

Florida Automated System for Transferring Educational Records (FASTER)

Migrant Student Information System (MSIX) Technical Assistance Paper

2024-2025



Table of Contents

Purpose

MSIX Processing Overview

[MSIX Upload Processing](#)

[MSIX Split/Merge Processing](#)

Transcript Submissions

[General Information](#)

[Submission Timeframes](#)

[Who To Submit](#)

[Home Schooled](#)

[Non-Attenders and Out-of-State Youth \(OSY\)](#)

Reporting MSIX Identification Numbers

[Near-Matched Students](#)

[Subsequent Submissions of the Student](#)

School Year Format – Migrant Fields

[Migrant District/School Attended Fields \(FASTER School Year Format I03\)](#)

[Migrant Enrollment Date Field \(FASTER School Year Format I03\)](#)

[Migrant Withdrawal Date Field \(FASTER School Year Format I03\)](#)

Migrant Fields by Format

I00 – Header Format

I01 – Demographic Format

I02 – Immunization Format

I03 – School Year Format

I04 – Course Format

I05 – CTE, ELL, Dropout Format

I11 – Migrant Student Format

Enrollment Submission Examples

Response Headers

I00 – Header Format

Purpose

The intent of this document is to provide guidance regarding the submission of migrant student data to the federal Migrant Student Information System (MSIX) in Washington D. C., through the Florida Automated System for Transferring Educational Records (FASTER) system.

“The No Child Left Behind Act” (NCLB) of 2001 mandated that the U.S. Department of Education (ED) ensure that all students have equal access to education and that ED promote educational excellence throughout the nation. The Office of Migrant Education (OME), part of ED’s Office of Elementary and Secondary Education (OESE), is responsible for administering the Migrant Education Program (MEP). The MEP supports State Educational Agencies (SEAs) by providing funding to help SEAs establish or improve educational programs for migrant students.” (See footnote #1)

“Section 1308(b) of the NCLB requires the OME to assist States in developing effective methods for electronically exchanging student records amongst States; and, to determine an accurate count of the number of migratory children in each State. OME established the MSIX initiative to satisfy these requirements and support their goals for the MEP through MSIX.” (See footnote #2)

MSIX Processing Overview

MSIX Upload Processing

The processing flow diagram [MSIX Upload Process Flow](#) depicts the flow of transcript data from a district to the MSIX system and back. The flow is represented by six different steps.

The district prepares a file of migrant transcripts formatted according to the FASTER system standards and addressed to the MSIX system. This file is transmitted to a data set at Northwest Regional Data Center. This file becomes the input to the posting program.

The district then runs the posting program. This program edits the response file, storing on the database all records having no errors. An edit report of all transcripts failing edits is sent back to the submitting district. Transcripts that have passed the system edits are now ‘staged’ for transmission to the MSIX system. As the need arises, the state MEP Administrator will have the need to ‘deactivate’ a student in the MSIX system. An example of this is when a student has been mistakenly identified and sent to the MSIX system as a currently served migrant student. The MEP Administrator will logon to the FLMSIX Web application at the Department of Education and ‘marked’ for deactivation. Deactivation upload records will be picked up and sent to the MSIX system during the next scheduled transcript upload process.

In the late evening, Monday thru Friday, a local program is executed which gathers all transcripts that have been submitted to the MSIX system and that have passed edits. A series of programs is executed to format and build an MSIX transcript file formatted as XML (MSIX Inbound). This file is then transmitted via FTP to the MSIX FTP server and is queued for overnight processing.

Sometime after midnight, MSIX processing validates the Florida file for proper XML formation. If the file is not malformed, the MSIX system processes the file. For each transcript sent, one of three results will occur: the student is new to the MSIX system, the student is matched to an existing student in the MSIX system, or the student is ‘nearly matched’ to an existing student in the MSIX system. A MSIX response record is built for every transcript sent to the MSIX system and stored in a file on the MSIX FTP server for retrieval by a Florida FTP process.

The following evening the MSIX Outbound response file is retrieved by a Department of Education FTP process and loaded to the mainframe for processing by the FASTER system.

A scheduled FLMSIX process is executed which converts the MSIX XML response file (MSIX Outbound) and builds a FASTER header response record for each transcript the district originally sent to the MSIX system. The originating district runs the retrieval program to retrieve all responses queued for their district. All responses received from the MSIX system associated with the original transcript submission by the district will be downloaded at this time. In cases where the student is new to the MSIX system or found to exist in the MSIX system, a MSIX ID will be included in the header for the student. No MSIX ID will be included for those students 'nearly matched'. All headers will contain a message type of either 'M01', 'M02', or 'M05'. If any students were 'deactivated' during the MSIX upload processing, a header will be present for each student 'deactivated' containing the message type 'M06'.

Students who have 'Near Matched' become work items in the MSIX system to be validated by your district MEP Coordinators. A MSIX ID will be issued and returned to the district as each transcript is validated and worked.

MSIX Split/Merge Processing

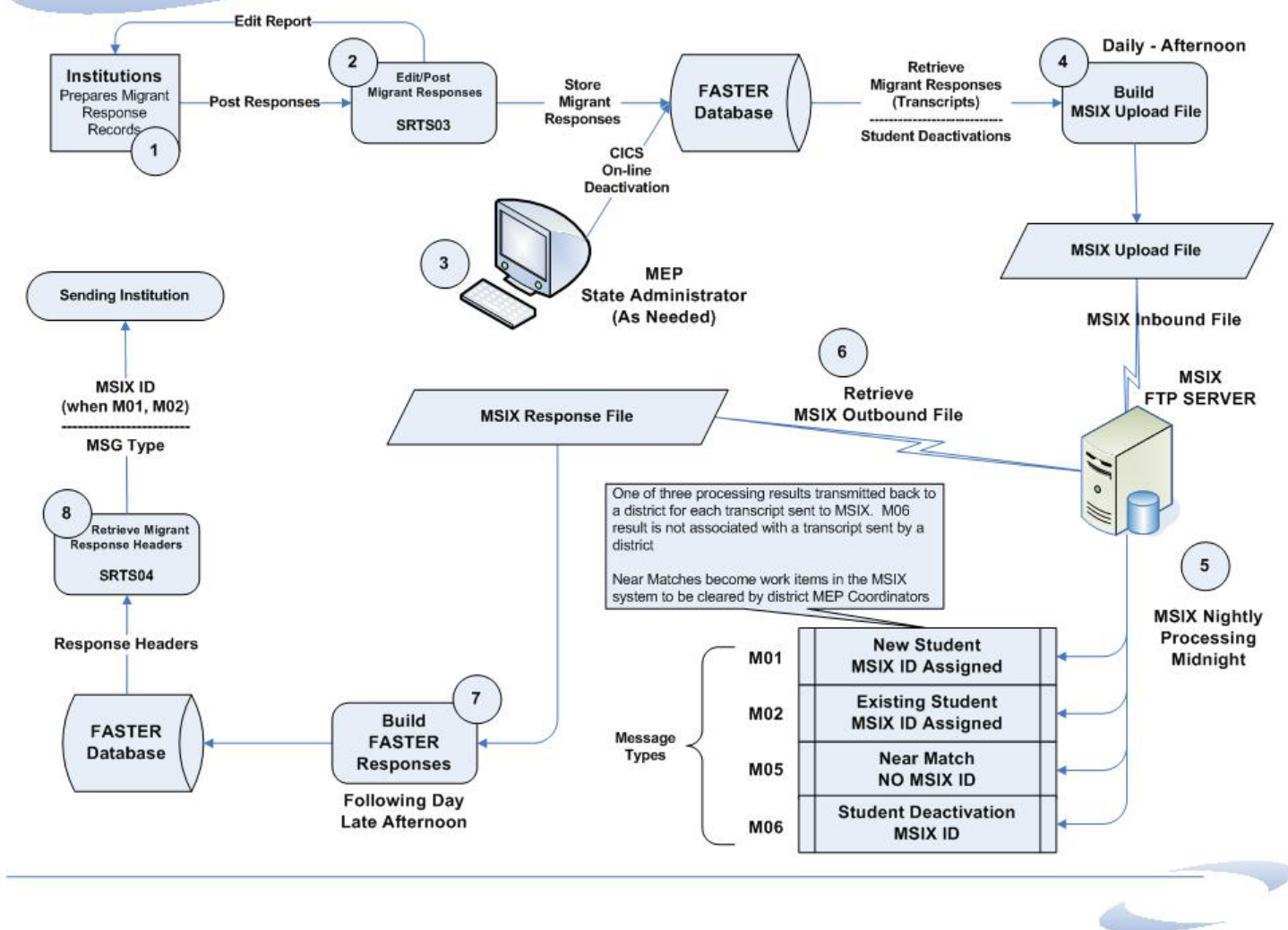
The processing flow diagram [MSIX Split-Merge Process Flow](#) depicts the flow of transcript data from the MSIX system to the district for those students who were 'Near Matched' during the transcript upload process. The flow is represented by four different steps.

The district MEP Coordinator will logon to the MSIX Web site. Work items will be queued for the Coordinator as a result of any transcripts which were uploaded and found to 'Nearly Match' an existing student. These work items must be worked individually by the Coordinator to resolve the 'Near Match' situation by either merging the student with the existing student or by validating the student is truly new to the MSIX system. In either case, a merge response file will be generated for the student and returned via a single file to the FASTER system. A file will be generated for each student worked and validated.

In the late afternoon, Monday thru Friday, a process is executed which retrieves all Split/Merge files generated during the past 24 hours. The files are downloaded to a DOE FTP server and concatenated for processing. Subsequent processing converts the MSIX XML split/merge response file (MSIX Outbound) and builds a FASTER header response record for each transcript response provided in the files.

The originating district runs the retrieval program to retrieve all responses queued for their district. All responses received from the MSIX system associated with resolved split/merge work items for the district will be downloaded at this time. In all cases here, a MSIX ID will be present for each student work item. All headers will contain a message type of either 'M03', or 'M04'.

MSIX Process Flow



Transcript Submissions

General Information

Districts should never submit requests ('R' message types) to the MSIX system. Requests addressed to the MSIX system (district = 99 and school = 0006) will be rejected.

Districts should always submit migrant transcripts with a message type of 'Q01' only.

Message types received by districts from the MSIX system regarding migrant transcript submissions will be 'M01', 'M02', 'M03', 'M04', or 'M05'.

The message type 'M06' will be received by districts from the MSIX system for migrant students who have been deactivated via processing initiated at the state level. Students can only be deactivated by the state Migrant Education Program (MEP) administrator.

Districts will receive a message type of 'X01' for transcripts failing to pass the FASTER edits.

Students who no longer are served by the MEP must be deactivated in the MSIX system. Deactivation of a student is initiated by the state MEP Administrator based upon information received from district MEP coordinators. Deactivations will be sent to the MSIX system during the regularly scheduled MSIX upload processing. Please see the ‘MSIX Upload Processing’ section of this document for further information.

Submission Timeframes

Submission of migrant records is based upon a schedule. It is the responsibility of the state to initiate submissions based upon the following events:

1. Upon completion of the student’s enrollment with a school district, immediately after the student has received their class assignments;
2. At the end of every grade reporting period;
3. At the end of every school term;
4. Upon the student’s withdrawal from school or from the Migrant Education Program.

Districts will be expected to implement procedures that will support submission of migrant records as close to these events as is possible.

Who To Submit

MSIX has defined the following categories of migrant students for submission by states. Districts should, therefore, submit student records for:

1. Currently enrolled migrant students
2. Migrant students recently withdrawn from school
3. Non-attending individuals identified by district MEP as receiving services
4. Out of school youth identified by district MEP staff (non-attenders)
5. Home schooled youth identified by district MEP staff

Home Schooled

Home schooled students should be transmitted with a District Current Enrollment equal to the district in which the student is being home schooled and a School Number Current Enrollment equal to ‘9998’. School number ‘9998’ is valid for districts 01-76, 80-83.

Courses taken by a student thru home schooling should be reported with a District, Where Credit Earned equal to the district in which student is being home schooled and a School, Where Credit Earned equal to ‘9998’. *Please refrain from utilization of the older school code of ‘N998’ for home schooled courses.*

Non-Attenders & Out-of-School Youth (OSY)

Individuals receiving Migrant services who are not in school or school age youth receiving Migrant services who are currently not attending school should be transmitted with a District Current Enrollment equal to the district in which the student is receiving services and a School Number Current Enrollment equal to ‘9997’. School number ‘9997’ is valid for districts 01-76, 80-83.

If available, any academic course history which exists for the individual within the reporting district should be provided for the individual being reported. As an example, course work for the academic year 2010-2011

existing for the person being reported as a non-attender in the academic year 2011-2012, should be reported at the time of submission as a non-attender.

Reporting MSIX Identification Numbers

MSIX identification numbers should be provided with submitted transcripts once the identification number has been provided back to the sending district by the MSIX system. When a student is submitted by a district to the MSIX system for the first time, the MSIX system will provide the district with the assigned MSIX ID via a FASTER response if the student is found to be either new to the MSIX system or the student sent is matched to an existing student in the MSIX system. In cases where the student is found to be a 'near match' with an existing student in the MSIX system, no MSIX identification number will be returned to the sending district for the student.

Near-Matched Students

The district coordinator or designee will be required to 'validate' the near match by logging on to the MSIX system and working the 'near match' item before a MSIX identification number will be assigned to the student. Once the validation is completed, a MSIX identification number will be returned to the sending district via a FASTER response. This can take several days or weeks depending upon how long it takes for district MEP personnel to validate the 'near match'.

Subsequent Submissions of the Student

Once the MSIX identification number is returned to the district, the district will be required to send the MSIX identification number for subsequent submissions of the student to the MSIX system. The FASTER edit program edits the MSIX identification number to ensure that the district is maintaining the number for the student as required by the Migrant Education Program office. The edits have been changed to incorporate the FASTER Student Identifier Alias field to accommodate changes to the identification of the student by the district such as when the student was initially submitted to MSIX under a High School number and later submitted under a Social Security Number. The edits are outlined below to help clarify how the MSIX identification number edits function.

Initial MSIX ID lookup of the student occurs using the Primary Student Identifier and the sending district number combination. If the student is found on the DOE Migrant database, the incoming MSIX ID from the sending district must equal what is recorded for the student on the DOE Migrant database.

- If no MSIX ID is recorded for the student on the database, no MSIX ID should have been submitted for the student (no MSIX ID will be found on the database for students in a 'near match' status)
- If a MSIX ID is recorded for the student on the database, the MSIX ID submitted for the student must equal what is recorded for the student on the database

If the student is not found in step #1 above, attempt to locate the student with the Student Identifier Alias and the sending district number combination. If the student is found on the DOE Migrant database, the incoming MSIX ID submitted for the student must equal to what is recorded for the student on the DOE Migrant database.

- If no MSIX ID is recorded for the student on the database, no MSIX ID should have been submitted for the student (no MSIX ID will be found on the database for students in a 'near match' status)
- If a MSIX ID is recorded for the student on the database, the MSIX ID submitted for the student must equal what is recorded for the student on the database

If the student is not found in step #1 or #2 above, the student will be considered new to the sending district.

- If the sending district has sent a MSIX ID for the student, the transcript will be rejected. Districts should not look up MSIX identification numbers in the MSIX system for students who are new to the district. The MSIX system will provide the MSIX identification number based upon the matching process taking place in the MSIX system
- Students found to be new to the sending district, should not have a MSIX ID submitted by the district

School Year Format –Migrant Fields

Migrant District/School Attended Fields (FASTER School Year Format I03)

Required beginning 2012-2013 academic year.

District and School where the student is attending during the academic year.

‘9997’ if the individual is not attending school during the reported academic year (non-attender).

Migrant Enrollment Date Field (FASTER School Year Format I03)

Required beginning 2012-2013 academic year.

Non-attender reporting: the date the student was enrolled in the MEP program if the student is not currently enrolled in school. This date should be equal to the date reported in the MEP Enrollment Date field on the FASTER Demographic record (I01).

Attenders: the date the student was enrolled in the school being reported for the academic year.

Migrant Withdrawal Date Field (FASTER School Year Format I03)

Required beginning 2012-2013 academic year.

One of the following dates:

- The date the student withdraws from classes at a school within the reporting district
- The approximate date the student leaves the district if they do not physically withdraw from the school
- The end of the school year as noted by the sending district if the student completed the school year.

Migrant Fields by Format

All FASTER formats are applicable for the submission of migrant students. However, MSIX specific data is submitted on the FASTER Demographic (I01), School Year, Course (I04), and the Migrant Student (I11) formats. The data descriptions below detail specific data requirements for the fields when submitting Migrant data. Please utilize this list in conjunction with the FASTER format pages on the FASTER Web site.

I00 – Header Format	One per transcript
Addressed Institution, Number of District	Must be equal to '99'.
Addressed Institution, Number of School	Must be equal to '0006'.
Sending Institution, Number of District	Must be equal to the valid district number of the sending district 01-76, 80-83.
	Cannot be equal to 'FL'.
	Note: District Number, Current Enrollment fields on all subsequent FASTER format records for the student must be equal to this field.
Sending Institution, Number of School	Can be equal to a valid school number within the sending district.
	Must be equal to '9997' when reporting a individual being served by MEP but is not enrolled in school (Non-attender or out-of-school youth)
	Must be equal to '9998' when reporting a student who is home-schooled.
	Note: School Number, Current Enrollment fields on all subsequent FASTER format records for the student must be equal to this field.
Message Type	Must be equal to 'Q01'.
I01 – Demographic Format	One per transcript
MSIX Identification Number	Can be blank when the student is new to MSIX.
	If you have received a response from the MSIX system with the MSIX ID attached, provide the MSIX ID in any subsequent transmission of the student.
	If you have received transcript information from another district for an active MSIX student, the MSIX ID should have been provided in the Header record. Provide the MSIX ID in any subsequent transcript transmission of the student whether to the MSIX system or to another district.
Migrant Birth State	Valid two digit code for the state indicated on Appendix H of the EIAS Database Manual if born in the United States.
	Valid two digit code for the country indicated on Appendix BB of the EIAS Database Manual if born in Mexico (MX), Canada (CC) or one of the South American country codes.
	Submit spaces if the birth state is unknown.
Migrant Summer Term	Indicates the time of the school year during which the student received services by the Migrant Education Program (MEP) and valid code is 'S' if student received services in summer term.
	Submit blank if student did not participate in Summer term.
Migrant Annual Term	Indicates the time of the school year during which the student received services by the Migrant Education Program (MEP) and valid code is '3' if student received services during September 1 through August 31 performance period.
	Submit blank if student did not participate in Annual term.
MEP Enrollment Date	Valid date the student was enrolled in the Migrant Education Program as provided on the Migrant Certificate of Eligibility (COE).
Birth Date Verification	Code which indicates the legal evidence for verifying the student's birth date.
Birth Place	18 character freeform entry field for the name of the birth place of the student. City, state/territory or foreign country.
Female Parent/Guardian Code	Code indicating relationship of the female parent or guardian to the student.
Female Parent/Guardian Name	At all times possible, please submit the mother's name in this field formatted as 'last name, first name'. See Parent/Guardian fields if neither the mother or father name is available.
Male Parent/Guardian Code	Code indicating relationship of the male parent or guardian to the student.
Male Parent/Guardian Name	At all times possible, please submit the father's name in this field formatted as 'last name, first name'.
Parent/Guardian Code	To be used when neither the father's nor the mother's names are available. This field is to identify the guardian traveling with the migrant student. 'M' for male, 'F' for female.
Parent/Guardian Name	To be used when neither the father's nor the mother's names are available. This field is to identify the guardian traveling with the migrant student.
Migrant Continuation of Services	Valid code associated with a migrant student whose eligibility has expired but who continues to receive services. See the Demographic format for a description of each code.

Migrant Priority for Services	A 'Y' or 'N' indicator designating if the student is a priority for migrant services or not.
Country of Birth	Provide the two digit country code associated with the country of birth as defined in Appendix G of the EIAS Database Manual. 'ZZ' or spaces can be provided if not known.
Birth Date	The valid date of birth in association with the Birth Date Verification field above.
Multiple Birth Student	It is important to provide this indicator if the individual being reported is of a multiple birth (twin, triplet etc.)
I02 – Immunization Format	One per transcript
Immunization Status	Enter the valid code associated with the status of the student. See the I02 FASTER format for the appropriate code to submit.
	If code is '1', '5', '6', '7', or '8', a value of 'Y' will be sent to the MSIX system. Otherwise, a value of 'N' will be sent.
I03 – School Year Format	One per each enrollment during the same academic year in your district. If a student has attended school within your district more than one time, the student would have one I03 record for each enrollment period during the same academic year identifying both the Enrollment and Withdrawal dates and the district and school attended during each enrollment. See example below this chart.
Migrant Enrollment Date	The date on which the student was actually enrolled in a school within your district.
	Required beginning 2012/2013 academic year.
	Date must be a valid date within the reported academic year. Academic year running from 8/1/Year1 thru 7/31/Year2. (8/1/2012 thru 7/31/2013)
Migrant Withdrawal Date	The date on which the student withdraws from a school within your district, if the student was previously enrolled in your district in the same academic year.
	Should be reported if the student has either completed the academic year of when the student withdrew from school or stopped attending school.
Migrant District Attended	The valid district number where the student was enrolled in your district. See Valid District Values
	Required beginning 2012/2013 academic year.
	Must be your district number
Migrant School Attended	A valid school number within the Migrant District Attended where the student was enrolled. See Valid School Values
	Required beginning 2012/2013 academic year.
	Must be a valid school number within your district or the value of 9997 for a non-attender.
I04 – Course Format	Multiple per academic year
District Number, Where Credit Earned	District number must be 01-76, 80-83, or 'FL'. See Valid District Values .
School Number, Where Credit Earned	School number must be a valid public school number from the MSID file, private PK-12 school number from the private MSID file, N998 for home school, valid public state college or university number or a private postsecondary number. See Valid School Values .
	No out of state course work can be submitted to the MSIX system.
I05 – VOC, LEP, Dropout Format	One per transcript (optional)
English Language Learners, PK-12	Provide a value of 'LP', 'LY', or 'LF' to report a value of 'YES' to the MSIX system. All other valid values of 'LZ', 'ZZ' or blank will be equated to a 'NO' for the value reported to the MSIX system.
I11 – Migrant Student Format	One per transcript
Migrant Residency Date	Date when the child entered the school district establishing his/her residency.
	This is a required field on the FASTER I11 Migrant Student format.
Qualifying Arrival Date (QAD Date)	Date a child arrives in a new stated or school district within a state as a result of a move which establishes eligibility under federal guidelines.

	This is the date that would have been recorded on the Migrant Certificate of Eligibility (COE), which is completed at the time the student is identified as a migrant student.
	This is a required field on the FASTER I11 Migrant Student format.
QAD From City	20 character freeform data entry field that should contain the name of the city from which the student made the qualifying move.
	This is the date that would have been recorded on the Migrant Certificate of Eligibility (COE), which is completed at the time the student is identified as a migrant student.
QAD From State	Provide a two-character state code of a state within the United States, Canada, Mexico or South America in which the student resided prior to the qualifying move.
	Select a valid code for a state in the United States from Appendix H of the EIAS Database Manual.
	Select a valid code for a state in Mexico, Canada, or South America from Appendix BB of the EIAS Database Manual.
	State codes for Mexico, Canada and South America are repeated in Appendix BB . Therefore, it is possible to find the same state code for two different countries. The combination of the state code selected for a specific country, together with the country code are what make the state code unique to the MSIX system.
	Example: If the state is Capital Federal in Argentina, the State Postal/FIPS Code of 'C' from Appendix BB would be reported along with the country code of 'AE'. 'C' is also a valid code for Bolivia, so it is important to include the country code to distinguish between the two states.
QAD From Country	Provide a two-digit abbreviation of the country in which the student resided prior to the qualifying move. Provide a valid code from Appendix G in the EIAS Database Manual for the country.
QAD To City	This field is required when reporting a migrant student, and is a 20-character freeform field. Provide the name of the city to which the student has moved.
	This is the date that would have been recorded on the Migrant Certificate of Eligibility (COE), which is completed at the time the student is identified as a migrant student.
QAD To State	The field should contain a two-digit abbreviation of the state in the United States in which the student's residency in the new school district is located when the student made the last qualifying move. Provide a valid state code from Appendix G of the EIAS Database Manual.
	Leave this field blank if the state is not a U.S. state or the U.S. territory of Puerto Rico.
	'ZZ' is not a valid entry for this data item.

Enrollment Submission Examples

Student enrolled in past years

DIST/SCHL			ENRL DT	WITH DT
I039999999999 470021	20042005007118P		20040831	20041025
470161				
I039999999999 470021	20042005007118P		20050126	20050501
470031				
I049999999999 470021	470161NORTH ELEMENTARY SCHOOL	20042005		
I049999999999 470021	470031CENTRAL ELEMENTARY SCHOOL	20042005		

Student currently enrolled (Migrant fields required beginning 2012/2013)

			ENRL DT	WITH DT
DIST/SCHL				
I039999999999 470021	20122013007118P		20120831	20121025
470161				
I039999999999 470021	20122013007118P		20130126	
470031				
I049999999999 470021	470161NORTH ELEMENTARY SCHOOL	20122013		
I049999999999 470021	470031CENTRAL ELEMENTARY SCHOOL	20122013		

Response Headers

Upon processing of the transcripts submitted to the MSIX system, the MSIX system will generate XML responses to the FASTER system. Each transcript sent to the MSIX system will have a response record associated with the processing of the transcript. The XML response file is processed by the FASTER system the working day after upload to the MSIX system. Each XML response will be formatted into a FASTER Header Only response to the sending district which will be deposited into the FASTER mailbox for delivery.

Likewise, as MEP district coordinators work their 'Near Match' work-list items (includes 'merging' or 'splitting' MSIX records), MSIX XML responses will also be generated. As noted in the Split/Merge flow diagram at the beginning of this document, this will result in multiple files which upon receipt by Florida are concatenated and processed in a similar fashion as regular responses are. This results in FASTER Heard Only responses which carry different Message Types that would regular responses.

Upon the execution of the FASTER program, the district will retrieve all responses addressed to the district including the MSIX responses. Two specific pieces of information can be on the MSIX Header responses that should be captured by the district. These fields are the MSIX Identification Number (MSIX ID) and the associate Message Type. The table below outlines where the MSIX ID will be located if present and details regarding the Message Types.

I00 – Header Format

Institutional Student Number	Field #7 on the I00 format will contain the MSIX Identification Number (MSIX ID) Will contain the MSIX ID when Message Type equals 'M01', 'M02', 'M03', 'M04' Will contain the MSIX ID when Message Type equals 'M06'. However, this message type indicates the student is no longer active in the MSIX system. The student should not be transmitted in subsequent transmissions to the MSIX system. Will be spaces when Message Type equals 'M05' Capture the MSIX ID when present
Message Type	'M01' when the student is new to the MSIX system. 'M02' when the student is matched to an existing student in the MSIX system. 'M03' when the MSIX ID has been reassigned (changed) due to a validate 'Split' by the MEP district coordinator or state administrator. 'M04' when the student record has been involved in a validated 'Merge' by the MEP district coordinator or state administrator and the MSIX ID has changed. 'M05' when the student was partially matched to an existing student or students in the MSIX system. This is considered a 'Near Match' which must be worked by the MEP district coordinator. No MSIX ID will be present in the Institutional Student Number field when the Message Type is 'M05'. 'M06' when the student has been 'Deactivated' by the MEP state administrator. This student is no longer being serviced by the MEP and therefore should not be submitted on subsequent transcript submissions to the MSIX system.

[1] U.S. Department of Education, MSIX Interface Requirements Specification, ED-06-CO-0108

[2] U.S. Department of Education, MSIX Interface Requirements Specification, ED-06-CO-0108