Florida Automated System for Transferring

Educational Records

(FASTER)

SPEEDE/ExPRESS

Conversion Manual

Chapter 6:

SPEEDE/ExPRESS Outer Envelopes to FASTER Formats

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## CHAPTER 6

# Processing SPEEDE/ExPRESS Version 004010ED0040 Outer Envelopes ISA/IEA and GS/GE to Identify which 2011-2012 FASTER Formats will be Generated

This chapter details the processing and conversion of the outer envelopes of a SPEEDE/ExPRESS transaction. The ISA/IEA segments are the outermost envelope and contain addressing, timestamping, test/production status and inner envelope counts. The inner envelope GS/GE segments contain additional addressing, version identifiers, an indication of which transaction set is enclosed and transaction set counts.

The SPEEDE/ExPRESS source data is identified as to segment name and data element position within segment. FASTER target data elements are identified by their position within the I/S/P00 header Record Format.

Details of the mapping of the SPEEDE/ExPRESS transactions contained within the GS/GE envelope depend on the type of Transaction Set being sent. The inner transactions themselves are contained within yet another envelope demarcated by the ST/SE segments. The data contained in the GS01 mapping will indicate which additional chapters define specific mapping for the inner most ST/SE envelope.

## Interdistrict/Secondary/Postsecondary Header Record Conversion Specifics (I/S/P00) – Interchange Control Header

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| |  |  |  |  | | --- | --- | --- | --- | | **SPEEDE/ExPRESS Outer Envelopes** Provide addressing, timestamps and general purpose for the enclosed transactions. |  |  | **FASTER I/S/P00 Header Record Conversion Specifics** | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **ISA - Interchange Control Header** The ISA segment is the outermost envelope for a set of transactions and identifies the sender, the receiver and transmission times. |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | ISA01 - Authorization Information Qualifier -- ignored |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | ISA02 - Authorization Information -- ignored |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | ISA03 - Security Information Qualifier -- ignored |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | ISA04 - Security Information -- ignored |  |  |  | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | ISA05 - Interchange Sender ID Qualifier for ISA06   |  |  |  | | --- | --- | --- | |  | 21 = | Integrated Postsecondary Education Data System (IPEDS) | |  | 22 = | Federal Interagency Commission on Education (FICE) OR Office of Postsecondary Education Identifier (OPEID) | |  | 23 = | National Center for Education Statistics Common Core of Data 12-digit number for Pre-K-Grade 12 Institutes (NCES) | |  | 24 = | The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutions OR 6-digit Code for Secondary Institutions | |  | 25 = | American College Testing Program 4-Digit Code of Postsecondary Institutions (ACT) | |  | 35 = | Statistics Canada Canadian College Student Information System Institution Codes | |  | 36 = | Statistics Canada University Student Information System Institution Codes | |  | ZZ = | Mutually Defined | |  |  |  | |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  | |  |  | | --- | --- | | ISA06 - | Interchange Sender ID In combination with ISA05, ISA06 must be a valid SPEEDE/ExPRESS Trading Partner ID found on the internal National Participants Table. SPEEDE/ExPRESS ID's are controlled by the owning institution and could possibly identify the sender at the state or institution level. In such cases, the N1 segments are used to further identify the trading partner. | |  |  | I/S/P00 - Item 1 - Record Type Item 4 - Sending Institution Item 16b - SPEEDE/ExPRESS Institution ID | |  | Sent from Postsecondary Institution |  |  | |  |  | | --- | --- | | àItem 1 = | P00 - Postsecondary Transcript Transfer | | àItem 4 = | 00100020000 | | àItem 16b = | 15-character code retrieved from internal table (may be affected by N1 segment values) | | |  | Sent from K-12 Institution |  |  | |  |  | | --- | --- | | àItem 1 = | I00 - Interdistrict Record Transfer or S00 - Secondary to Postsecondary Transcript Transfer (depending on values in ISA07/ISA08) | | àItem 4 = | 00000990000 | | àItem 16b = | 15-character code retrieved from internal table (may be affected by N1 segment values) | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | ISA07 - Interchange Receiver ID Qualifier for ISA08   |  |  |  | | --- | --- | --- | |  | 21 = | Integrated Postsecondary Education Data System (IPEDS) | |  | 22 = | Federal Interagency Commission on Education (FICE) OR Office of Postsecondary Education Identifier (OPEID) | |  | 23 = | National Center for Education Statistics Common Core of Data 12-digitNnumber for Pre-K-Grade 12 Institutes (NCES) | |  | 24 = | The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutions OR 6-digit Code for Secondary Institutions | |  | 25 = | American College Testing Program 4-Digit Code of Postsecondary Institutions (ACT) | |  | 35 = | Statistics Canada Canadian College Student Information System Institution Codes | |  | 36 = | Statistics Canada University Student Information System Institution Codes | |  | ZZ = | Mutually Defined | |  |  |  | |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  | |  |  | | --- | --- | | ISA08 - | Interchange Receiver ID In combination with ISA07, ISA08 must be a valid FASTER Receiver ID found on the internal National Participants Table. FASTER postsecondary institutions are not identified by campus at this level. Districts that have registered their high schools individually on the Texas Server will have a unique code here.  K-12 schools not individually registered with the Texas Server (ISA07=ZZ and ISA08=FIRNX25) must be identified in the N1 loop. | |  |  | I/S/P00 - Item 1 - Record Type Item 3 - Addressed Institution | |  | |  |  | | --- | --- | | - not equal FIRNX25 |  | |  |  | |  |  | | --- | --- | | àItem 3 = | FASTER institution code retrieved from internal system table | | |  | |  |  | | --- | --- | | - equal FIRNX25 |  | |  |  | |  |  | | --- | --- | | àItem 3 = | FASTER institution code determined by N1 segment processing | | |  | Sent to K-12 Institution from K-12 Institution |  |  | |  |  | | --- | --- | | àItem 1 = | I00 - Interdistrict Record Transfer | | |  | Sent to Postsecondary Institution from K-12 Institution |  |  | |  |  | | --- | --- | | àItem 1 = | S00 - Secondary to Postsecondary Transcript Transfer | | |  | Sent to Postsecondary Institution from Postsecondary Institution |  |  | |  |  | | --- | --- | | àItem 1 = | P00 - Postsecondary Transcript Transfer | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | ISA09 - Interchange Date -- must be valid date (YYMMDD) |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | ISA10 - Interchange Time -- must be valid time |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | ISA11 - Interchange Control Standards ID  U = United States EDI Community of ASC X12 |  |  |  | |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | ISA12 - Interchange Control Version Number This field identifies the draft standard format of the ISA record. The ISA format for Versions 00305 and 00401 are identical.   |  |  | | --- | --- | | 00305 = | Draft Standards Approved for Publication by ASC X12 Procedures Review Board through February 1996 | | 00401 = | Draft Standard for Trial Use Approved by ASC X12 Procedures Review Board through October of 1997 | |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | ISA13 - Interchange Control Number -- must be numeric  This field must be identical to the data transmitted in data element IEA02 at the end of the transaction. The entire set of transcripts is rejected if the two are not the same. |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | ISA14 - Acknowledgement Requested -- ignored |  |  | Transaction Set 997 is always generated and sent regardless of the setting of this field. | |  | |  |  | | --- | --- | | 0 = | No Acknowledgement Requested | | 1 = | Interchange Acknowledgment Requested – respond with TS997 as soon as the transaction is received | |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | ISA15 - Test Indicator |  |  | I/S/P00 - Item 6a - Test/Production Indicator | |  | |  |  | | --- | --- | | P = | Production Data | | T = | Test Data | |  |  | |  |  | | --- | --- | | à P - | Production | | à T - | Test | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | ISA16 - Sub-element Separator -- not used in TS146 |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **IEA - Interchange Control Trailer**  Marks the end of a transmission. |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | IEA01 - Number of Included Functional Groups  This is the number of GS/GE packets that were sent counting from the last ISA segment. |  |  | Ignore discrepancies | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | IEA02 - Interchange Control  This must equal the value sent in data element ISA13. |  |  | All transactions in the ISA/IEA envelope are rejected if there is any discrepancy in any data element other than the IEA01. | |

## Interdistrict/Secondary/Postsecondary Header Record Conversion Specifics (I/S/P00) – Functional Group Header

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| |  |  |  |  | | --- | --- | --- | --- | | **SPEEDE/ExPRESS Outer Envelopes** Provide addressing, timestamps and general purpose for the enclosed transactions. |  |  | **FASTER I/S/P00 header Record Conversion Specifics** | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **GS - Functional Group header** The GS segment is an inner envelope that is used to separate groups of transcripts, requests, acknowledgements, etc. within an ISA envelope. |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | GS01 - Functional ID Code |  |  | Determines whether a FASTER transaction is generated and, if so, whether the transaction should be a request or response. Also routes the transaction to the appropriate conversion process. | |  | |  |  | | --- | --- | | AK = | Student Educational Record (Transcript) Acknowledgement Transaction Set 131 | |  |  | |  |  | | --- | --- | | à | Mark the originally sent TS130 as delivered so it will be properly aged off the FASTER system. No physical FASTER record generated - Chapter 9 (conversion program SX13) | | |  | |  |  | | --- | --- | | ED = | Student Educational Record (Transcript) Transaction Set 130 | |  |  | |  |  | | --- | --- | | à | Generate Response - Chapter 7 (conversion program SX10) if sender was postsecondary, Chapter 8 (conversion program SX11) if sender was K-12 | | |  | |  |  | | --- | --- | | FA = | Functional Acknowledgment Transaction Set 997 | |  |  | |  |  | | --- | --- | | à | Match to original transaction and mark appropriately. No physical FASTER record generated - Chapter 12 (conversion program SX13) | | |  | |  |  | | --- | --- | | RY = | Request for Student Educational Record (Transcript) Transaction Set 146 | |  |  | |  |  | | --- | --- | | à | Generate Request - Chapter 10 (conversion program SX12) | | |  | |  |  | | --- | --- | | RZ = | Response to Request For Student Educational Record (Transcript) Transaction Set 147 | |  |  | |  |  | | --- | --- | | à | Generate Negative Response - Chapter 11 (conversion program SX14) | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | GS02 - Application Sender's Code -- must be consistent with ISA06 |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | GS03 - Application Receiver's Code -- must be consistent with ISA08 |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | GS04 - Date -- must be valid date (CCYYMMDD) |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | GS05 - Time -- must be valid time |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | GS06 - Group Control Number This field must be identical to the data transmitted in data element GE02 at the end of the functional group. The entire set of transcripts is rejected if the two are not the same. |  |  |  | |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  | GS07 - Responsible Agency Code   |  |  | | --- | --- | | X = | Accredited Standards Committee X12 | |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | GS08 - Version/Release/Industry Identifier Code The value for this field should be the 12-character code identifying the 'official' release of the SPEEDE/ExPRESS Implementation Guide being followed. However, the value can be as short as 6 characters. If the partial code matches one of the expected codes, it is accepted as valid. |  |  | Determines which version of the conversion program identified by GS01 will be invoked. | |  | |  |  | | --- | --- | | 003052ED0030= | SPEEDE/ExPRESS Version 3 **NOTE:** The system accepts and processes Version 003052 but this document only details conversion specifications for Version 004010. | |  |  | |  |  | | --- | --- | | à | Invoke Version 3 of the conversion program | | |  | |  |  | | --- | --- | | 004010ED0040= | SPEEDE/ExPRESS Version 4 | |  |  | |  |  | | --- | --- | | à | Invoke Version 4 of the conversion program | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **GE - Functional Group Trailer**  Marks the end of a functional group. |  |  |  | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | GE01 - Number of Transaction Sets Included  This is the number of transcripts that were sent counting from the last GS segment. |  |  | All transactions in the GS/GE envelope are rejected if there is any discrepancy. | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | GE02 - Group Control Number  This must equal the value sent in data element GS06. |  |  | All transactions in the GS/GE envelope are rejected if there is any discrepancy. | |