reasons for using U.S. or U.S. Territories for Country of Birth.

Table	Table Name (from SEVISTable.xsd)	Description
U.S. Government Agency Codes	GovAgencyCodeType	Codes representing U.S. Government agencies that provide funding to exchange visitors

Exhibit 10: SEVIS Common Lookup Tables

Table	Table Name (from SEVISTable.xsd)	Description
Birth Country Codes	BirthCntryCodeType	Country codes as defined by Federal Information Processing Standards (FIPS 10-4), National Imagery and Mapping Agency for use as Country of Birth
Citizenship / Residence Country Codes	CitizenshipCntryCodeType	Country codes as defined by Federal Information Processing Standards (FIPS 10-4), National Imagery and Mapping Agency for use as country of Citizenship and residence
Dependent Type Codes	DependentCodeType	Dependent Type (spouse or child)
Gender Codes	GenderCodeType	Codes used to represent student, exchange visitor, or dependent gender (Male, Female, or Unknown) (NOTE: Unknown is not acceptable for an exchange visitor.)
Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors	ProgSubjectCodeType	List of major/minor and subject/field codes for student and exchange visitors respectively.
Name Suffix Codes	NameSuffixCodeType	Codes used to represent the student, exchange visitor, or dependent name suffix, e.g., Jr., Sr.
Port of Entry Codes	PoeCodeType	Codes associated with the ports of entry to the United States
State Codes	StateCodeType	Two-digit codes representing the United States states
Visa Issuance Post Codes	VisaPostCodeType	Codes representing the consular office that issued the student's or exchange visitor's visa
Visa Type Codes	DependentFMVisaType or StudentVisaCodeType or EVVisaCodeType	Visa types, e.g., F-1, M-1, J-1

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 upload a class 1 SSL digital certificate via SEVIS RTI. Once the user system has uploaded their certificate in SEVIS, forwarded their Customer Agreement for use of Batch File Transfer Processing, and been approved by DHS, the Batch file transfer process between the two systems can proceed.

Section 2.1.5, SEVIS Batch Beta Testing, provides instructions for the schools and program sponsors on the registration and beta testing processes for the SEVIS Batch Interface.

Exhibit 11, Sample Commands, provides sample commands for upload to and download from SEVIS Batch.

Exhibit 11 – Sample Commands

Transaction	Command	
Upload	`cURL`	
	`-E [certificate]`	[Certificate File]:[Certificate Password]
	`-F orgid=[orgid]`	School Code or Program Number
	`-F batchid=[batchid]`	Unique Batch ID
	`-F userid=[userid]`	Authorized SEVIS user ID
	`-F xml=@[document.xml]`	XML Data Document
	`https://[url]/action/batchUpload`	SEVIS Batch Upload URL
Download	`cURL`	
	`-E [certificate]`	[Certificate File]:[Certificate Password]
	`-F orgid=[orgid]`	School Code or Program Number
	`-F batchid=[batchid]`	Unique Batch ID
	`-F userid=[userid]`	Authorized SEVIS user ID
	`https://[url]/action/batchDownload`	SEVIS Batch Download URL

SEVIS Batch Production and Testing URLs will be provided once the Customer Agreement (CA) has been received and approved. The CA can be found at the following URL: http://www.ice.gov/sevis/schools/batch.htm

SEVIS Batch Schema Locations:

Production – http://www.ice.gov/xmlschema/sevisbatch

Beta Test – http://www.ice.gov/xmlschema/sevisbatch/beta

Alpha Test – http://www.ice.gov/xmlschema/sevisbatch/alpha

APPENDIX A – ACRONYMS AND ABBREVIATIONS

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API	Application Program Interface
ARO	Alternate Responsible Officer
ASCII	American Standard Code for Information Interchange
CA	Customer Agreement
CFR	Code of Federal Regulations
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
EV	Exchange Visitor
FIPS	Federal Information Processing Standard
HTTP	Hypertext Transfer Protocol
HTTPS	Hypertext Transfer Protocol Secure
ID	Identification
MB	megabyte
OCE	Off Campus Employment
OPT	Optional Practical Training
PDF	Portable Document Format
PDSO	Principle Designated School Official
POC	Point of Contact

RO	Responsible Officer
RTI	Real-Time Interactive
SEVIS	Student and Exchange Visitor Information System
SSL	Secure Socket Layer
UCS	Universal Character Set
URL	Uniform Resource Locator
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

Note: *** Will no longer be used by SEVIS beginning with Release 5.0.

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

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 ID	Yes	No	Yes
S0004	***			
S0005	***			
S0006	***			
S0007	***			
S0008	***			
S0009	***			

Upload-Specific Disposition Codes

Code	Description
S0010	Duplicate Batch ID
S0011	Document name invalid
S0012	XML is not well-formed or does not agree with SEVIS-specific POSTing requirements
S0013	XML does not comply with SEVIS schema
S0014	***
S0015	***
S0016	***

Code	Description
S0017	***
S0018	***
S0019	***

Process-Specific Disposition Codes

Code	Description
S0020	One or more records failed processing due to business rule violations
S0021	***
S0022	***
S0023	***
S0024	***
S0025	***
S0026	***
S0027	***
S0028	***
S0029	***

Download-Specific Disposition Codes

Code	Description
S0030	Download unavailable – batch job not yet processed
S0031	Download invalid – batch job never submitted
S0032	***
S0033	***
S0034	***
S0035	***
S0036	***
S0037	***
S0038	***
S0039	***

F/M Eligibility Processing Errors

Code	Description
S1001	User ID is invalid
S1002	User is prohibited from performing this action

Code	Description
S1003	SEVIS ID not found
S1004	Student exists in the SEVIS database / This record is a duplicate of other record(s) within this XML
S1006	Spouse already exists in Inital or Active status
S1009	Program start date must be prior to program end date
S1010	Program start date must be equal to or after today's date
S1014	Dependent must be born on or after [current date – 21 years] – invalid dependent record '[last name], [first name]'
S1016	Program end date must be within twelve months of the original program end date for this visa type
S1020	OPT end date must be within fourteen months of program end date
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
S1029	CPT employment duration can not exceed one year
S1031	Invalid education level for this CPT request
S1032	Current session end date must be equal to or after today's date
S1033	Dependent visa type does not match student visa type – invalid dependent record '[last name], [first name]'
S1034	Other remarks are required when reason of 'OTHER' is selected
S1035	Invalid education level for public institution
S1036	Invalid education level for OPT request
S1037	Education secondary major and minor use is prohibited for student of this visa type
S1038	OPT request must be made no later than 60 days after the program end date
S1039	Employment start date must be prior to employment end date
S1041	Program end date must be within three years of the original program start date for this visa type
S1042	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	Employment dates must not overlap with an existing employment segment
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 not authorized to create or modify students for this visa type
S1050	Employment end date is prohibited beyond program end date
S1051	Authorization start date must be prior to current program end date
S1053	Student is not eligible for commuter status due to country of citizenship
S1054	Student status must be active for this action

Code	Description
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 cannot be ‘US’
S1059	Student terminated for ‘Otherwise Failing to Maintain Status’ requires ’Other Remarks’
S1060	Invalid termination reason for student of this visa type
S1061	Education level code of ‘other’ requires comments
S1062	Invalid education code for student of this visa type
S1063	U.S. address is required
S1066	Authorized drop below start date must be prior to end date
S1067	Birth date cannot be in the future
S1068	Next session start date is required when last session is false. Next session start date should not be indicated when last session is true.
S1069	No matching request found
S1070	No matching authorized drop below request has been found
S1071	Duplicate request found for student
S1072	Authorized drop below segments cannot overlap another segment
S1073	Authorization end date cannot be more than twelve months from the authorization start date for this visa type
S1074	Authorization end date cannot be more than five months from the authorization start date for this visa type
S1075	Authorization start date must be on or after current program start date
S1076	Authorization end date must be on or prior to current program end date
S1077	Authorization end date must be equal to or after today’s date
S1078	Start date cannot be updated after authorization start date has passed
S1079	Authorized drop below request cannot be updated after authorization end date has passed
S1080	Authorized drop below request cannot be cancelled after the authorization start date has passed
S1081	Must provide at least one of the following fields to edit an authorize drop below segment: new authorization start date, new authorization end date, new authorization reason
S1082	Student has more than one record in Initial or Active status
S1083	Student already has an outstanding Change Education Request pending
S1085	Current session end date is not in the valid date range
S1086	Next session date is not within the valid date range
S1087	Invalid reason for authorizing student to drop below full course of study due to country of citizenship
S1089	New program end date may not be after current program end date
S1090	Transfer-in student cannot be cancelled
S1091	Cannot cancel student with change level of education
S1092	Cannot cancel student that has already arrived in U.S.

Code	Description
S1093	Dependent status must be initial for this action
S1094	Cannot cancel dependent that has already arrived in U.S.
S1095	Employment event cannot be cancelled after employment start date
S1096	Current program end date must be equal to or after today's date
S1097	Cannot update education level, major, or minor for M-1 student
S1098	Cannot request change education level because the student has an existing transfer request
S1100	New program end date must be after current program end date
S1101	Student does not have a change education level request
S1102	Student record at previous education level must be terminated or completed
S1103	Next session start date must be on or after the current session end date
S1104	Other remarks cannot be entered unless termination reason is 'Otherwise Failing to Maintain Status'
S1105	No more than one spouse can be created for a principal student
S1106	Student status must be initial or active for this event
S1107	Dependent status must be initial or active for this event
S1108	Dependent expense is required
S1109	Event cannot be performed when school is in Withdrawn status
S1110	Student already has a pending extension request
S1111	Remarks are required when [expense/funding type] amount has been entered
S1112	[expense/funding type] amount is required when remarks have been entered
S1113	Dependent SEVIS ID not found
S1114	Next session start date must be on or after today's date
S1115	Current session end date must be on or after the program start date
S1116	Current session end date must be on or before the program end date
S1118	Transger-in student cannot defer attendance
S1119	Cannot defer attendance for student with change level of education
S1120	Cannot defer attendance for student who has already arrived in U.S.
S1121	OPT start date may not be greater than 61 days beyond the program end date
S1122	[field] may not be updated
S1123	Update not permitted after employment end date
S1124	OPT extension requests are authorized for approved, post-completion OPT only
S1126	OPT extension already exists
S1127	[field] is required for this visa type
S1128	OPT end date must be less than or equal to the program end date
S1129	OPT start date must be equal to or greater than the program end date
S1130	OPT extension request status must be approved to perform this update
S1131	OPT six month reporting is not authorized at this time

Code	Description
S1132	Program end date must be less than or equal to current date
S1133	Student has a pending or approved COS from F-1 to H1-B
S1134	CapGapExtension of status [C, F, or T] has already been requested
S1135	CapGapExtension request not found

J Eligibility Processing Error Codes

Code	Description
S2001	SEVIS ID not found
S2003	[invalid element] contains invalid data
S2004	Program start date cannot be after program end date
S2011	[program date] is an invalid past date
S2021	Program form allotment exceeded
S2101	Country or subject is in DHS watch list
S2102	U.S. and U.S. Territories for country of birth require a birth country reason
S2103	When country of birth is not U.S. or U.S. Territories, then birth country reason cannot have a value
S2104	When country of birth is not U.S. or U.S. Territories, then an empty birth country reason tag must be included
S2111	Exchange visitor's age is under 18 years on [program begin date]
S2112	Exchange visitor's age is over 26 years on [program begin date]
S2113	Exchange visitor's age is under 15 years on [program begin date]
S2114	Exchange visitor's age is over 18.5 years on [program begin date]
S2115	Exchange visitor's minimum duration must be at least [minimum duration]
S2116	Exchange visitor's maximum duration must not exceed [maximum duration]
S2119	Spouse already exists
S2121	Dependent must be born on or after [current date – 21 years] – invalid dependent record '[last name], [first name]'
S2122	Change of category is invalid
S2123	Cannot update exchange visitor when Change of Status is pending
S2124	Cannot update exchange visitor when status type is [invalid status type]
S2127	Minor or technical infraction requires remarks
S2128	Exchange visitor must be updated within 120 days of program end date
S2129	Site of activity not found
S2130	Other remarks are required when reason of 'OTHER' is selected
S2133	Birthdate cannot be in the future
S2141	Exchange visitor exists in the SEVIS database
S2151	[fund element] cannot be less than 1.00

Code	Description
S2152	Total funding cannot be less than 1.00
S2154	User ID is invalid
S2155	User is prohibited from performing this action
S2157	Program must be active
S2163	Category code [invalid category code] is not valid for this program
S2201	Primary site of activity cannot be changed to non-primary site of activity
S2202	Site of activity already exists
S2203	Primary site of activity cannot be deleted
S2204	Cannot update exchange visitor who has been issued a visa with status type initial
S2222	Other remarks are required when termination reason of ‘OTHER’ is selected
S2223	Organization name is required when type is ‘OTHER’
S2224	Organization name must be excluded when type is not ‘OTHER’
S2225	Organization name must be empty when type is not ‘OTHER’
S2226	Name and amount are required for ‘OTHER’ funding
S2227	Amount must be specified when organization has been entered
S2228	Organization must be specified when amount has been entered
S2229	Matriculation program end date must be after the current program end date
S2230	Cannot update dependent when status type is [status]
S2231	Cannot update exchange visitor’s dependent who has been issued a visa with status type initial
S2232	Dependent SEVIS ID not found
S2233	New program end date is prohibited prior to current program start date
S2234	New program end date may not be after current program end date
S2235	Occupation category code [category code] is not valid for this program
S2236	New program end date for extension must be later than current program end date
S2237	[field] is required if the category is Student Intern
S2238	[field] must be blank when the category is not Student Intern

APPENDIX C – CREATE-UPDATE STUDENT AND DEPENDENT DATA ELEMENTS

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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 document, 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 SEVIS Batch document.
BatchHeader	R	Structure		Header	Structure used to provide the header elements identifying the SEVIS Batch upload.
BatchID	R	String	14	SEVIS Batch document identifier	Unique identifier assigned by the school for the SEVIS Batch upload document. Must be unique to the school for each data document 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. 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 document.

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 document. Identifier must be unique within the upload document.
(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 document, if print request indicator is TRUE.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
UserDefinedA	O	String	10	User defined field A. (Format: Alphanumeric, variable length)	A text field for recording any code used by the school to identify the student, e.g., ID number or document number.
UserDefinedB	O	String	14	User defined field B (Format: Alphanumeric, variable length)	A second field for recording any code used by the school to identify the student.
PersonalInfo	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	Family name of student. If student has only one name, the name must be 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 (Value: 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.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	**Required/ Optional**	**Data Field Type**	**Data Length**	**Data Definition**	**Business Rules**
Gender	R*	String	1	Gender (Value: 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	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 Birth 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 Citizenship 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 (Value: 01 = F-1; 02 = M-1)	Visa classification assigned to student. Code associated with the visa type must be provided. (See table entitled Visa Type Codes)
IssueReason	R*	String		Initial student (Value: I = Initial Attendance S = Change of Status)	Field indicating that student is an Initial student at your school or record is being created in support of a change of status petition. (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.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	**Required/ Optional**	**Data Field Type**	**Data Length**	**Data Definition**	**Business Rules**
AdmissionNumber	O	String	11	Admission number (Format: Numeric only, e.g., 12345678901)	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 and all elements within the structure are optional.
Number	O	String	30	Driver's license number	Student's U.S. driver's license number.
State	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.
USAddress	O	Structure		U.S. address	Address where student will reside while in the U.S. When U.S. address structure is used, the elements within this structure marked "R*" must be provided.
Address1	R*	String	60	Address line 1	First line of street address for student's U.S. address.
Address2	O	String	60	Address line 2	Second line of street address for student's U.S. address.
City	R*	String	60	City	City for student's U.S. address
State	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)
PostalCode	R*	String	5	Zip code	Zip code for student'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**
PostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for student's U.S. address.
ForeignAddress	R*	Structure		Foreign address information	Structure used to provide student's foreign address information. Must be provided for all new student records.
Address1	R*	String	60	Foreign address line 1	First line of student's foreign street address.
Address2	O	String	60	Foreign address line 2	Second line of student's foreign street address.
City	O	String	60	Foreign city	City associated with student's foreign address.
Province	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 Citizenship / Residence Country Codes)
PostalCode	O	String	20	Postal code (Format: Alpha/Numeric)	Postal code/number for student's foreign address.
EducationalInfo	R*	Structure		Education information	Structure used to provide information related to student's selected education level and major/minor.
EduLevel	R*	Structure		Education level structure	Structure used to update the education level for a student.
Level	R*	String	2	Education level	Indicator for educational level student is pursuing. (See table entitled Education Level Codes)
OtherRemarks	O	String	500	Remarks	Text field for providing remarks related to the student's education level when "OTHER" is selected as the level. This element is required if "OTHER" is selected.

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 must 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 must 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. For F1 students only. (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 must include the decimal point.)	Code from CIP 2000 list of codes that represents student's minor. For F-1 students only. (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 greater than or equal to the date the Batch request is processed.
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.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
EngRequired	R*	Boolean	1	English proficiency required? (Value: 1 or true; 0 or false)	Indicator that school does or does not require English proficiency.
RequirementsMet	O	Boolean	1	English proficiency requirements met? (Value: 1 or true; 0 or false)	Indication whether student meets the English proficiency requirement for the 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.
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.
Expense	R*	Structure		Expenses	Structure used to provide information on expenses that must be paid by the student. Information provided should be for one academic term.
Tuition	R*	Integer	8	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.
LivingExpense	R*	Integer	8	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.

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	8	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.
Other	O	Structure		Other expenses	Structure used to identify other expenses that must be paid by student. If structure is used, elements identified as "R*" must be provided.
Amount	R*	Integer	8	Other expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total of other expenses that student must pay.
Remarks	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.
Personal	R*	Integer	8	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 tuition and expenses.
School	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	8	Amount of funding (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of funding being provided by the school.
Remarks	R*	String	500	School funding Explanation	Text field to explain source of funding being provided by the school.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Other	O	Structure		Other source of funding	Structure used to identify the amount and source of other funding being provided to the student. If structure is present, elements identified by "R*" must be provided.
Amount	R*	Integer	8	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.
Remarks	R*	String	500	Description of other funding	Text field used to describe the source of other funding.
Employment	O	Integer	8	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.
CreateDependent	O	Structure		Dependent information	Structure used to create a record for dependents that will accompany student to the U.S. If structure is present, elements identified by "R*" must be provided.
Dependent	R	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.
LastName	R*	String	40	Last name	Family name of dependent. If dependent has only one name, the name must be 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 (Value: Jr., Sr., I, II, III, IV)	Name suffix for dependent, e.g., Jr. (See table entitled Name Suffix Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	**Required/ Optional**	**Data Field Type**	**Data Length**	**Data Definition**	**Business Rules**
BirthDate	R*	Date	10	Birth date (Format: yyyy-MM-dd)	Dependent's birth date
Gender	R*	String	1	Gender (Value: 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 Birth 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 Citizenship / Residence Country Codes)
VisaType	R*	String	2	Visa type (Value: 04 = F-2 05 = M-2)	Visa classification assigned to dependent. Code associated with the visa type must be provided. (See table entitled Visa Type Codes)
Relationship	R*	String	2	Relationship (Value: 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)
Remarks	O	String	500	Remarks	Text field for recording general remarks about the dependent.
UserDefinedA	O	String	10	User defined field A (Format: Alphanumeric, variable length)	A text field for recording any code used by the school to identify the dependent in the school records.

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 (Format: Alphanumeric, variable length)	A second field for recording any code used by the school.
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. 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 document.
(sevisID)	R*	String	11	SEVIS ID (Format: Alpha/Numeric, N0123456789)	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 document. Identifier must be unique within the upload document.
(userID)	R*	String	10	SEVIS user ID for PDSO/DSO	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 document, if print request indicator 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**
(statusCode)	O	String		Status code to identify student record being updated	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 change education level 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: This element is required only after a change education level event for a student has been completed and prior to the student being registered at the new education level. In all other cases, the statusCode is optional..
UserDefinedA	O	String	10	User defined field A (Format: Alphanumeric, variable length)	A text field used by school to identify the student in the school records.
UserDefinedB	O	String	14	User defined field B (Format: Alphanumeric, variable length)	A second text field used by school.
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. The duration of the authorization to drop below full course load may be 12 months for F-1 students and 5 months for M-1 students. School officials should refer to the regulations governing authorization to drop below full course load.

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 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 (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
Reason	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)
StartDate	R*	Date	10	Authorization start date (Format: yyyy-MM-dd)	Start date for drop below full course authorization. Start date cannot be less than the student's Program Start Date and must be greater than or equal to the date the SEVIS Batch request is processed. Drop below segments may not overlap.
EndDate	R*	Date	10	Authorization end date (Format: yyyy-MM-dd)	End date for drop below full course authorization End date can not be less than the current date, and can not be greater than the student's Program End Date.
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. Cancel can be requested only prior to start date of an existing segment.

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 (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
Reason	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)
StartDate	R*	Date	10	Authorization end date (Format: yyyy-MM-dd)	Start date for drop below full course authorization that is being canceled.
EndDate	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 of existing authorization to drop below a full course load. If structure is used, the elements identified as "R*" must be provided. If the date the Batch request is processed is less than the Authorization Start Date, all elements may be edited. If the date the Batch request is processed is greater than the Authorization Start Date, only the authorization reason may be edited.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
Reason	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)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	**Required/ Optional**	**Data Field Type**	**Data Length**	**Data Definition**	**Business Rules**
StartDate	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. Start date may only be edited if the date the Batch request is processed is less than the original Authorization Start Date of the segment being edited.
EndDate	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. End date may only be edited if the date the Batch request is processed is less than the original Authorization End Date of the segment being edited.
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.
NewReason	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)
NewStartDate	O	Date	10	Authorization start date (Format: yyyy-MM-dd)	The new start date for drop below full course authorization. Start date cannot be less than the student's Program Start Date and must be greater than or equal to the date the SEVIS Batch request is processed.
NewEndDate	O	Date	10	Authorization end date (Format: yyyy-MM-dd)	The new end date for drop below full course authorization. End date can not be less than the current date, and can not be greater than the 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
CPTEmployment	O (Choice)	Structure		Curricular Practical Training employment	Structure used to add or cancel CPT employment for a student. 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. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
StartDate	R*	Date	10	Employment start date (Format: yyyy-MM-dd)	Date that student will begin CPT employment. Date entered must be greater than or equal to the date the Batch request is processed.
EndDate	R*	Date	10	Employment end date (Format: yyyy-MM-dd)	Date that student will complete CPT employment. Date entered must be less than or equal to the student's program end date.
FullPartTimeIndicator	R*	String	2	Employment type (Value: 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	100	Employer name	Name of the CPT employer.
EmployerAddress	R*	Structure		Address of employer	Structure used to provide information on the address elements for the CPT employer.
Address1	R*	String	60	Address line 1	First line of street address for employer's address.
Address2	O	String	60	Address line 2	Second line of street address for employer's address.
City	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**
State	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)
PostalCode	R*	String	5	Zip code	Zip code for employer's address.
PostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for employer's address.
CourseRelevance	0	String	250	Course Relevance	Text field for recording explanation for relevance of CPT employment to student's course work.
Remarks	O	String	250	CPT remarks	Text field for providing remarks related to the CPT employment information.
Cancel	O (Choice)	Structure		Cancel Curricular Practical Training employment	Structure used to cancel CPT employment for a student. CPT cancellation may be performed only if the date the Batch request is processed is less than the employment start date of the CPT segment being canceled. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
StartDate	R*	Date	10	Employment start date (Format: yyyy-MM-dd)	Start date for CPT employment segement being canceled.
EndDate	R*	Date	10	Employment end date (Format: yyyy-MM-dd)	End date for CPT employment segement being canceled.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
FullPartTimeIndicator	R*	String	2	Employment type (Value: 01 = Full Time; 02 = Part Time)	Employment code for CPT segment being canceled. 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	100	Employer name	Name of the CPT employer.
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 (Format: Alphanumeric, variable length)	A text field for recording any code used by the school to identify the dependent.
UserDefinedB	O	String	14	User defined field B (Format: Alphanumeric, variable length)	A second field for recording any code used by the school.
Add	O (Choice)	Structure		Add dependent	Structure used to create a record for a dependent that will accompany student to the U.S. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
FullName	R*	Structure		Full name	Structure used to provide full name elements for dependent.
LastName	R*	String	40	Last name	Family name of dependent. If dependent has only one name, the name must be 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 dependent.
MiddleName	O	String	40	Middle name	Middle name of dependent.
Suffix	O	String	3	Suffix code (Value: 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 (Value: 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 Birth 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 Citizenship / Residence Country Codes)
VisaType	R*	String	2	Visa type (Value: 04 = F-2; 05 = M-2)	Visa classification assigned to dependent. Code associated with the visa type must be provided. (See table entitled Visa Type Codes)
Relationship	R*	String	2	Relationship (Value: 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	This field may be used by institutions to record general remarks about 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
Cancel	O (Choice)	Structure		Cancel dependent	Structure used to cancel a dependent record. If structure is used, elements identified with "R*" must be provided.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N0123456789)	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 of Student Cancellation Reason Codes)
Remarks	O	String	500	Remarks	Text field for recording general remarks about the dependent cancellation request.
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, N0123456789)	SEVIS ID of dependent record being edited.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
FullName	O	Structure		Full name	Structure used to update full name elements for dependent.
LastName	R*	String	40	Last name	Family name of dependent. If dependent has only one name, the name must be 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 (Value: Jr., Sr., I, II, III, IV)	Name suffix for dependent. (See table entitled Name Suffix Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	**Required/ Optional**	**Data Field Type**	**Data Length**	**Data Definition**	**Business Rules**
BirthDate	O	Date	10	Birth date (Format: yyyy-MM-dd)	Dependent's birth date
Gender	O	String	1	Gender (Value: 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 Birth 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 Citizenship / Residence Country Codes)
Relationship	O	String	2	Relationship (Value: 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)	none	0	Reactivate dependent	Indicator used to request reactivation of a Terminated dependent. The print request attribute (printForm) must be provided. No value is needed; empty tag will indicate dependent reactivation.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N0123456789)	SEVIS ID of dependent record being reactivated. The dependent's status will be set to the same status as the principal's record.

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*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download. No value is needed; empty tag will indicate dependent reactivation.
Reprint	O (Choice)	Struture		Reprint Dependent I-20	Structure used to request reprint of the I-20 for a dependent.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N0123456789)	SEVIS ID of dependent record for which the reprint is being requested.
(printForm)	O*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download. Print form value will always be overwritten with true.
Terminate	O (Choice)	Structure		Terminate dependent	Structure used to terminate a dependent, e.g., dependent is leaving the U.S. If structure is used, elements identified with "R*" must be provided.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N0123456789)	SEVIS ID of dependent record being terminated.
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 Dependent Termination Codes)
OtherRemarks	O	String	500	Remarks	Text field for providing remarks related to selection of "OTHER" as the dependent termination reason. If "OTHER" is selected, this element is required.
Remarks	O	String	500	Remarks	Text field for recording general remarks related to the dependent termination request.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
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.
Explanation	R*	String	500	Explanation of disciplinary action taken against student	Text field for entering remarks related to disciplinary action.
EducationLevel	O (Choice)	Structure		Education Level information	Structure used to edit information related to a change education level event.
Cancel	O (Choice)	Structure		Cancel education level change	Structure used to cancel education level change event.
Remarks	O	String	500	Remarks	Text field for recording remarks related to the cancel change education level event.
Change	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. A new initial status record will be created for the student using the same SEVIS ID. The new program start date must be greater than the date the Batch request is processed. The new program end date is not limited to one year. A new initial status record will be created for the student using the same SEVIS ID. The school will be required to register the student at the new program level.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
EducationalInfo	R*	Structure		Education information	Structure used to provide information related to student's new education level and major/minor.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	**Required/ Optional**	**Data Field Type**	**Data Length**	**Data Definition**	**Business Rules**
EduLevel	R*	Structure		Education level structure	Structure used to update the education level for a student.
Level	R*	String	2	Education level	Indicator for educational level student is pursuing. (See table entitled Education Level Codes)
OtherRemarks	O	String	500	Remarks	Text field for providing remarks related to the student's education level when "OTHER" is selected as the level. This element is required if "OTHER" is selected.
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. For F1 students only. (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 For F1 students only. (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.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
PrgStartDate	R*	Date	10	Program start date (Format: yyyy-MM-dd)	Date the student's program will begin. Program start date must be greater than or equal to the date the Batch request is processed.
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? (Value: 1 or true; 0 or false)	Indicator that school does or does not require English proficiency.
RequirementsMet	O	Boolean	1	English proficiency requirements met? (Value: 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.
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.
Expense	R*	Structure		Expenses	Structure used to provide information on expenses that must be paid by the student. Information should be provided for one academic term.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	**Required/ Optional**	**Data Field Type**	**Data Length**	**Data Definition**	**Business Rules**
Tuition	R*	Integer	8	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.
LivingExpense	R*	Integer	8	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.
DependentExp	O	Integer	8	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.
Other	O	Structure		Other expenses	Structure used to identify other expenses that must be paid by student. If structure is used, elements identified as "R*" must be provided.
Amount	R*	Integer	8	Other expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total of other expenses that student must pay.
Remarks	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.
Personal	R*	Integer	8	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.
School	O	Structure		School funding	Structure used to identify funding being provided by the school. 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	8	Amount of funding (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of funding being provided by the school.
Remarks	R*	String	500	School funding explanation	Text field to explain source of funding being provided by the school
Other	O	Structure		Other source of funding	Structure used to identify the amount and source of other funding being provided to the student. If structure is used, elements identified by "R*" must be provided.
Amount	R*	Integer	8	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.
Remarks	R*	String	500	Description of other funding	Text field used to describe the source of other funding.
Employment	O	Integer	8	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.
Remarks	O	String	500	Remarks	Text field for recording remarks related to the change education level event.
FinancialInfo	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 (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
AcademicTerm	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.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	**Required/ Optional**	**Data Field Type**	**Data Length**	**Data Definition**	**Business Rules**
Expense	O	Structure		Expenses	Structure used to provide updates to expenses that must be paid by the student. Information should be provided for one academic term.
Tuition	O	Integer	8	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.
LivingExpense	O	Integer	8	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.
DependentExp	O	Integer	8	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.
Other	O	Structure		Other expenses	Structure used to identify other expenses that must be paid by student. If structure is used, elements identified as "R*" must be provided.
Amount	O	Integer	8	Other expenses (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total of other expenses that student must pay.
Remarks	O	String	500	Explanation for other expenses	Text field for explanation of other expenses student must pay.
Funding	O	Structure		Funding	Structure used to update information related to funding that is available to the student.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	**Required/ Optional**	**Data Field Type**	**Data Length**	**Data Definition**	**Business Rules**
Personal	O	Integer	8	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.
School	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	O	Integer	8	Amount of funding (Format: U.S. dollars; integer only, no dollar signs, decimals, or commas)	Total amount of funding being provided by the school.
Remarks	O	String	500	School funding explanation	Text field to explain source of funding being provided by the school.
Other	O	Structure		Other source of funding	Structure used to update the amount and source of other funding being provided to the student. If structure is present, elements identified by "R*" must be provided.
Amount	O	Integer	8	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.
Remarks	O	String	500	Description of other funding	Text field used to describe the source of other funding.
Employment	O	Integer	8	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.
Remarks	O	String	500	General student remarks	Text field for entering general student remarks.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
OffCampusEmployment	O (Choice)	Structure		Off campus employment	Structure used to add or cancel off-campus employment for a student. 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. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
StartDate	R*	Date	10	Off-campus employment start date (Format: yyyy-MM-dd)	Date that student is requesting to begin OCE employment. Date entered must be greater than or equal to the date the Batch request is processed.
EndDate	R*	Date	10	Off-campus employment end date (Format: yyyy-MM-dd)	Date that student is requesting to complete OCE employment. Date entered must be less than or equal to the student's program end date.
EmploymentType	R*	String	2	Type of off-campus employment (Value: 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	0	String	250	Recommendation for OCE	Field for recording recommendation for off-campus employment.
Cancel	O (Choice)	Structure		Cancel off campus employment	Structure used to cancel an existing off-campus employment segment. The date the Batch request is processed must be less than the start date of the OCE segment being canceled. 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**
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
StartDate	R*	Date	10	Off-campus employment start date (Format: yyyy-MM-dd)	Start date for the OCE segment being canceled.
EndDate	R*	Date	10	Off-campus employment end date (Format: yyyy-MM-dd)	End date for the OCE segment being canceled.
EmploymentType	R*	String	2	Type of off-campus employment (Value: 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 associated with employment type must be provided. (See table entitled Off-Campus Employment Reason Codes)
Edit	O (Choice)	Structure		Edit off campus employment	Structure used to edit off-campus employment for a student. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
StartDate	R*	Date	10	Off-campus employment start date (Format: yyyy-MM-dd)	Start date of the OCE segment being edited.
EndDate	R*	Date	10	Off-campus employment end date (Format: yyyy-MM-dd)	End date of the OCE segment being edited.
EmploymentType	R*	String	2	Type of off-campus employment (Value: 01 = Economic hardship; 02 = International Organization; 03 = Special Student Relief)	Code indicating the type of off-campus employment that is being updated. It should match the employment type previously entered. Two-digit code associated with employment type must be provided. (See table entitled Off-Campus Employment Reason Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
NewStartDate	O	Date	10	Employment start date (Format: yyyy-MM-dd)	The new start date that student will begin OCE employment. Date entered must be greater than or equal to the date the Batch request is processed.
NewEndDate	O	Date	10	Employment end date (Format: yyyy-MM-dd)	The new end date that student will complete OCE employment. Date entered must be less than or equal to the student's program end date.
NewEmploymentType	O	String	2	Type of off-campus employment (Value: 01 = Economic hardship; 02 = International Organization; 03 = Special Student Relief)	Code indicating the new type of off-campus employment that is being edited. Two-digit code associated with employment type must be provided. (See table entitled Off-Campus Employment Reason Codes)
Recommendation	O	String	250	Recommendation for OCE	Field for recording recommendation for off-campus employment.
OPTEmployment	O (Choice)	Structure		OPT request	Structure used to add or cancel an OPT employment request for a student. If structure is used, elements identified with "R*" must be provided.
Add	O (Choice)	Structure		Add OPT request	Structure used to add an OPT employment request for a student. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
StartDate	R*	Date	10	Employment start date (Format: yyyy-MM-dd)	Date that student is rquesting to begin OPT employment. Date entered must be greater than the date the Batch request is processed.
EndDate	R*	Date	10	Employment end date (Format: yyyy-MM-dd)	Date that student is requesting to complete OPT employment. Date must be greater than the OPT employment start date.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	**Required/ Optional**	**Data Field Type**	**Data Length**	**Data Definition**	**Business Rules**
FullPartTimeIndicator	R*	String	2	Employment time (Value: 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	O	String	100	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. If structure is used, elements identified with "R*" must be provided.
Address1	R*	String	60	Address line 1	First line of street address for employer.
Address2	O	String	60	Address line 2	Second line of street address for employer.
City	R*	String	60	City	City for employer's address.
State	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)
PostalCode	R*	String	5	Zip code	Zip code for employer's address.
PostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for employer's address.
CourseRelevance	O	String	250	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 (Value: 1 or true; 0 or false)	Indicator to report whether the student has met the one (1) full academic year requirement for OPT.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
CompletionType	R*	String	2	OPT Employment Completion Type (Value: 01 = Pre-Completion 02 = Post-Completion)	Code indicating pre-completion orpost-completion OPT employment. Required for F-1 students only. Two-digit code associated with completion type must be used. (See table entitled OPT Employment Completion Type Codes).
StudentRemarks	O	String	500	Student remarks	Text field for providing student remarks. These remarks will print on page 1 of the I-20.
Remarks	O	String	250	OPT remarks	Text field for providing remarks related to the OPT employment information. These remarks will print on page 3 of the I-20.
Cancel	O (Choice)	Structure		Cancel OPT request	Structure used to cancel an OPT employment request for a student. If structure is used, elements identified with "R*" must be provided. Cancellation may only be performed prior to adjudication of OPT by the Service Center.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
StartDate	R*	Date	10	Employment start date (Format: yyyy-MM-dd)	Start date of OPT segment being canceled.
EndDate	R*	Date	10	Employment end date (Format: yyyy-MM-dd)	End date of OPT segment being canceled.
FullPartTimeIndicator	R*	Boolean	2	Employment time (Value: 01 = Full Time 02 = Part Time)	Code indicating full-time or part-time employment. Two-digit code associated with employment type being canceled must be used. (See table entitled Employment Time Codes)
EmployerName	O	String	100	Employer name	Name of the OPT employer on the segment being canceled.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Edit	O	Structure		Edit OPT request	Structure used to edit an OPT employment request for a student. If structure is used, elements identified with "R*" must be provided. Editing employment dates and full/part time indicator may only be performed prior to adjudication of OPT by the Service Center.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
StartDate	R*	Date	10	Employment start date (Format: yyyy-MM-dd)	Start date of OPT segment being edited.
EndDate	R*	Date	10	Employment end date (Format: yyyy-MM-dd)	End date of OPT segment being edited.
FullPartTimeIndicator	R*	Boolean	2	Employment time (Value: 01 = Full Time 02 = Part Time)	Code indicating full-time or part-time employment of OPT segment being edited. Two-digit code associated with employment type being edited must be used. (See table entitled Employment Time Codes)
EmployerName	O	String	100	Employer name	Name of the OPT employer on the segment being edited.
NewStartDate	O	Date	10	Employment start date (Format: yyyy-MM-dd)	New start date that student is rquesting to begin OPT employment
NewEndDate	O	Date	10	Employment end date (Format: yyyy-MM-dd)	New end date that student is rquesting to end OPT employment
NewFullPartTimeIndicator	O	Boolean	2	Employment time (Value: 01 = Full Time 02 = Part Time)	Code indicating full-time or part-time employment. (See table entitled Employment Time Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
EmployerAddress	O	Structure		Address of employer	Structure used to provide information on the address elements for the new OPT employer. If structure is used, elements identified with "R*" must be provided.
Address1	R*	String	60	Address line 1	First line of street address for new employer.
Address2	O	String	60	Address line 2	Second line of street address for new employer.
City	R*	String	60	City	City for new employer's address.
State	R*	String	2	State	State for new employer's address. Two-digit code associated with the U.S. state must be used. (See table entitled State Codes)
PostalCode	R*	String	5	Zip code	Zip code for new employer's address.
PostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for new employer's address.
CourseRelevance	O	String	250	Course Relevance	Text field for recording explanation for relevance of OPT employment to student's course work.
AcademicYearMet	O	Boolean	1	Academic year met indicator (Value: Y for true; N for false)	Indicator to report whether the student has met the one (1) full academic year requirement for OPT.
CompletionType	O	String	2	OPT Employment Completion Type (Value: 01 = Pre-Completion 02 = Post-Completion)	Code indicating pre-completion orpost-completion OPT employment. Required for F-1 students only. Two-digit code associated with completion type must be used. (See table entitled OPT Employment Completion Type Codes).
StudentRemarks	O	String	500	Student remarks	Text field for providing student remarks. These remarks will print on page 1 of the I-20.

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	250	OPT remarks	Text field for providing remarks related to the OPT employment information. These remarks will print on page 3 of the I-20.
Extend	O	Structure		Extend OPT	Structure used to extend an existing approved OPT employment segment for a student. Available to F-1 students only. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
StartDate	R*	Date	10	Employment start date (Format: yyyy-MM-dd)	Start date of OPT segment being extended.
EndDate	R*	Date	10	Employment end date (Format: yyyy-MM-dd)	End date of OPT segment being extended.
FullPartTimeIndicator	R*	Boolean	2	Employment time (Value: 01 = Full Time 02 = Part Time)	Code indicating full-time or part-time employment. Two-digit code associated with employment type being edited must be used. (See table entitled Employment Time Codes)
EmployerName	R*	String	100	Employer name	Name of the OPT employer on the segment being extended.
EmployerAddress	R*	Structure		Address of employer	Structure used to provide information on the address elements for the new OPT employer. If structure is used, elements identified with "R*" must be provided.
Address1	R*	String	60	Address line 1	First line of street address for employer.
Address2	O	String	60	Address line 2	Second line of street address for employer.
City	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**
State	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)
PostalCode	R*	String	5	Zip code	Zip code for employer's address.
PostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for employer's address.
StudentRemarks	O	String	500	Student remarks	Text field for providing student remarks. These remarks will print on page 1 of the I-20.
Remarks	O	String	250	OPT remarks	Text field for providing remarks related to the OPT employment information. These remarks will print on page 3 of the I-20.
ReportParticipation	O	Structure		Report OPT Participation	Structure used to report that an F-1 student is actively participating in OPT during the OPT reporting period. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
StartDate	R*	Date	10	Employment start date (Format: yyyy-MM-dd)	Start date of OPT segment for which OPT participation is being reported.
EndDate	R*	Date	10	Employment end date (Format: yyyy-MM-dd)	End date of OPT segment for which OPT participation is being reported.
FullPartTimeIndicator	R*	Boolean	2	Employment time (Value: 01 = Full Time 02 = Part Time)	Code indicating whether the OPT segment for which OPT participation is being reported is full-time or part-time. Two-digit code associated with employment type being edited must be used. (See table entitled Employment Time Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
PersonalInfo	O (Choice)	Structure		Edit personal Information	Structure used for providing updates to a student's personal information. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
FullName	O	Structure		Full name	Structure used to provide the full name elements for the student.
LastName	R*	String	40	Last name	Family name of student. If student has only one name, the name must be 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 (Value: 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.
Gender	O	String	1	Gender (Value: 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 Birth 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 Citizenship / Residence 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
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.
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.
Number	O	String	30	Driver's license number	Student's U.S. driver's license number.
State	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.
USAddress	O	Structure		U.S. address	Structure used to provide updates to the address where student is residing while attending courses in the U.S. If structure is used, elements identified with "R*" must be provided.
Address1	R*	String	60	Address line 1	First line of street address for student's U.S. address.
Address2	O	String	60	Address line 2	Second line of street address for student's U.S. address.
City	R*	String	60	City	City for student'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**
State	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)
PostalCode	R*	String	5	Zip code	Zip code for student's U.S. address.
PostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for student's U.S. address.
ForeignAddress	O	Structure		Foreign address	Structure used to provide updates to student's foreign address. If structure is used, elements identified with "R*" must be provided.
Address1	R*	String	60	Foreign address line 1	First line of student's foreign street address.
Address2	O	String	60	Foreign address line 2	Second line of student's foreign street address.
City	O	String	60	Foreign city	City associated with student's foreign address.
Province	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 Citizenship / Residence Country Codes)
PostalCode	O	String	20	Postal code (Format: Alpha/Numeric)	Postal code/number for student's foreign address.
Remarks	O	String	500	Remarks	Text field for recording general remarks about the student.
Program	O (Choice)	Structure		Program information	Structure used to edit program information. 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
CancelExtension	O (Choice)	Structure		Cancel M-1 extension	Structure used to cancel a previously requested extension for an M-1 student. If structure is used, the elements identified as "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
NewPrgEndDate	R*	Date	10	Program end date (Format: yyyy-MM-dd)	Program end date of extension request being canceled.
Remarks	O	String	500	Remarks regarding extension of program	Text field for entering remarks related to cancellation of the extension.
DeferAttendence	O (Choice)	Structure		Defer attendance	Structure used to deferring student's attendance. If structure is used, the elements identified as "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS 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 deferral of attendance.
Edit	O (Choice)	Structure		Edit program information	Structure used for providing updates to a student's program information. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS 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
Level	O*	String	2	Education level	Indicator for educational level student is pursuing. Two-digit code associated with the student's education level must be provided. Only F-1 student's education level may be edited. (See table entitled Education Level Codes)
PrimaryMajor	O*	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. Only F-1 student's primary major may be edited. (See table entitled Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors)
SecondMajor	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. For F1 students only. (See table entitled Major/Minor Codes for Students and Subject/Field Codes for Exchange Visitors)
Minor	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)
LengthOfStudy	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. 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**
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.
Remarks	O	String	500	Remarks	Text field provided to record remarks associated with the updates to the student's program information.
Extension	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 (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS 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	Text field provided to record remarks associated with request for extension of student's program end date.
Explanation	R*	String	500	Explanation for extension of program	Text field for entering medical or academic circumstances that necessitate extension of 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**
Shorten	O (Choice)	Structure		Shorten program	Structure used to shorten student's program within the original program end date. If structure is used, the elements identified as "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
NewPrgEndDate	R*	Date	10	New program end date (Format: yyyy-MM-dd)	New date that student will complete program. Date provided must be less than the original program end date provided for the student.
Remarks	O	String	500	Remarks regarding extension of program	Text field for entering remarks related to shorten program request.
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 Next Session Start Date. If structure is used, the elements identified as "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
LastSession	R*	Boolean	1	Last Session indicator (Value: 1 or true; 0 or false)	Indicator used to denote wheather the 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 greater than the date the Batch request is processed.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	**Required/ Optional**	**Data Field Type**	**Data Length**	**Data Definition**	**Business Rules**
NextSessionStartDate	O	Date	10	Next Session start date (Format: yyyy-MM-dd)	Start date for student's next session; must be greater than the current session end date and less than the student's program end date. If LastSession element is 0 or false, then NextSessionStartDate element is required.
Commuter	O	Boolean	1	Commuter student (Value: 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.
USAddress	O	Stucture		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.
Address1	R*	String	60	Address line 1	First line of street address for student's U.S. address.
Address2	O	String	60	Address line 2	Second line of street address for student's U.S. address.
City	R*	String	60	City	City for student's U.S. address.
State	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)
PostalCode	R*	String	5	Zip code	Zip code for student's U.S. address.
PostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for student'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
ForeignAddress	O	Structure		Foreign address	Structure used to provide updates to student's foreign address. If structure is used, elements identified with "R*" must be provided.
Address1	R*	String	60	Foreign address line 1	First line of student's foreign street address.
Address2	O	String	60	Foreign address line 2	Second line of student's foreign street address.
City	O	String	60	Foreign city	City associated with student's foreign address.
Province	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 Citizenship / Residence Country Codes)
PostalCode	O	String	20	Postal code (Format: Alpha/Numeric)	Postal code/number for student's foreign address.
TravelInfo	O	Structure		Passport, Visa, and Port of Entry information	Structure used to provide information related to the student's passport, visa, and port through which the student entered the U.S. Structure is optional and all elements related to TravelInfo 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 Passport Issuing Country Codes)
PassportExpDate	O	Date	10	Passport expiration date (Format: yyyy-MM-dd)	Expiration date for student's passport.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	**Required/ Optional**	**Data Field Type**	**Data Length**	**Data Definition**	**Business Rules**
VisaNumber	O	String	25	Visa number	Number of visa granted to student by the U.S. Consulate.
VisaIssuingCntry	O	String	3	Visa issuing country	U.S. Consular Office (Post) or country where visa was issued. Three-digit code associated with the U.S. Consulate or country must be provided. (See table entitled Visa Issuance Post Codes)
VisaIssueDate	O	Date	10	Visa issuance date (Format: yyyy-MM-dd)	Issuance date for student's visa.
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 travel information.
Reprint	O (Choice)	Structure		Reprint student I-20	Structure used to request reprint of the I-20 for a student.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
Reason	R*	String	2	Reason Code for reprint	Reason for requesting the reprint. The two digit code associated with the reason the reprint is being requested must be provided. (See table entitled Student Reprint Code)

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 for providing remarks related to the reprint request.
Request	O (Choice)	Structure		Request	Structure used to record a student request (i.e., Gap-Gap Extension).
CapGapExtension	R*	String	2	Cap-Gap Extension	Structure used to record a Gap-Gap Extension for an Active F-1 student on or after the program end date.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that I-20 in PDF document is returned with SEVIS Batch download.
Status	R	String	1	Status (Value: C – Canceled, F – Filed, T - Waitlisted)	Status of Cap-Gap Extension request. (See table entitled Gap-Gap Extension Status Type Codes)
Status	O (Choice)	Structure		Student status	Structure used to update student status. If structure is used, elements identified with "R*" must be provided.
Cancel	O (Choice)	Structure		Cancel Student	Structure used to cancel I-20 for a student. 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 Cancellation Reason Codes
Remarks	O	String	500	Remarks	Text field for providing remarks related to the cancel request.
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 Batch request is processed.
Remarks	O	String	500	Remarks associated with completion of program	Text field for entering remarks related to student's completion of program.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
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.
Reason	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)
OtherRemarks	O	String	500	Remarks	Text field to provide remarks related to the selection of "Otherwise failing to maintain status" as the termination reason. If "Otherwise failing to maintain status" is selected, this element is required.
Remarks	O	String	500	Terminate student remarks	Text field for entering remarks related to student termination.
Verify	O (Choice)	none	1	Verify indicator	Confirmation of status – verify status – 6 month check. No value needed, empty tag will indicate student status is being verified.

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 document, 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 document.
BatchHeader	R	Structure		Header	Structure used to provide the header elements identifying the SEVIS Batch upload.
BatchID	R	String	14	SEVIS Batch Document identifier	A unique identifier assigned by the program for the SEVIS Batch upload document. Must be unique to the program for each data document 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. If structure is used, elements identified with "R*" must be provided. A maximum of 250 create exchange visitor and 250 update exchange visitor requests may be included in each upload document.
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 document. Identifier must be unique within the upload document.
(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 document, if print request indicator is 1 or true.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF document is returned with SEVIS Batch download.
UserDefinedA	O	String	10	User defined field A (Format: Alphanumeric, variable length)	A text field for recording any code used by the program sponsor to identify the exchange visitor, e.g., ID number or document number.
UserDefinedB	O	String	14	User defined field B (Format: Alphanumeric, variable length)	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	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	Family name of exchange visitor. If exchange visitor has only one name, the name must be 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 (Value: 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 table entitled Exchange Visitor and Dependent Age Requirements.)
Gender	R*	String	1	Gender (Value: M = Male, F = Female)	Exchange visitor's gender. (See table entitled Gender Codes) NOTE: Unknown is not acceptable as the gender for an exchange visitor.
BirthCity	R*	String	50	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	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. Codes are provided for countries that have changed names or no longer exist. If country of birth is U.S. or U.S. territory, additional information must be provided in the BirthCountryReason element. (See table entitled Birth 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 Citizenship / Residence Country Codes)
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 Citizenship / Residence Country Codes)
BirthCountryReason	O	String	2	Birth Country Reason (Value: 01 = U.S. - Born to Foreign Diplomat 02 = U.S. – Expatriated)	If the United States or a United States territory is the country of birth, the reason code must be provided. (See table entitled U.S. and U.S. Territories Birth Country Reason Codes)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
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)
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 greater than or equal to the date the Batch request is processed.
PrgEndDate	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 table entitled Department of State Maximum and Minimum Duration of Stay Rules.
CategoryCode	R*	String	2	Program category	Program category for exchange visitor. (See table entitled EV Category Code Type) See table entitled Department of State Maximum and Minimum Duration of Stay Rules
OccupationCategoryCode	O	String	2	Occupational Category Code	Exchange visitor occupation category codes See table entitled (EV Occupation 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.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
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)
ForeignDegreeLevel	O	String	100	Foreign degree level	Text field for providing remarks explaining foreign degree level. This is a required field if the EV's category is Student Intern.
ForeignFieldOfStudy	O	String	100	Foreign field of study	Text field for providing remarks explaining the foreign field of study. This is a required field if the EV's category is Student Intern.
Remarks	R*	String	500	Remarks	Text field for providing remarks related to the SubjectField element.
USAddress	R*	Structure		U.S. address	Address where exchange visitor will reside while in the U.S.
Address1	R*	String	60	Address line 1	First line of street address for exchange visitor's U.S. address.
Address2	O	String	60	Address line 2	Second line of street address for exchange visitor's U.S. address.
City	R*	String	60	City	City for exchange visitor's U.S. address
State	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)
PostalCode	R*	String	5	Zip code	Zip code 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
PostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for exchange visitor's U.S. address.
FinancialInfo	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.
ReceivedUSGovtFunds	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	8	Program Sponsor funds (Format: U.S. Dollars, 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.
USGovt	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.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Org1	R*	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. When USGovt/Org1 is updated, USGovt/OtherName1 and USGovt/Amount1 are required. (See table entitled U.S. Government Agency Codes)
OtherName1	O	String	60	Other U.S. Government organization name 1	Name of Other U.S. Government organization when code for 'Other' is selected in USGovt/Org1. NOTE: An empty tag should be sent if the value for USGovt/Org1 is not 'Other'.
Amount1	R*	String	8	U.S. Government organization amount (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the U.S. Government organization identified in the element USGovt/Org1. If an organization is provided in the element USGovt/Org1, an amount must be provided.
Org2	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. When USGovt/Org2 is updated, USGovt/OtherName2 and USGovt/Amount2 are required. (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
OtherName2	O	String	60	Other U.S. Government organization name 2	Name of Other U.S. Government organization when code for 'Other' is selected in USGovt/Org2. NOTE: An empty tag should be sent if the value for USGovt/Org2 is not 'Other'.
Amount2	O	String	8	U.S. Government organization funding amount (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the U.S. Government organization identified in the element USGovt/Org2. If an organization is provided in the element USGovt/Org2, an amount must be provided.
International	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.
Org1	R*	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. When International/Org1 is updated, International/OtherName1 and International/Amount1 are required. (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
OtherName1	O	String	60	Other International organization name 1	Name of International organization when code for 'Other' is selected in International/Org1. NOTE: An empty tag should be sent if the value for International/Org1 is not 'Other'.
Amount1	R*	String	8	International organization funding amount (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the international organization identified in the element International/Org1. If an organization is provided in the element International/Org1, an amount must be provided.
Org2	O	String	6	International organization 2	International organization that is providing funding to the exchange visitor. Code associated with the granting organization must be provided. When International/Org2 is updated, International/OtherName2 and International/Amount2 are required. (See table entitled International Organization Codes)
OtherName2	O	String	60	Other International organization name 2	Name of International organization when code for 'Other' is selected in International/Org2. NOTE: An empty tag should be sent if the value for International/Org2 is not 'Other'.
Amount2	O	String	8	International organization funding amount (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the international organization identified in the element International/Org2. If an organization is provided in the element International/Org2, an amount 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
EVGovt	O	String	8	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.
BinationalCommission	O	String	8	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.
Other	O	Structure		Other organization funding	Structure used to identify funding received from other organizations. Structure is optional and all elements within structure are required.
Name	R*	String	60	Other organization name	Name of Other organization that provided financial support.
Amount	R*	String	8	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.
Personal	O	String	8	Personal funds (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Total amount of personal funds available to the exchange visitor.
CreateDependent	O	Structure		Dependent information	Structure used to create a record for dependents that will accompany exchange visitor to the U.S. 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
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. 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	Family name of dependent. If dependent has only one name, the name must be 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 (Value: 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 (Value: M = Male, F = Female)	Dependent's gender. (See table entitled Gender Codes) NOTE: Unknown is not acceptable for dependent of an exchange visitor.
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. If country of birth is U.S. or U.S. territory, additional information must be provided in the BirthCountryReason element. (See table entitled Birth 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 Citizenship / Residence Country Codes)
PermanentResidenceCountryCode	R*	String	2	Country of permanent residence	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 Citizenship / Residence Country Codes)
BirthCountryReason	O	String	2	Birth Country Reason (Value: 01 = U.S. - Born to Foreign Diplomat 02 = U.S. – Expatriated)	If the United States or a United States territory is the country of birth, the reason code must be provided. (See table entitled U.S. and U.S. Territories Birth Country Reason 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 (Value: 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 (Format: Alphanumeric, variable length)	A text field for recording any code used by the program sponsor to identify the dependent, e.g., ID number or document number.
UserDefinedB	O	String	14	User defined field A (Format: Alphanumeric, variable length)	A text field for recording any code used by the program sponsor to identify the dependent, e.g., ID number or document number.
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. The site of activity to be printed on the DS-2019 must be identified using the PrimarySite element.
SiteOfActivity	R	Structure		Site of Activity address	Structure used to provide elements of U.S. address for site of activity.
Address1	R	String	60	Address line 1	First line of street address for site of activity.
Address2	O	String	60	Address line 2	Second line of street address for site of activity.
City	R	String	60	City	City for site of activity address.
State	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)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
PostalCode	R	String	5	Zip code	Zip code for site of activity address.
PostalRoutingCode	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
PrimarySite	R	Boolean	1	Primary Site Of Activity (Value: 1 or true; 0 or false)	Indicator used to determine the site of activity that will be printed on the DS-2019.
UpdateEV	O	Structure		Update exchange visitor NOTE: Up to 250 updates can be requested per upload document.	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.
ExchangeVisitor	R*	Structure		Exchange visitor information	Structure used to provide information related to exchange visitor being updated.
(sevisID)	R*	String	11	SEVIS ID (Format: N0123456789)	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 document. Identifier must be unique within the upload document.
(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 document, if print request indicator 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
(statusCode)	O	String		Status code to identify student record being updated	Status code is used to identify which student to update in cases where a Change Educational Level event has been executed for a student. NOTE: This tag can be ignored for updates to exchange visitors
UserDefinedA	O	String	10	User defined field A (Format: Alphanumeric, variable length)	A text field for recording any code used by the program sponsor to identify the exchange visitor, e.g., ID number or document number.
UserDefinedB	O	String	14	User defined field B (Format: Alphanumeric, variable length)	A second field for recording any code used by the program sponsor to identify the exchange visitor.
Biographical	O (Choice)	Structure		Edit exchange visitor biographical information	Structure used to edit an existing exchange visitor's biographical information. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF document is returned with SEVIS 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	Family name of exchange visitor. If exchange visitor has only one name, the name must be 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.

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 (Value: 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 (Value: M = Male, F = Female)	Exchange visitor's gender. NOTE: Unknown is not acceptable for an exchange visitor. (See table entitled Gender Codes)
BirthCity	O	String	200	City of birth	City where exchange visitor was born.
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. Can be U.S. or U.S. Territory. Codes are provided for countries that have changed names or no longer exist. If country of birth is U.S. or U.S. territory, additional information must be provided in the BirthCountryReason element. (See table entitled Birth Country Codes)
CitizenshipCountryCode	O	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 Citizenship / Residence 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	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 Citizenship / Residence Country Codes)
BirthCountryReason	O	String	2	Birth Country Reason (Value: 01 = U.S. - Born to Foreign Diplomat 02 = U.S. – Expatriated)	If the United States or a United States territory is the country of birth, the reason code must be provided. (See table entitled U.S. and U.S. Territories Birth Country Reason Codes)
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)
USAddress	O	Structure		Current US address information	Structure used to provide exchange visitor's U.S. address. If structure is used, elements identified with "R*" must be provided.
Address1	R*	String	60	Address line 1	First line of street address for exchange visitor's U.S. address.
Address2	O	String	60	Address line 2	Second line of street address for exchange visitor's U.S. address.
City	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
State	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)
PostalCode	R*	String	5	Zip code	Zip code for exchange visitor's U.S. address.
PostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code for exchange visitor's U.S. address.
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 (Format: Alphanumeric, variable length)	A text field for recording any code used by the OrgID to identify the dependent, e.g., ID number or document number.
UserDefinedB	O	String	14	User defined field B (Format: Alphanumeric, variable length)	A second field for recording any code used by the OrgID to identify the dependent.
Add	O (Choice)	Structure		Add dependent	Structure used to create a record for a dependent that will accompany exchange visitor to the U.S. 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
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF document is returned with SEVIS Batch download.
FullName	R*	Structure		Full name	Structure used to provide full name elements for dependent.
LastName	R*	String	40	Last name	Family name of dependent. If dependent has only one name, the name must be 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 (Value: 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 (Value: M = Male, F = Female)	Dependent's gender. NOTE: Unknown is not acceptable for dependents of an exchange visitor. (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. If country of birth is U.S. or U.S. territory, additional information must be provided in the BirthCountryReason element. (See table entitled Birth 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	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 Citizenship / Residence 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 Citizenship / Residence Country Codes)
BirthCountryReason	O	String	2	Birth Country Reason (Value: 01 = U.S. - Born to Foreign Diplomat 02 = U.S. – Expatriated)	If the United States or a United States territory is the country of birth, the reason code must be provided. (See table entitled U.S. and U.S. Territories Birth Country Reason Codes)
Relationship	R*	String	2	Relationship (Value: 01 = Spouse; 02 = Child)	Dependent's relationship to the exchange visitor. Regulations permit only one spouse to accompany exchange visitor 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
FormPurpose	R	String	2	Purpose of form (Value: 06 = Begin new program; accompanied by number (count) of immediate family members 08 = Permit exchange visitor's (count) dependents to enter US separately)	This field used to indicate what text should be printed on the DS-2019 in the “Purpose of this form” field. This rule(06, 08) is only applied when EV is in initial status. When the EV is in active status, “Permit exchange visitor's (count) dependents to enter US separately “ will be printed on the DS-2019 disregarding the value ,06 or 08, on this field.
Delete	O	Structure		Delete Dependent	Sturcture used to delete dependent. This event is available for exchange visitor records that are in Initial status.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N0123456789)	Depndent’s SEVIS ID.
Edit	O (Choice)	Structure		Dependent personal information	Structure used to edit 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, N0123456789)	SEVIS ID of dependent record being edited.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF document is returned with SEVIS Batch download.
FullName	O	Structure		Full name	Structure used to edit full name elements for dependent.
LastName	R*	String	40	Last name	Family name of dependent. If dependent has only one name, the name must be provided in this element.
FirstName	O	String	40	First name	First 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
MiddleName	O	String	40	Middle name	Middle name of dependent.
Suffix	O	String	3	Suffix code (Value: 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 (Value: M = Male, F = Female)	Dependent's gender. NOTE: Unknown is not acceptable for the dependent of an exchange visitor. (See table entitled Gender Codes)
BirthCity	O	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. If country of birth is U.S. or U.S. territory, additional information must be provided in the BirthCountryReason element. (See table entitled Birth 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 must be provided. (See table entitled Citizenship / Residence 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	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 Citizenship / Residence Country Codes)
BirthCountryReason	O	String	2	Birth Country Reason (Value: 01 = U.S. - Born to Foreign Diplomat 02 = U.S. – Expatriated)	If the United States or a United States territory is the country of birth, the reason code must be provided. (See table entitled U.S. and U.S. Territories Birth Country Reason Codes)
Relationship	O	String	2	Relationship (Value: 01 = Spouse; 02 = Child)	Dependent's relationship to the exchange visitor. Regulations permit only one spouse to accompany exchange visitor 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 related to the dependent edit request.
EndStatus	O (Choice)	Structure		End the status for a dependent	Structure used to end the status for a dependent. If structure is used, elements identified with "R*" must be provided.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N0123456789)	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	End Status reason code	The reason the dependent's status is ending. Two-digit code associated with the reason the dependent is ending status must be provided. (See table entitled Dependent Completion Types)
OtherRemarks	O	String	500	Explanation for selecting “OTHER” as the end reason.	Text field for providing the explanation why “OTHER” was used as the reason for ending the dependent's status.
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)	Struture		Reprint Dependent DS-2019	Structure used to request reprint for a dependent. If structure is used, elements identified with "R*" must be provided.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N0123456789)	SEVIS ID of dependent record being updated.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF document is returned with SEVIS Batch download.
Reason	R*	String	2	Reprint Request Reason Codes	Program Sponsor must identify the reason for requesting the reprint. (See table entitled Exchange Visitor Reprint Codes)
OtherRemarks	O	String	500	Explanation for selecting “OTHER” as a reason for reprinting a dependent DS-2019.	Text field for providing an explanation for why “OTHER” was used as the reason for reprinting dependent DS-2019.
Remarks	O	String	500	Remarks	Text field for recording general remarks related the dependent 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
Terminate	O (Choice)	Structure		Terminate dependent	Structure used to terminate a dependent, e.g., dependent has violated program regulations. If structure is used, elements identified with "R*" must be provided.
(dependentSevisID)	R*	String	11	Dependent SEVIS ID (Format: Alpha/Numeric, N0123456789)	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 Dependent Termination Codes)
EffectiveDate	R*	Date	10	Effective date of terminate (Format: yyyy-MM-dd)	The effective date that the dependent is being terminated.
OtherRemarks	O	String	500	Explanation for selecting "OTHER" as a reason for terminating a dependent DS-2019.	Text field for providing an explanation for why "OTHER" was used as the reason for terminating dependent DS-2019.
Remarks	O	String	500	Remarks	Text field for recording general remarks related to the dependent termination request.
FinancialInfo	O (Choice)	Structure		Update financial information	Structure used to provide updated information related to financial support available to the exchange visitor. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF document is returned with SEVIS 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
ReceivedUSGovtFunds	O	Boolean	1	Indication of receipt of U.S. Government funds (Value: 1 or true; 0 or false)	Indication that exchange visitor has received funding from the U.S. Government.
ProgramSponsorFunds	O	String	8	Program Sponsor funds (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Amount of financial support being provided by the Program Sponsor.
OtherFunds	O	Structure		Other financial support	Structure used to identify funding received from other organizations.
USGovt	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.
Org1	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. When USGovt/Org1 is updated, USGovt/OtherName1 and USGovt/Amount1 are required. (See table entitled U.S. Government Agency Codes)
OtherName1	O	String	60	Other U.S. Government organization name 1	Name of Other U.S. Government organization when code for 'Other' is selected in USGovt/Org1. NOTE: An empty tag should be sent if the value for USGovt/Org1 is not 'Other'.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Amount1	O	String	8	U.S. Government organization amount (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the U.S. Government organization identified in the element USGovt/Org1. If an organization is provided in the element USGovt/Org1, an amount must be provided.
Org2	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. When USGovt/Org2 is updated, USGovt/OtherName2 and USGovt/Amount2 are required. (See table entitled U.S. Government Agency Codes)
OtherName2	O	String	60	Other U.S. Government organization name 2	Name of Other U.S. Government organization when code for 'Other' is selected in USGovt/Org2. NOTE: An empty tag should be sent if the value for USGovt/Org2 is not 'Other'.
Amount2	O	String	8	U.S. Government organization funding amount (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the U.S. Government organization identified in the element USGovt/Org2. If an organization is provided in the element USGovt/Org2, an amount 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
International	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.
Org1	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. When International/Org1 is updated, International/OtherName1 and International/Amount1 are required. (See table entitled International Organization Codes)
OtherName1	O	String	60	Other International organization name 1	Name of International organization when code for 'Other' is selected in International/Org1. NOTE: An empty tag should be sent if the value for International/Org1 is not 'Other'.
Amount1	O	String	8	International organization funding amount (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the international organization identified in the element International/Org1. If an organization is provided in the element International/Org1, an amount 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
Org2	O	String	6	International organization 2	International organization that is providing funding to the exchange visitor. Code associated with the granting organization must be provided. When International/Org2 is updated, International/OtherName2 and International/Amount2 are required. (See table entitled International Organization Codes)
OtherName2	O	String	60	Other International organization name 2	Name of International organization when code for 'Other' is selected in International/Org2. NOTE: An empty tag should be sent if the value for International/Org2 is not 'Other'.
Amount2	O	String	8	International organization funding amount (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Amount of funding being provided by the international organization identified in the element International/Org2. If an organization is provided in the element International/Org2, an amount must be provided.
EVGovt	O	String	8	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.
BinationalCommission	O	String	8	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.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Other	O	Structure		Other organization funding	Structure used to identify funding received from other organizations. Structure is optional and all elements within structure are required.
Name	R*	String	60	Other organization name	Name of Other organization
Amount	R*	String	8	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.
Personal	O	String	8	Personal funds (Format: U.S. dollars, integer only, no dollar signs, decimals, or commas)	Total amount of personal funds available to the exchange visitor.
Program	O (Choice)	Structure		Program events	Structure used for providing updates associated with an exchange visitor's program information. This structure is a mutually exclusive choice. Use the structure/element associated with the type of update being performed.
Amend	O (Choice)	Structure		Amend program	Structure used to provide information related to an amendment to the exchange visitor's program. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF document is returned with SEVIS 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
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 greater than or equal to the date the Batch request is processed.
PrgEndDate	R*	Date	10	Program End Date (Format: yyyy-MM-dd)	Date the exchange visitor's program will be completed. Program End Date must be greater than the Program Start Date. (See table entitled Department of State Maximum and Mimimum Duration of Stay Rules)
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. 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 document is returned with SEVIS 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)

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
SubjectFieldRemarks	R*	String	500	Update subject field code description	Text field for providing remarks explaining the subject or field of study.
ForeignDegreeLevel	O	String	100	Update foreign degree level	Text field for providing remarks explaining foreign degree level. This is a required field if the EV's category is Student Intern.
ForeignFieldOfStudy	O	String	100	Update foreign field of study	Text field for providing remarks explaining the foreign field of study. This is a required field if the EV's category is Student Intern.
Remarks	R*	String	500	Remarks	Text field for providing general remarks related to the subject or field of study.
Extension	O (Choice)	Structure		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. If structure is used, elements identified with "R*" must be provided. (See table entitled Department of State Maximum and Minimum Duration of Stay Rules.)
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF document is returned with SEVIS 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. Date must be greater than exchange visitor's original 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
Remarks	O	String	500	Extend program remarks	Text field for providing remarks related to the extension of the exchange visitor's program.
Matriculate	O (Choice)	Structure		Matriculation of exchange visitor	Structure used to provide information on the matriculation of an exchange visitor's program. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF document is returned with SEVIS Batch download.
NewPrgEndDate	R*	Date	10	New program end date (Format: yyyy-MM-dd)	New program end date. Date must be greater than the exchange visitor's previous program end date.
MatriculationCode	R*	String	2	Matriculation code	The code associated with the matriculation type for the exchange visitor. Two-digit code associated with matriculation type must be provided. (See table entitled Matriculation Codes)
Shorten	O (Choice)	Structure		Shorten program	Structure used to shorten program before the program end date. If structure is used, elements identified with "R*" must be provided. (See table entitled Department of State Maximum and Minimum Duration of Stay Rules.)
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF document is returned with SEVIS 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
NewPrgEndDate	R*	Date	10	New program end date (Format: yyyy-MM-dd)	The new date that the exchange visitor's program will end. Date must be greather than existing Program Start Date.
Remarks	R*	String	500	Shorten program remarks	Text field for providing remarks related to the exchange visitor's shortened program.
Reprint	O (Choice)	Structure		Reprint Form DS-2019	Structure used to request a reprint of the exchange visitor's Form DS-2019. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF document is returned with SEVIS Batch download.
Reason	R*	String	2	Reason Code for reprint (Value: 05 = Other 12 = Lost 13 = Damaged 14 = Stolen)	Program Sponsor must identify the reason for requesting the reprint. Two-digit code associated with the reprint reason must be provided. (See table entitled Exchange Visitor Reprint Codes)
OtherRemarks	O	String	500	Explanation for selecting "OTHER" as a reason for reprinting a DS-2019.	Text field for providing an explanation for why "OTHER" was selected as the reason for reprinting the DS-2019.
Remarks	O	String	500	Remarks	Text field for providing remarks related to the reprint request.
SiteOfActivity	O (Choice)	Structure		Site of Activity Events	Structure used to update a site of activity list of exchange visitor. 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
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. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF document is returned with SEVIS Batch download.
Address1	R*	String	60	Address line 1	First line of street address for site of activity.
Address2	O	String	60	Address line 2	Second line of street address for site of activity.
City	R*	String	60	City	City for site of activity address.
State	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)
PostalCode	R*	String	5	Zip code	Zip code for site of activity address.
PostalRoutingCode	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.
PrimarySite	R*	Boolean	1	Primary Site Of Activity (Value: 1 or true; 0 or false)	Indicator used to determine the site of activity that will be printed on the DS-2019. If the PrimarySite is not specified, the first site of active added will be the primary 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. If structure is used, elements identified with "R*" must be provided. The delete action may only be performed on exchange visitor records in Initial status.
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.
Edit	O (Choice)	Structure		Edit existing site of activity	Structure used to provide information on site of activity being updated. If structure is used, elements identified with "R*" must be provided.
(printForm)	R*	Boolean	1	Print request indicator (Value: 1 or true; 0 or false)	Indicator used to request that DS-2019 in PDF document is returned with SEVIS Batch download.
Address1	R*	String	60	Address line 1	First line of street address for site of activity.
Address2	O	String	60	Address line 2	Second line of street address for site of activity.
City	R*	String	60	City	City for site of activity address.
State	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)
PostalCode	R*	String	5	Zip code	Zip code 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
PostalRoutingCode	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 match the existing site of acitvity being edited.
NewSiteName	O	String	60	New site of activity name	The text field for providing a new site of activity name, e.g., Thunderbird Ranch Summer Camp.
PrimarySite	O	Boolean	1	Primary Site Of Activity (Value: 1 or true; 0 or false)	Indicator used to determine the site of activity that will be printed on the DS-2019. The selection of a new primary site of activity will set the previous primary site of activity to a non-primary site of activity
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 exchange visitor. This structure is a mutually exclusive choice. Use the structure/element associated with the reason the exchange visitor's status is being changed. 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. 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
InfractionType	R*	String	3	Infraction type	Type of infraction being corrected. Three-digit code associated with infraction type must be provided. (See table entitled Infraction Codes)
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	500	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. If structure is used, elements identified with "R*" must be provided.
Reason	R*	String	4	End program reason code (Format: Alpha only, ABCDEF)	The reason the exchange visitor's program has ended. The code associated with reason for ending program must be used. (See table entitled End Program Reason Codes)
EffectiveDate	R*	Date	10	End status date (Format: yyyy-MM-dd)	The date the program is ending. Date may be less than the date the Batch request is processed and must be less than the previously entered program end date.
Remarks	O	String	500	Remarks for end program	Text field for providing remarks related to the end program request.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Invalid	O (Choice)	Structure		Set exchange visitor status to Invalid	Structure used to request an exchange visitor record to be marked as invalid. The Invalid option is only available for exchange visitor records in Initial status. If structure is used, elements identified with "R*" must be provided.
Remarks	R*	String	500	Remarks setting invalid status	Text field for providing remarks related to setting an exchange visitor to invalid status.
NoShow	O (Choice)	Structure	0	Change status of exchange visitor to No Show	Set an exchange visitor to a No Show status. No value is needed; an empty tag will set exchange visitor's record to No Show status.
Terminate	O (Choice)	Structure		Terminate exchange visitor	Structure used to request termination of exchange visitor. If structure is used, elements identified with "R*" must be provided.
Reason	R*	String	6	Reason for termination (Format: Alpha only, ABCDEF)	The reason the exchange visitor is being terminated. The 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.
OtherRemarks	O	String	500	Remarks	Text field to provide explanation of termination when "OTHER" is provided as the termination reason.
Remarks	O	String	500	Remarks for termination	Text field for providing remarks related to the termination request.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules
Validate	O (Choice)	Structure		Validate participant	Structure used to validate the exchange visitor's participation in the program. If structure is used, elements identified with "R*" must be provided.
USAddress	R*	Structure		Current US address information	Structure used to provide exchange visitor's current U.S. address.
Address1	R*	String	60	Address line 1	First line of street address for exchange visitor's current U.S. address.
Address2	O	String	60	Address line 2	Second line of street address for exchange visitor's current U.S. address.
City	R*	String	60	City	City for exchange visitor's current U.S. address
State	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)
PostalCode	R*	String	5	Zip code	Zip code for exchange visitor's current U.S. address.
PostalRoutingCode	O	String	4	Postal routing code	Four-digit postal routing code 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
TravelInfo	O	Structure		Passport, Visa, and Port of Entry information	Structure used to provide information relating to the exchange visitor's passport, visa, and the port through which the exchange visitor entered the U.S. Structure is optional and all elements related to TravelInfo are optional. NOTE: If passport, visa, or port of entry information was received through a SEVIS Interface to another DHS system, any data provided in this structure will be ignored. No error message will be provided.
PassportNumber	O	String	25	Passport number	Passport number for exchange visitor.
PassportIssuingCntry	O	String	2	Passport issuing country	Issuing country for exchange visitor's passport. Two-digit code associated with country must be provided. (See table entitled Passport Issuing Country Codes)
PassportExpDate	O	Date	10	Passport expiration date (Format: yyyy-MM-dd)	Expiration date for exchange visitor’s passport.
VisaNumber	O	String	25	Visa number	Number of visa granted to exchange visitor by the U.S. Consulate.
VisaIssuingCntry	O	String	3	Visa issuing country	U.S. Consular Office (Post) or country where visa was issued. Three-digit code associated with the U.S. 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
VisaIssueDate	O	Date	10	Visa issuance date (Format: yyyy-MM-dd)	Issuance date for exchange visitor's visa.
VisaExpDate	O	Date	10	Visa expiration date (Format: yyyy-MM-dd)	Expiration date for exchange visitor's visa.
AdmissionNumber	O	String	11	Admission number	I-94 Admission number issued to exchange visitor at U.S. port of entry.
PortOfEntry	O	String	3	Port of entry	Code associated with the port of entry through which the exchange visitor entered the U.S. Three-digit code associated with port of entry must be provided. (See table entitled Port of Entry Codes)
DateOfEntry	O	Date	10	Date of entry (Format: yyyy-MM-dd)	Date exchange visitor entered the U.S.

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 document, 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 the same for both Student and Exchange Visitor BatchHeader and uses the same complex type element defined in common.xsd.
BatchID	R	String	14	SEVIS Batch ID	Identification number provided in the uploaded XML document. If XML is not well-formed or SEVIS Batch ID is unretrievable and the value is set to <blank>.
OrgID	R	String	15	Program Number: (Format: P-#-##### or G-#-##### School Code: AAA214F########)	SEVIS program number or school code assigned to the organization that submitted the upload. If XML is not well-formed or organization ID is unretrievable and the value is set to <blank>.
BatchDetail	R	Structure		All available detail on submitted XML	Structure used to report the progress and results of upload, process, and/or download.

Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)]	Required/ Optional	Data Field Type	Data Length	Data Definition	Business Rules

(status)	R	Boolean	1	Final disposition	The status attribute is set to true if there are no errors associated with this SEVIS Batch submittal in its current state. The status of each step of the submittal is contained in the node's status attribute:
					`<Upload status="true|false">`
					`<Process status="true|false">`
					`<Download status="true|false">`
					All available attributes are combined to form the BatchHeader status.

(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		Document upload result	Structure used to report the results of the document 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 document 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 11, Date Time Stamp Format for Transaction Logs, for an explanation of the elements of the date time stamp.)
FileName	R	String	30	Uploaded document name	Uploaded document name.
Process	O	Structure		XML document 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) document has not yet been processed or 2) the document 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 b y SEVIS. (See Exhibit 11, 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, N0123456789)	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 document.
(userID)	R	Attribute	10	SEVIS User ID	SEVIS user ID of the authorized offical 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 (Format: Alphanumeric, variable length)	A text field for recording any code used by the organization to identify the student or exchange visitor, e.g., ID number or document number.
UserDefinedB	O	String	14	User defined field B (Format: Alphanumeric, variable length)	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 11, 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 (Value: 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, N0123456789)	SEVIS ID of dependent record processed.
UserDefinedA	O	String	10	User defined field A (Format: Alphanumeric, variable length)	A text field for recording any code used by the organization to identify the dependent, e.g., ID number or document number.
UserDefinedB	O	String	14	User defined field B (Format: Alphanumeric, variable length)	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 document 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 document processed for this OrgID and BatchID (pass or fail); otherwise, resultCode contains the appropriate result or error code.

Exhibit E-1: 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