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

*December 8, 2008*

Homeland Security

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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.

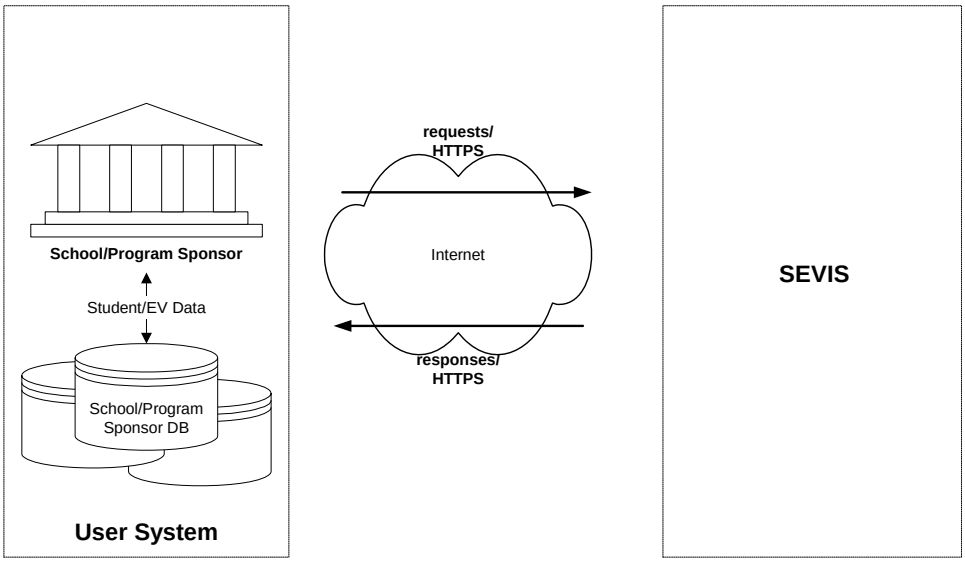
SEVIS will validate the uploaded XML document, process the records in the document, and create a compressed document for later retrieval by the user systems. The compressed document will include the following:

- 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:

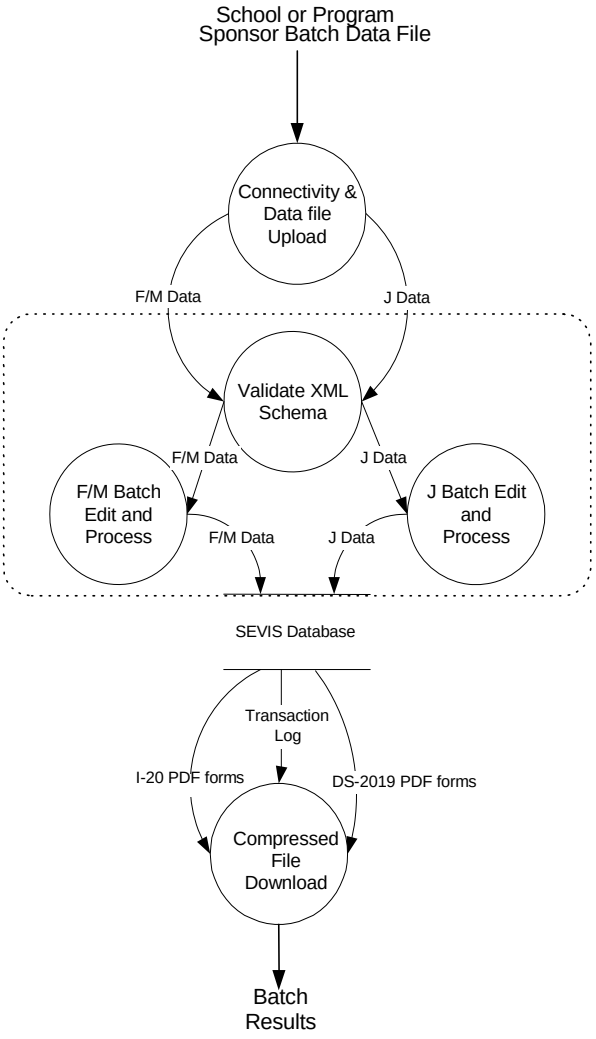
- Laser-quality printer (minimum resolution of 600x600 dpi) (required for successful printing of PDF forms)
- Class 1 Digital certificate by a recognize certificate authority, example VeriSign, Inc.
- School or program sponsor's own hardware and software
- Internet access

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**

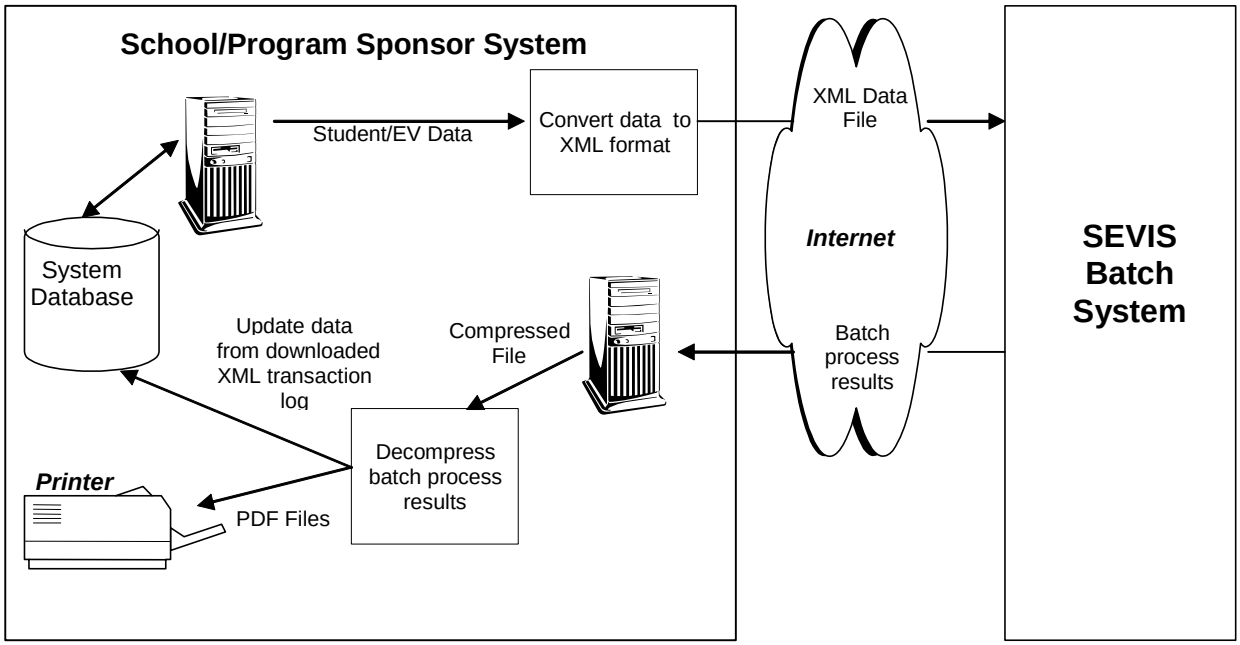



Exhibit 4, SEVIS Batch Interface Data Transfers, summarize the types of data documents, their format, and data transfer method.

**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<br>ACTIVE | Yes | Yes | Yes | No |
| Dependent – Cancel | INITIAL<br>(Dependent Status: INITIAL) | Yes | Yes | No | No |
| Dependent – Edit | INITIAL<br>ACTIVE<br>(Dependent Status: INITIAL, ACTIVE) | Yes | Yes | Yes | No |
| Dependent – Reactivate | INITIAL<br>ACTIVE<br>(Dependent Status: TERMINATED) | Yes | No*** | Yes | No |
| Dependent – Reprint | INITIAL<br>ACTIVE<br>(Dependent Status: INITIAL, ACTIVE) | Yes<br>(Print) | Yes | Yes | No |
| Dependent – Terminate | INITIAL<br>ACTIVE<br>(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<br>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<br>ACTIVE | Yes | Yes | Yes | No |
| Program – Cancel Extension | ACTIVE | Yes (M-1)<br>No (F-1) | Yes (M-1)<br>No (F-1) | Yes | No |
| Program – Defer Attendance | INITIAL | Yes | Yes | Yes | No |
| Program – Edit | INITIAL<br>ACTIVE | Yes | Yes | Yes | No |
| Program – Extension | ACTIVE | Yes | Yes | Yes | Yes (M-1)<br>No (F-1) |
| Program – Shorten | ACTIVE | Yes | Yes | Yes | No |
| Registration | INITIAL<br>ACTIVE | Yes | Yes | Yes | No |
| Reinstatement - Request | COMPLETED<br>TERMINATED | Yes | No | N/A | Yes |
| Reinstatement – Cancel | N/A | Yes | No | N/A | Yes |
| Reprint | INITIAL<br>ACTIVE | Yes | Yes | Yes | No |
| Request – CapGapExtension* | 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<br>ACTIVE | Yes | Yes | No | No |
| Status – Verify | ACTIVE | Yes | Yes | No | No |
| Transfer | ACTIVE<br>COMPLETED<br>TERMINATED | Yes | No | N/A | Yes (M-1)<br>No (F-1) |
| Transfer – Cancel | ACTIVE<br>COMPLETED<br>TERMINATED | Yes | No | N/A | Yes (M-1)<br>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<br>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<br>ACTIVE | Yes | Yes | Yes | No |
| Dependent – Delete | INITIAL<br>(Dependent Status: INITIAL) | Yes | Yes | No | No |
| Dependent – Edit | INITIAL<br>ACTIVE<br>(Dependent Status: INITIAL, ACTIVE) | Yes | Yes | Yes | No |
| Dependent – EndStatus | ACTIVE<br>(Dependent Status: ACTIVE) | Yes | Yes | No | No |
| Dependent – Invalid | INITIAL<br>(Dependent Status: INITIAL) | Yes | No | N/A | No |
| Dependent – No Show | INITIAL<br>(Dependent Status: INITIAL) | Yes | No | N/A | No |
| Dependent – Reprint | INITIAL<br>ACTIVE<br>(Dependent Status: INITIAL, ACTIVE) | Yes | Yes* | Yes | No |
| Dependent – Terminate | ACTIVE<br>(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<br>ACTIVE | Yes | Yes | Yes | No |
| Program – Amend | INITIAL | Yes | Yes | Yes | No |
| Program – EditSubject | INITIAL<br>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<br>ACTIVE** | Yes | Yes* | Yes | No |
| SiteOfActivity – Add | INITIAL<br>ACTIVE | Yes | Yes | Yes | No |
| SiteOfActivity – Delete | INITIAL | Yes | Yes | No | No |
| SiteOfActivity – Edit | INITIAL<br>ACTIVE | Yes | Yes | Yes | No |
| Status – CorrectInfraction | INACTIVE<br>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<br>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 a 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) |
| Secondary Major and Codes for Students | ProgSubjectCodeStudentType | List of secondary major, minor, and subject/field codes for student and exchange visitors respectively |
| 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 |
| 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 |

| Table | Table Name (from SEVISTable.xsd) | Description |
|---|---|---|
| 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. |
| 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.) |
| 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 |
| Primary Major Codes for Students and Subject/Field Codes for Exchange Visitors | ProgSubjectCodeType | List of primary major and subject/field codes for student and exchange visitors respectively |
| 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 |

| Table | Table Name (from SEVISTable.xsd) | Description |
|---|---|---|
| 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 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

## APPENDIX A – ACRONYMS AND ABBREVIATIONS

| | |
|---|---|
| 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 |
| IIRIRA | Illegal Immigration Reform and Immigrant Responsibility Act |
| 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 |
| S1136 | CPT start date may not be prior to program start date |
| S1137 | OPT start date may not be prior to program start date |
| S1138 | Education secondary major and minor are required for student of this visa type |

## 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 |

| Code | Description |
|---|---|
| S2133 | Birthdate cannot be in the future |
| S2141 | Exchange visitor exists in the SEVIS database |
| S2151 | [fund element] cannot be less than 1.00 |
| 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

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

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

| **Data Elements and Attributes**<br>[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**<br>[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<br>(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.<br>(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<br>(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<br>(Value: Jr., Sr., I, II, III, IV) | Name suffix for student, e.g., Jr., III<br>(See table entitled Name Suffix Codes) |
| BirthDate | R* | Date | 10 | Birth date<br>(Format: yyyy-MM-dd) | Birth date of student. |

| **Data Elements and Attributes**<br>[Attributes are shown in parentheses, e.g., (userID)] | **Required/ Optional** | **Data Field Type** | **Data Length** | **Data Definition** | **Business Rules** |
|---|---|---|---|---|---|
| Gender | R* | String | 1 | Gender<br>(Value: M = Male, F = Female, or U = Unknown) | Student's gender. A value is available to indicate the student's gender is unknown.<br>(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.<br>(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.<br>(See table entitled Citizenship Country Codes) |
| Commuter | O | Boolean | 1 | Commuter student<br>(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<br>(Value: 01 = F-1; 02 = M-1) | Visa classification assigned to student. Code associated with the visa type must be provided.<br>(See table entitled Visa Type Codes) |
| **IssueReason** | R* | String | | Initial student<br>(Value:<br>I = Initial Attendance<br>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.<br>(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<br>[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<br>(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.<br>(See table entitled State Codes) |
| SSN | O | String | 9 | Social Security Number<br>(Format: Numeric only, no dashes, e.g., 123456789) | Student's Social Security Number. |
| TaxID | O | String | 9 | Tax payer ID<br>(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.<br>(See table entitled State Codes) |
| PostalCode | R* | String | 5 | Zip code | Zip code for student's U.S. address. |

| **Data Elements and Attributes**<br>[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.<br>(See table entitled Citizenship / Residence Country Codes) |
| PostalCode | O | String | 20 | Postal code<br>(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.<br>(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<br>[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<br>(Format: 12.1234)<br>(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.<br>(See table entitled Primary Major Codes for Students and Subject/Field Codes for Exchange Visitors) |
| SecondMajor | O | String | 7 | Secondary major code<br>(Format: 12.1234)<br>(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.<br>(See table entitled Secondary Major and Minor Codes for Students) |
| Minor | O | String | 7 | Minor code<br>(Format: 12.1234)<br>(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.<br>(See table entitled Secondary Major and Minor Codes for Students) |
| 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<br>(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<br>(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?<br>(Value: 1 or true; 0 or false) | Indicator that school does or does not require English proficiency. |

| Data Elements and Attributes<br>[Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| RequirementsMet | O | Boolean | 1 | English proficiency requirements met?<br>(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<br>(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<br>(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<br>(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<br>[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<br>(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).<br>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<br>(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<br>(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<br>(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<br>[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<br>(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<br>(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<br>(Value: Jr., Sr., I, II, III, IV) | Name suffix for dependent, e.g., Jr.<br>(See table entitled Name Suffix Codes) |

| **Data Elements and Attributes**<br>[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<br>(Format: yyyy-MM-dd) | Dependent's birth date |
| Gender | R* | String | 1 | Gender<br>(Value: M = Male, F = Female, or U = Unknown) | Dependent's gender. A value is available to indicate the dependent's gender is unknown.<br>(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.<br>(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.<br>(See table entitled Citizenship / Residence Country Codes) |
| VisaType | R* | String | 2 | Visa type<br>(Value:<br>04 = F-2<br>05 = M-2) | Visa classification assigned to dependent. Code associated with the visa type must be provided.<br>(See table entitled Visa Type Codes) |
| Relationship | R* | String | 2 | Relationship<br>(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.<br>(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<br>(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<br>[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<br>(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<br>(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**<br>[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.<br>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.<br>Thereafter, in order to identify which of the two student records should be updated, the status code is necessary.<br>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<br>(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<br>(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.<br>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**<br>[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<br>(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.<br>(See table entitled Drop Below Full Time Reason Codes) |
| StartDate | R* | Date | 10 | Authorization start date<br>(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<br>(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<br>[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<br>(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.<br>(See table entitled Drop Below Full Time Reason Codes) |
| StartDate | R* | Date | 10 | Authorization end date<br>(Format: yyyy-MM-dd) | Start date for drop below full course authorization that is being canceled. |
| EndDate | R* | Date | 10 | Authorization end date<br>(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<br>(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.<br>(See table entitled Drop Below Full Time Reason Codes) |

| **Data Elements and Attributes**<br>[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.<br>(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<br>[Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| **CPTEmployment** | O<br>(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<br>(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<br>(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<br>(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<br>(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<br>(Value:<br>01 = Full Time;<br>02 = Part Time) | Code indicating full-time or part-time employment. Two-digit code associated with employment type must be used.<br>(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. |

| **Data Elements and Attributes**<br>[Attributes are shown in parentheses, e.g., (userID)] | **Required/ Optional** | **Data Field Type** | **Data Length** | **Data Definition** | **Business Rules** |
|---|---|---|---|---|---|
| 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.<br>(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<br>(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<br>(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<br>(Format: yyyy-MM-dd) | Start date for CPT employment segement being canceled. |
| EndDate | R* | Date | 10 | Employment end date<br>(Format: yyyy-MM-dd) | End date for CPT employment segement being canceled. |

| Data Elements and Attributes<br>[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<br>(Value:<br>01 = Full Time;<br>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.<br>(See table entitled Employment Time Codes) |
| EmployerName | R* | String | 100 | Employer name | Name of the CPT employer. |
| **Dependent** | O<br>(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<br>(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<br>(Format: Alphanumeric, variable length) | A second field for recording any code used by the school. |
| **Add** | O<br>(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<br>(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**<br>[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<br>(Value: Jr., Sr., I, II, III, IV) | Name suffix for dependent.<br>(See table entitled Name Suffix Codes) |
| BirthDate | R* | Date | 10 | Birth date<br>(Format: yyyy-MM-dd) | Dependent's birth date |
| Gender | R* | String | 1 | Gender<br>(Value: M = Male, F = Female, or U = Unknown) | Dependent's gender. A value is available if the dependent's gender is unknown.<br>(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.<br>(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.<br>(See table entitled Citizenship / Residence Country Codes) |
| VisaType | R* | String | 2 | Visa type<br>(Value:<br>04 = F-2;<br>05 = M-2) | Visa classification assigned to dependent. Code associated with the visa type must be provided.<br>(See table entitled Visa Type Codes) |
| Relationship | R* | String | 2 | Relationship<br>(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.<br>(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<br>[Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| **Cancel** | O<br>(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<br>(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.<br>(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<br>(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<br>(Format: Alpha/Numeric, N0123456789) | SEVIS ID of dependent record being edited. |
| (printForm) | R* | Boolean | 1 | Print request indicator<br>(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<br>(Value: Jr., Sr., I, II, III, IV) | Name suffix for dependent.<br>(See table entitled Name Suffix Codes) |

| **Data Elements and Attributes**<br>[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<br>(Format: yyyy-MM-dd) | Dependent's birth date |
| Gender | O | String | 1 | Gender<br>(Value: M = Male, F = Female, or U = Unknown) | Dependent's gender. A value is available if the dependent's gender is unknown.<br>(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.<br>(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.<br>(See table entitled Citizenship / Residence Country Codes) |
| Relationship | O | String | 2 | Relationship<br>(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.<br>(See table entitled Dependent Type Codes) |
| Remarks | O | String | 500 | Remarks | Text field for recording general remarks about the dependent update request. |
| **Reactivate** | O<br>(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<br>(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**<br>[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<br>(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<br>(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<br>(Format: Alpha/Numeric, N0123456789) | SEVIS ID of dependent record for which the reprint is being requested. |
| (printForm) | O* | Boolean | 1 | Print request indicator<br>(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<br>(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<br>(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<br>[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<br>(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**<br>[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.<br>(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<br>(Format: 12.1234)<br>(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.<br>(See table entitled Primary Major Codes for Students and Subject/Field Codes for Exchange Visitors) |
| SecondMajor | O | String | 7 | Secondary major code<br>(Format: 12.1234)<br>(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.<br>(See table entitled Secondary Major and Minor Codes for Students) |
| Minor | O | String | 7 | Minor code<br>(Format: 12.1234)<br>(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.<br>(See table entitled Secondary Major and /Minor Codes for Students) |
| 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**<br>[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<br>(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<br>(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?<br>(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?<br>(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<br>(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**<br>[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<br>(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<br>(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<br>(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).<br>*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<br>(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<br>(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<br>[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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(Format: Numeric only) | Number of months that student will attend courses during the academic term. |

| Data Elements and Attributes<br>[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<br>(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<br>(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<br>(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).<br>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<br>(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**<br>[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<br>(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<br>(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<br>(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<br>(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<br>[Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| **OffCampusEmployment** | O<br>(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<br>(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<br>(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<br>(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<br>(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<br>(Value:<br>01 = Economic hardship;<br>02 = International Organization;<br>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<br>(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<br>[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<br>(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<br>(Format: yyyy-MM-dd) | Start date for the OCE segment being canceled. |
| EndDate | R* | Date | 10 | Off-campus employment end date<br>(Format: yyyy-MM-dd) | End date for the OCE segment being canceled. |
| EmploymentType | R* | String | 2 | Type of off-campus employment<br>(Value:<br>01 = Economic hardship;<br>02 = International Organization;<br>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.<br>(See table entitled Off-Campus Employment Reason Codes) |
| **Edit** | O<br>(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<br>(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<br>(Format: yyyy-MM-dd) | Start date of the OCE segment being edited. |
| EndDate | R* | Date | 10 | Off-campus employment end date<br>(Format: yyyy-MM-dd) | End date of the OCE segment being edited. |
| EmploymentType | R* | String | 2 | Type of off-campus employment<br>(Value:<br>01 = Economic hardship;<br>02 = International Organization;<br>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.<br>(See table entitled Off-Campus Employment Reason Codes) |

| Data Elements and Attributes<br>[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<br>(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<br>(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<br>(Value:<br>01 = Economic hardship;<br>02 = International Organization;<br>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.<br>(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<br>(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<br>(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<br>(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<br>(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<br>(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**<br>[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<br>(Value:<br>01 = Full Time<br>02 = Part Time) | Code indicating full-time or part-time employment. Two-digit code associated with employment type must be used.<br>(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.<br>(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<br>(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<br>[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:<br>01 = Pre-Completion<br>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.<br>(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<br>(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<br>(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<br>(Format: yyyy-MM-dd) | Start date of OPT segment being canceled. |
| EndDate | R* | Date | 10 | Employment end date<br>(Format: yyyy-MM-dd) | End date of OPT segment being canceled. |
| FullPartTimeIndicator | R* | Boolean | 2 | Employment time<br>(Value:<br>01 = Full Time<br>02 = Part Time) | Code indicating full-time or part-time employment. Two-digit code associated with employment type being canceled must be used.<br>(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**<br>[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<br>(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<br>(Format: yyyy-MM-dd) | Start date of OPT segment being edited. |
| EndDate | R* | Date | 10 | Employment end date<br>(Format: yyyy-MM-dd) | End date of OPT segment being edited. |
| FullPartTimeIndicator | R* | Boolean | 2 | Employment time<br>(Value:<br>01 = Full Time<br>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.<br>(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<br>(Format: yyyy-MM-dd) | New start date that student is rquesting to begin OPT employment |
| NewEndDate | O | Date | 10 | Employment end date<br>(Format: yyyy-MM-dd) | New end date that student is rquesting to end OPT employment |
| NewFullPartTimeIndicator | O | Boolean | 2 | Employment time<br>(Value:<br>01 = Full Time<br>02 = Part Time) | Code indicating full-time or part-time employment.<br>(See table entitled Employment Time Codes) |

| Data Elements and Attributes<br>[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.<br>(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<br>(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<br>(Value:<br>01 = Pre-Completion<br>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.<br>(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<br>[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<br>(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<br>(Format: yyyy-MM-dd) | Start date of OPT segment being extended. |
| EndDate | R* | Date | 10 | Employment end date<br>(Format: yyyy-MM-dd) | End date of OPT segment being extended. |
| FullPartTimeIndicator | R* | Boolean | 2 | Employment time<br>(Value:<br>01 = Full Time<br>02 = Part Time) | Code indicating full-time or part-time employment. Two-digit code associated with employment type being edited must be used.<br>(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**<br>[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.<br>(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<br>(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<br>(Format: yyyy-MM-dd) | Start date of OPT segment for which OPT participation is being reported. |
| EndDate | R* | Date | 10 | Employment end date<br>(Format: yyyy-MM-dd) | End date of OPT segment for which OPT participation is being reported. |
| FullPartTimeIndicator | R* | Boolean | 2 | Employment time<br>(Value:<br>01 = Full Time<br>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.<br>(See table entitled Employment Time Codes) |

| Data Elements and Attributes<br>[Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| **PersonalInfo** | O<br>(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<br>(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<br>(Value: Jr., Sr., I, II, III, IV) | Name suffix for student.<br>(See table entitled Name Suffix Codes) |
| BirthDate | O | Date | 10 | Birth date<br>(Format: yyyy-MM-dd) | Student's date of birth. |
| Gender | O | String | 1 | Gender<br>(Value: M = Male, F = Female, or U = Unknown) | Student's gender. A value is available to indicate the student's gender is unknown.<br>(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.<br>(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.<br>(See table entitled Citizenship / Residence Country Codes) |

| Data Elements and Attributes<br>[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.<br>(See table entitled State Codes) |
| SSN | O | String | 9 | Social Security Number<br>(Format: Numeric only, no dashes, e.g., 123456789) | Student's Social Security Number. |
| TaxID | O | String | 9 | Tax payer ID<br>(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**<br>[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.<br>(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.<br>(See table entitled Citizenship / Residence Country Codes) |
| PostalCode | O | String | 20 | Postal code<br>(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<br>(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<br>[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<br>(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<br>(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<br>(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<br>(Format: yyyy-MM-dd) | New date that student will start his/her program. |
| NewPrgEndDate | R* | Date | 10 | New program end date<br>(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<br>(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**<br>[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.<br>(See table entitled Education Level Codes) |
| PrimaryMajor | O* | String | 7 | New primary major code<br>(Format: 12.1234)<br>(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.<br>(See table entitled Primary Major Codes for Students and Subject/Field Codes for Exchange Visitors) |
| SecondMajor | O | String | 7 | New secondary major code<br>(Format: 12.1234)<br>(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.<br>(See table entitled Secondary Major and Minor Codes for Students) |
| Minor | O | String | 7 | New minor code<br>(Format: 12.1234)<br>(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.<br>(See table entitled Secondary Major and Minor Codes for Students) |
| 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. |
| EngRequired | R* | Boolean | 1 | English proficiency required?<br>(Format: 1 or true; 0 or false) | Indicator that school does or does not require English proficiency. |

| Data Elements and Attributes<br>[Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| RequirementsMet | O | Boolean | 1 | English proficiency requirements met?<br>(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<br>(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<br>(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<br>(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. |
| **Shorten** | O<br>(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. |

| **Data Elements and Attributes**<br>[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<br>(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<br>(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<br>(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<br>(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<br>(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<br>(Format: yyyy-MM-dd) | The end date for the student's current session. Must be greater than the date the Batch request is processed. |
| NextSessionStartDate | O | Date | 10 | Next Session start date<br>(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. |

| **Data Elements and Attributes**<br>[Attributes are shown in parentheses, e.g., (userID)] | **Required/ Optional** | **Data Field Type** | **Data Length** | **Data Definition** | **Business Rules** |
|---|---|---|---|---|---|
| Commuter | O | Boolean | 1 | Commuter student<br>(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, except 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.<br>(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. |

| **Data Elements and Attributes**<br>[Attributes are shown in parentheses, e.g., (userID)] | **Required/ Optional** | **Data Field Type** | **Data Length** | **Data Definition** | **Business Rules** |
|---|---|---|---|---|---|
| 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.<br>(See table entitled Citizenship / Residence Country Codes) |
| PostalCode | O | String | 20 | Postal code<br>(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.<br>(See table entitled Passport Issuing Country Codes) |
| PassportExpDate | O | Date | 10 | Passport expiration date<br>(Format: yyyy-MM-dd) | Expiration date for student's passport. |
| VisaNumber | O | String | 25 | Visa number | Number of visa granted to student by the U.S. Consulate. |

| Data Elements and Attributes<br>[Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| 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.<br>(See table entitled Visa Issuance Post Codes) |
| VisaIssueDate | O | Date | 10 | Visa issuance date<br>(Format: yyyy-MM-dd) | Issuance date for student's visa. |
| VisaExpDate | O | Date | 10 | Visa expiration date<br>(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.<br>(See table entitled Port of Entry Codes) |
| DateOfEntry | O | Date | 10 | Date of entry<br>(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<br>(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<br>(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.<br>(See table entitled Student Reprint Code) |
| Remarks | O | String | 500 | Remarks | Text field for providing remarks related to the reprint request. |

| Data Elements and Attributes<br>[Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| **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<br>(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<br>(Value: C – Canceled, F – Filed, T - Waitlisted) | Status of Cap-Gap Extension request.<br>(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<br>[Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| **Terminate** | O<br>(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<br>(Format: Numeric) | Reason student is being terminated. Two-digit code associated with termination reason must be provided.<br>(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<br>(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<br>[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<br>(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<br>[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<br>(Value: Jr., Sr., I, II, III, IV) | Name suffix for exchange visitor. (See table entitled Name Suffix Codes) |
| BirthDate | R* | Date | 10 | Birth date<br>(Format: yyyy-MM-dd) | Exchange visitor's date of birth. (See table entitled Exchange Visitor and Dependent Age Requirements.) |
| Gender | R* | String | 1 | Gender<br>(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 Primary Major 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<br>[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<br>(Value: Jr., Sr., I, II, III, IV) | Name suffix for dependent.<br>(See table entitled Name Suffix Codes) |
| BirthDate | R* | Date | 10 | Birth date<br>(Format: yyyy-MM-dd) | Dependent's birth date. Child dependents cannot be 21 or more years of age. |
| Gender | R* | String | 1 | Gender<br>(Value: M = Male, F = Female) | Dependent's gender.<br>(See table entitled Gender Codes)<br>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. |

| Data Elements and Attributes<br>[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 site of activity address. Two-digit code associated with the U.S. state must be used.<br>(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<br>(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<br>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<br>(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. |

| Data Elements and Attributes<br>[Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| (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. |
| (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.<br>NOTE: This tag can be ignored for updates to exchange visitors |
| UserDefinedA | O | String | 10 | User defined field A<br>(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<br>(Format: Alphanumeric, variable length) | A second field for recording any code used by the program sponsor to identify the exchange visitor. |
| **Biographical** | O<br>(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<br>(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. |

| Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| LastName | R* | String | 40 | Last name | 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 | 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) |

| Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| CitizenshipCountryCode | O | String | 2 | Country of citizenship | 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 | 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. |

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

| Data Elements and Attributes<br>[Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| **Add** | O<br>(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. |
| (printForm) | R* | Boolean | 1 | Print request indicator<br>(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<br>(Value: Jr., Sr., I, II, III, IV) | Name suffix for dependent.<br>(See table entitled Name Suffix Codes) |
| BirthDate | R* | Date | 10 | Birth date<br>(Format: yyyy-MM-dd) | Dependent's birth date |
| Gender | R* | String | 1 | Gender<br>(Value: M = Male, F = Female) | Dependent's gender. NOTE: Unknown is not acceptable for dependents of an exchange visitor.<br>(See table entitled Gender Codes) |
| BirthCity | R* | String | 200 | City of birth | City where dependent was born. |

| Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| BirthCountryCode | R* | String | 2 | Country of birth | Dependent's country of birth. Two-digit code associated with the dependent's country of birth must be provided. Codes are provided for countries that have changed names or no longer exist. 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 | 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) |

| 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 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) |
| 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. |

| 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 | 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. |
| 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) |

| Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| CitizenshipCountryCode | O | String | 2 | Country of citizenship | Dependent's country of citizenship. Two-digit code associated with the dependent's country of citizenship must be provided.<br>(See table entitled Citizenship / Residence Country Codes) |
| PermanentResidenceCountryCode | O | String | 2 | Permanent residence country | Dependent's country of legal permanent residence. Cannot be U.S. or U.S. Territory. Two-digit code associated with dependent's country of permanent residence must be provided.<br>(See table entitled Citizenship / Residence Country Codes) |
| BirthCountryReason | O | String | 2 | Birth Country Reason<br>(Value:<br>01 = U.S. - Born to Foreign Diplomat<br>02 = U.S. – Expatriated) | If the United States or a United States territory is the country of birth, the reason code must be provided.<br>(See table entitled U.S. and U.S. Territories Birth Country Reason Codes) |
| Relationship | O | String | 2 | Relationship<br>(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.<br>(See table entitled Dependent Type Codes) |
| Remarks | O | String | 500 | Remarks | Text field for recording general remarks related to the dependent edit request. |

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

| 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 | 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. |
| **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. |

| 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 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. |
| 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. |

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

| 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 | 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) |

| 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 | 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. |
| 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 |
| 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. |

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

| 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 | 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 Primary Major Codes for Students and Subject/Field Codes for Exchange Visitors) |
| 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.) |

| 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. |
| 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. |
| 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) |

| Data Elements and Attributes<br>[Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| **Shorten** | O<br>(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.<br>(See table entitled Department of State Maximum and Minimum Duration of Stay Rules.) |
| (printForm) | R* | Boolean | 1 | Print request indicator<br>(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<br>(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<br>(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<br>(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<br>(Value:<br>05 = Other<br>12 = Lost<br>13 = Damaged<br>14 = Stolen) | Program Sponsor must identify the reason for requesting the reprint. Two-digit code associated with the reprint reason must be provided.<br>(See table entitled Exchange Visitor Reprint Codes) |

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

| Data Elements and Attributes<br>[Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| 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<br>(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. |
| **Delete** | O<br>(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<br>(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<br>(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. |

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

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

| 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 | 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. |
| **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. |

| Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| Reason | R* | String | 6 | Reason for termination (Format: Alpha only, ABCDEF) | The reason the exchange visitor is being terminated. 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. |
| **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) |

| 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 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. |
| **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.<br>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.<br>(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. |

| Data Elements and Attributes [Attributes are shown in parentheses, e.g., (userID)] | Required/ Optional | Data Field Type | Data Length | Data Definition | Business Rules |
|---|---|---|---|---|---|
| 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 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.<br><br>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<br>[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:<br>`<Upload status="true\|false">`<br>`<Process status="true\|false">`<br>`<Download status="true\|false">`<br>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<br>(Format: yyyy-MM-ddThh:mm:ss.SSS-hh:mm) | Date and time upload request was processed by SEVIS.<br>(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. |

| Data Elements and Attributes<br>[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<br>(Format: Alphanumeric, variable length) | A second field for recording any code used by the organization to identify the dependent. |
| **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 |