



2020 Technical Specifications for Translation of Ed-Fi Operational Data Store (ODS) Information Used By MARSS

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This document describes the technical specification and definitions used when extracting information out of the Ed-Fi ODS and translating into the data used by the Minnesota Automated Reporting Student System (MARSS).

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Overview

This document describes the methods and rules used when reading the Ed-Fi Operational Data Stores (ODSs) for use in the Minnesota Automated Reporting Student System (MARSS). The ODS are a set of databases; each is limited to data collected in a specific fiscal year. The translation into MARSS information for the 2020 fiscal year is described here in five general sections.

- I. Student Information
- II. Enrollment Information
- III. Demographic Information
- IV. School Information
- V. Program Information

The term 'table' is used loosely in the following sections. It represents the various sets of information that are linked together in a logical fashion. They are shown as rows and columns of data in the examples following. Where applicable, default values are shown in the examples where an Ed-Fi element may be missing.

I. Student Information

A basic unit in the Ed-Fi system is the Student table. It holds the State Student ID (SSID). The SSID is also known as the MARSS Number and is stored in the Ed-Fi table as Student Unique ID. A surrogate key called the Student Unique Student ID (USI) is created for each Student Unique ID. The Student USI is the key used when data is loaded into other Ed-Fi related tables such as enrollment, demographics and programs.

The Student table also requires the name, birthdate and gender of the student. However, these are only used to validate the MARSS Number in the record. The MARSS number must match one in the State Student ID (SSID) system with a similar name, birthdate and gender. The actual name, birthdate and gender used in the translation into MARSS are derived from the other information sources specific to the district. These are held in the demographics table (called Student Education Organization Association).

An example of four records from Student Information.

Student USI	MARSS Number	Last Name	First Name	Middle Name	Suffix	Gender	Birth Date
635897	8000000000001	Deshawn	Dave	Den	Jr	M	2010-05-04
47845	8000000000002	Kiril	Karl	K		M	2009-08-10
36989852	8000000000003	Je'even	James	Jack	III	M	2010-07-06
745214	8000000000004	Maris	Meme	Marie		F	2014-12-24

Note: Only the Student USI and the MARSS Number are used in the translation into MARSS data. The other information in this table is simply used during the SSID validation against the statewide identification system.

II. Enrollment Information

The enrollment information is held in a series of tables. The core (or base) Ed-Fi table is called the Student School Association with several extensions and other associations. This information describes where the student is being served and for what reason, the enrollment begin and end dates, and various characteristics that apply to the specific enrollment period (such as the grade level or the membership).

For records to be linked among the various core and extension tables, the Student USI and School number must match to collect the information. Some missing elements may default to generic values if required during the translation into MARSS.

This shows the enrollment information for three different students.

Column	Default	Student A	Student B	Student C
District-Type-School		0535-01-123	0535-01-147	0535-01-110
Grade		03	03	03
Last Location Code		00	00	00
Status Begin Date		2019-10-23	2019-08-27	2019-08-27
Status End Date		2020-03-21	2020-05-31	2020-05-31
Status End Code		99	40	40
MARSS Number		80000000000001	80000000000002	80000000000003
State Aid Category		00	00	01
Special Education Status	1	1	1	4
Homebound Service Indicator	N	N	N	N
Resident District Number		0535	0535	0204
Resident District Type		01	01	01
Special Pupil for Care and Treatment	N	N	N	N
Membership Attendance Units		Hours	Days	Days
Membership		94	162	162
Attendance		82.4	142.5	159.5
Percent Enrolled		100	100	100
Transportation Category		06	06	03
Transporting District Number		0535	0535	0535
Transporting District Type		01	01	01

Note: When translating into the MARSS data, when the units are reported in hours the percent enrolled is changed to 999 (or 998 if State-approved Alternative Programs (SAAP) record found with concurrent enrollment indicator).

Students reported with Grade PS (preschool screening) will have the school number changed to 005 during the translation.

III. Demographic Information

Similar to enrollment, the demographic information is also held in a series of tables. The core (or base) Ed-Fi table is called the Student Education Organization Association with several extensions and other associations. This information holds the student identifiers and student characteristics assigned within that education organization.

For records to be linked among the various core and extension tables and for information to be collected from those records, the Student USI and School number must match. Some missing elements may default to generic values if required during the translation into MARSS.

This shows the demographic information for three different students.

Column	Default	Student A	Student B	Student C
District-Type-School		0535-01-123	0535-01-147	0535-01-110
Gender		M	M	M
Hispanic Indicator	<i>N</i>	N	Y	N
MARSS Number		8000000000007	8000000000008	8000000000009
Last Name		Deshawn	Card	Kiri
First Name		Dave	Carrie	Karl
Middle Name		Den	Catheryn	K
Suffix				
Birth Date		2010-05-04	2010-05-04	2009-08-10
Indian Indicator	<i>N</i>	N	N	Y
Asian Indicator	<i>N</i>	N	Y	N
Pacific Islander Indicator	<i>N</i>	N	N	N
Black Indicator	<i>N</i>	Y	Y	N
White Indicator	<i>N</i>	N	N	Y
Ethnic Code (North American Indian indicator)	<i>0</i>	0	0	1
ADP	<i>N</i>	N	N	N
RAEL	<i>N</i>	N	N	N
IMMIGRANT	<i>N</i>	N	N	N
SLIFE	<i>N</i>	N	N	N
Home Primary Language		011	011	011
Opt Out Indicator MNC		N	N	N
Local Use Data		1007641	1007641	9588501
Ancestry Ethnic Origin			as-filipino	ai-dakota
			as-indian	
			hl-mexican	

Note: When translating home primary language, the language use in the Ed-Fi table 'Student Education Organization Association Language Use' must be designated as 'Home Language'.

IV. School Information

The School information holds up to three characteristics of each grade in the school. These are constructed from the Ed-Fi calendar table with the associated extension and Calendar Grade Level table. In this case, the extension is used as the base table.

This shows the school information for 1 school with 10 grades

District-Type-School	Instructional Days	Length Of Day	Kindergarten Schedule Code	Grade
0535-01-110	162	360		01
0535-01-110	162	360		02
0535-01-110	162	360		03
0535-01-110	162	360		04
0535-01-110	162	360		05
0535-01-110	159	150		EC
0535-01-110	160	360		HK
0535-01-110	160	360	E	KG
0535-01-110	158	150		RA
0535-01-110	159	150		RB

Note: The calendar type in the Ed-Fi calendar table must be 'School/Grade Characteristics'.

All districts will have school 005 added (if not already present) during the translation into MARSS if they have at least one grade PS (preschool screening) student.

V. Program Information

The various programs students may participate in are collected separately from the enrollment and demographic records in the Ed-Fi system. To put the information into the MARSS Web Edit System (WES), the data needs to be translated and linked together to create a MARSS enrollment record incorporating the program time period and facts. The following includes the definitions for the program elements and how the translation occurs.

Each program description has a begin date, and end date, and may contain supplemental information that relates to the program. Each program description may also have a set of rules defining the translation logic.

Examples are included in the following descriptions to illustrate how the translation occurs between the Ed-Fi program records and MARSS records.

Programs in Ed-Fi:

- 21st Century Learning Center Grant
- Alternative Delivery Of Student Information System (SIS)
- Coordinated Early Intervening Services (CEIS)
- Early Childhood Screening
- English Learner
- Gifted and Talented
- Homeless
- Post-secondary Enrollment Option (PSEO) Concurrent
- PSEO Program
- State-approved Alternate Programs (SAAP)
- School Food Service
- Section 504 Plan
- Special Education
- Title I Part A

21st Century Learning Center Grant

Begin Date: The earliest date in the program this school year for this student.

End Date: The latest date in the program this school year for this student. If the end date is empty, the system will assume the student is in the program through the end of the enrollment period for this school year.

MARSS Translation Logic: This information is held separately from the MARSS system so there is no translation into MARSS.

This shows the program records for three different students.

District	School	MARSS Number	Begin Date	End Date
0216-01	010	8000000000011	2019-06-07	
0216-01	010	8000000000012	2019-07-11	2020-04-15
0216-01	010	8000000000013	2019-10-30	2020-05-24

Alternative Delivery of Student Information System (SIS)

Begin Date: The earliest date in the program this school year for this student.

End Date: The latest date in the program this school year for this student. If the end date is empty, the system will assume the student is in the program through the end of the enrollment period for this school year.

MARSS Translation Logic: This information is held separately from the MARSS system so there is no translation into MARSS.

This shows the program records for three different students.

District	School	MARSS Number	Begin Date	End Date
0535-01	310	80000000000014	2019-09-07	2020-05-24
0535-01	310	80000000000015	2019-12-11	
0535-01	310	80000000000016	2019-07-11	2020-06-24

Coordinated Early Intervening Services (CEIS)

Begin Date: The earliest date in the program this school year for this student.

End Date: The latest date in the program this school year for this student. If the end date is empty, the system will assume the student is in the program through the end of the enrollment period for this school year.

MARSS Translation Logic: If reported as CEIS for at least one day during the enrollment period in that district, the system will translate the Special Education Status from a 1 to an 8 on that enrollment record. Any other special education status (2-7) would not change - even though the CEIS program exists.

- The schools do not need to match between the program record and the enrollment record.
- The program begin and end dates do not need to match to the enrollment dates, an overlapping time period between the enrollment and the program will translate the status from 1 to 8.

Example for CEIS

This shows the program record for a student.

District	School	MARSS Number	Begin Date	End Date
0625-01	600	8000000000013	2019-10-03	2020-06-07

This shows the three Ed-Fi Student School Association records for this student.

District	School	MARSS Number	Entry Date	Exit Withdraw Date	Special Education Status
0625-01	489	8000000000013	2019-09-04	2019-10-01	1
0625-01	489	8000000000013	2019-10-02	2020-04-26	1
0625-01	489	8000000000013	2020-04-29	2020-06-07	4

This shows the MARSS enrollment records after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Special Education Status
0625-01	489	8000000000013	2019-09-04	2019-10-01	1
0625-01	489	8000000000013	2019-10-02	2020-04-26	8
0625-01	489	8000000000013	2020-04-29	2020-06-07	4

Note: Only the second record's status has changed. The first record's time period did not overlap the program time period. The third enrollment record's Special Education Status is a 4 and will not be changed.

Early Childhood Screening

Begin Date: The date when the screening occurred or date the parent declined the screening.

End Date: The date the screening concluded – usually the same day, or a day later, or can be left empty depending on the SIS requirements. When translating into MARSS, the reported end date will not be used. The translation into MARSS will simply set the end date to what the begin date is.

Screener Code: The entity performing the screening or why the child was not screened.

Exit Status Code: The result of the screening.

Note: The Screener Code and the Exit Status Code should exist for the information to be translated into a MARSS screening record. However, if the parent declined the screening (a Conscientious Objector), the Exit Status Code could be empty. In these cases, the system will translate the Exit Status Code to the MARSS Status End Code of 99.

MARSS Translation Logic: When a program record exists, the system will fabricate a MARSS enrollment record with grade = PS, school = 005, and the MARSS Status Begin and End dates set as the Program Begin Date.

- The Student School Association record for the student may or may not have the entry grade as PS.
- The Entry Date and the Exit-Withdraw Date on the Student School Association record will not be used, only the program Begin Date will be used in the translation to MARSS.
- If there are two or more program records, additional MARSS enrollment records will be fabricated.
- The schools do not need to match between the program record and the enrollment record.
- The program begin and end dates do not need to match to the enrollment dates.

Note: For students receiving a screening and also reported in a regular grade, such as Early Childhood (EC), Kindergarten (KG), Voluntary PreKindergarten (VPK) or School Readiness Plus (SRP), the district does not need to add another enrollment record with entry grade PS. They could simply add an Early Childhood Screening program record and the system will recognize and create the MARSS grade PS screening record during the translation.

Example for Early Childhood Screening

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date	Screener Code	Exit Status Code
0535-01	110	8000000000555	2019-10-01	2019-10-02	1	3

This shows two Ed-Fi Student School Association records for this student for two different districts.

District	School	MARSS Number	Entry Date	Exit Withdraw Date	Grade	State Aid Category	Exit Withdraw Code
0535-01	116	8000000000555	2019-10-03	2019-12-31	KG	00	04
0625-01	489	8000000000555	2020-01-02	2019-05-26	KF	00	40

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Grade	State Aid Category	Status End Code
0535-01	005	8000000000555	2019-10-01	2019-10-01	PS	41	62
0535-01	116	8000000000555	2019-10-03	2019-12-31	KG	00	04
0625-01	489	8000000000555	2020-01-02	2019-05-26	KF	00	40

Note: The Early Childhood program record was translated into a MARSS enrollment record for grade PS in school 005. The Screener Code and the Exit Status code were translated into the State Aid Category and the Status End Code.

English Learner (EL)

Begin Date: The earliest date the student was identified as an English Learner in this school year.

End Date: The earliest date the student was identified as an English Learner in this school year. If the end date is empty, the system will assume the student is identified as an English Learner through the end of the enrollment period for this school year.

English Learner Participation: A 1/0 indicator (1 = Yes, 0 = No). A 1 means EL instruction is being provided. A 0 means EL instruction is not provided. In MARSS, a 1 translates into the LEP Begin Date (Limited English Proficiency) with an appropriate date. A 0 (or empty), translates into an empty LEP Begin Date in MARSS.

Language Service Code: One of eight descriptive codes of the type of language service needed or provided.

MARSS Translation Logic: If reported as an English Learner in that district with any enrollment overlapping the program period, the system will set the MARSS EL indicator = Y on all enrollment records in that district for the student.

- If English Learner Participation = 1, the system will populate the LEP Begin Date with the earliest program begin date.
- The schools do not need to match between the program record and the enrollment record.
- The program begin and end dates do not need to match to the enrollment dates, a single overlapping time period will set the indicator to Y on all records in that district.

Example 1 for English Learner

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date	English Learner Participant	Language Service Code
0535-01	110	8000000000643	2019-09-03	2019-10-01	1	Heritage Language

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	EL Indicator	EL Start Date
0535-01	116	8000000000643	2019-10-03	2019-12-31	Y	2019-09-03
0535-01	110	8000000000643	2020-01-03	2020-05-26	Y	2019-09-03

Note: Even though the program record only overlaps one of the enrollment records, both are set to Y. The EL start date is set to the program begin date, not the enrollment begin date.

Example 2 for English Learner

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date	English Learner Participant	Language Service Code
0535-01	110	8000000000701	2020-01-03	2020-05-26		

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	EL Indicator	EL Start Date
0535-01	116	8000000000701	2019-07-09	2019-10-26	Y	
0535-01	110	8000000000701	2019-10-27	2019-12-31	Y	
0535-01	110	8000000000701	2020-01-04	2020-05-26	Y	

Note: Even though the program record only overlaps one of the enrollment records, all three are set to Y. The EL start date is left empty since the English Learner Participation designation is missing.

Example 3 for English Learner

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date	English Learner Participant	Language Service Code
0535-01	110	8000000000999	2019-07-01	2019-09-01	1	Two-Way Immersion

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	EL Indicator	EL Start Date
0535-01	116	8000000000999	2019-09-02	2019-10-26	N	
0535-01	110	8000000000999	2019-10-27	2020-05-31	N	

Note: Since the program record time period does not overlap any enrollment records, the EL indicator is set to N on all records and the EL Start Date is left empty.

Gifted and Talented

Begin Date: The earliest date in the program this school year for this student.

End Date: The latest date in the program this school year for this student. If the end date is empty, the system will assume the student is in the program through the end of the enrollment period for this school year.

Participation Code: A code assigned to the student describing the type of participation.

MARSS Translation Logic: If reported as G/T for at least one day during the enrollment period in that district, the system will set the Gifted/Talented indicator = Y in MARSS on that enrollment record.

- The schools do not need to match between the program record and the enrollment record.
- The program begin and end dates do not need to match to the enrollment dates, an overlapping time period will set the indicator to Y on the enrollment record.

Example for Gifted and Talented

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date	G/T Participation Code
0535-01	311	8000000000888	2019-09-09	2020-03-15	EOS (Enrichment Out of School)

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Gifted Talented Indicator
0535-01	116	8000000000888	2019-07-09	2019-10-26	Y
0535-01	110	8000000000888	2019-10-27	2020-03-31	Y
0535-01	110	8000000000888	2020-04-01	2020-05-26	N

Note: The third enrollment record is set to N because the enrollment time period does not overlap the program time period.

Homeless

Begin Date: The earliest date in the program this school year for this student.

End Date: The latest date in the program this school year for this student. If the end date is empty, the system will assume the student is in the program through the end of the enrollment period for this school year.

Primary Nighttime Residence: A code assigned to the student describing the primary nighttime residence.

Unaccompanied Youth: A 1/0 indicator (1 = Yes, 0 = No).

MARSS Translation Logic: If reported as homeless for at least one day during the enrollment period in that district, the system will set Homeless indicator = Y in MARSS on that enrollment record.

- The schools do not need to match between the program record and the enrollment record.
- The program begin and end dates do not need to match to the enrollment dates, an overlapping time period will set the indicator to Y on the enrollment record.

Example 1 for Homeless

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date	Primary Nighttime Residence	Unaccompanied Youth
0535-01	311	8000000000701	2019-09-09	2020-01-01	TH	1
0535-01	311	8000000000701	2020-01-02	2020-06-01	HM	0

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Homeless Indicator
0535-01	311	8000000000701	2019-07-09	2019-10-26	Y
0535-01	315	8000000000701	2019-10-27	2020-03-31	Y
0535-01	315	8000000000701	2020-04-01	2020-05-26	Y

Note: All three enrollment records overlap with at least one of the program records.

Example 2 for Homeless

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date	Primary Nighttime Residence	Unaccompanied Youth
0535-01	315	8000000000636	2020-01-02	2020-05-31	DU	0

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Homeless Indicator
0535-01	315	8000000000636	2019-07-09	2019-10-26	N
0535-01	315	8000000000636	2019-10-27	2020-03-31	Y
0535-01	310	8000000000636	2020-04-01	2020-05-26	Y

Note: The first enrollment record is set to N since the program time period does not overlap the enrollment time period.

Post-secondary Enrollment Option (PSEO) Concurrent

Begin Date: The earliest date in the program this school year for this student.

End Date: The latest date in the program this school year for this student. If the end date is empty, the system will assume the student is in the program through the end of the enrollment period for this school year.

MARSS Translation Logic: If reported as PSEO Concurrent for at least one day during the enrollment period in that district and school, the system will set PSEO Concurrent indicator = Y in MARSS on that enrollment record.

- The schools must match between the program record and the enrollment record.
- The program begin and end dates do not need to match to the enrollment dates, an overlapping time period will set the indicator to Y on the enrollment record.

Example for PSEO Concurrent

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date
4122-07	010	8000000000265	2019-09-09	

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	PSEO Concurrent
4122-07	010	8000000000265	2019-07-09	2019-10-26	Y
4122-07	010	8000000000265	2019-10-27	2020-03-31	Y
4122-07	020	8000000000265	2020-04-01	2020-05-26	N

Note: The third record is set to N since the program school does not match the enrollment school.

PSEO Program

Begin Date: The earliest date in the program this school year for this student.

End Date: The latest date in the program this school year for this student. If the end date is empty, the system will assume the student is in the program through the end of the enrollment period for this school year.

PSEO High School Hours: Number of High School membership hours reported for PSEO students. If the PSEO High School Hours is empty, the system will translate it to 0 hours.

MARSS Translation Logic: If reported as PSEO for at least one day during the enrollment period in that district, the system will set PSEO indicator = Y in MARSS on that enrollment record. However, the system will only transfer the PSEO High School Hours if the school and the begin date on the enrollment record matches the school and begin date in the program record.

Example 1 for PSEO Program

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date	PSEO High School Hours
4122-07	010	8000000000444	2019-09-09	2020-01-03	170
4122-07	010	8000000000444	2020-01-04		258

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	PSEO Indicator	PSEO High School Hours
4122-07	010	8000000000444	2019-09-09	2020-12-31	Y	170
4122-07	010	8000000000444	2020-01-04	2020-04-03	Y	258
4122-07	010	8000000000444	2020-04-04	2020-05-26	Y	0

Note: Although the PSEO program appears to span the entire year, the enrollment dates do not match on one of the records. The third enrollment record has the PSEO indicator set to Y, but there are no hours to transfer for that enrolled school and begin date.

Example 2 for PSEO Program

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date	PSEO High School Hours
0625-01	698	8000000000321	2019-09-09	2020-01-03	250
0625-01	698	8000000000321	2020-01-04	2020-05-31	450

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	PSEO Indicator	PSEO High School Hours
0625-01	698	8000000000321	2019-09-09	2020-05-31	Y	250

Note: The PSEO hours are only transferred to the enrollment record that has a matching school and begin date with the program record. The second program record is ignored in this case.

Example 3 for PSEO Program

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date	PSEO High School Hours
0011-01	230	8000000000906	2019-09-09	2020-01-03	250
0011-01	230	8000000000906	2020-01-04	2020-05-31	450

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	PSEO Indicator	PSEO High School Hours
0011-01	451	8000000000906	2019-09-09	2020-01-02	Y	0
0011-01	230	8000000000906	2020-01-03	2020-05-31	Y	0

Note: The PSEO indicator is set to Y on both records since the program record time period overlaps the enrollment time period. However, neither of the PSEO High School Hours can be transferred since the school does not match on the first record and the begin date does not match on the second record.

State-Approved Alternative Programs (SAAP)

Begin Date: The earliest date in the program this school year for this student.

End Date: The latest date in the program this school year for this student. If the end date is empty, the system will assume the student is in the program through the end of the enrollment period for this school year.

Independent Study: A 1/0 indicator (1 = Yes, 0 = No). If set to 1, the system will set the MARSS Independent Study Indicator = Y. If 0 (or missing) the system will set the MARSS Independent Study Indicator to N.

SAAP Credits: The number of credits or partial credits reported for the student for the program time period.

SAAP Concurrent: A 1/0 indicator (1 = Yes, 0 = No). If set to 1, the system will set the MARSS percent enrolled to 998.

MARSS Translation Logic: If reported as SAAP, the system will only recognize the records if the district, the school and the begin date on the program record matches the district, the school and the begin date on the enrollment record. If so, the system will set the MARSS Independent Study Indicator and the Percent Enrolled as described above.

Note: Students are only required to have a SAAP program record if they:

- Are SAAP Independent Study (is only possible in schools with classification 41, 42, and 43).
- Are SAAP Concurrent Enrollments (is only possible in schools with classifications 41 and 42).
- Have SAAP credits (is only possible in schools with classification 41, 42, and 43).

Example 1 for SAAP

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date	Independent Study Indicator	SAAP Credits	SAAP Concurrent Indicator
2534-01	025	8000000000111	2019-09-09	2020-01-03	0	0.62	1
2534-01	025	8000000000111	2020-01-04	2020-06-01	1	4.38	0

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Independent Study Indicator	Percent Enrolled
2534-01	025	8000000000111	2019-09-09	2020-12-31	N	998
2534-01	025	8000000000111	2020-01-04	2020-04-03	Y	999

School Food Service

Begin Date: The earliest date the student was certified as eligible for Free/Reduced Priced (FRP) meals in this school year.

End Date: The latest date in the program this school year for this student. If the end date is empty, the system will assume the student is in the program through the end of the enrollment period for this school year.

FRP Meal Code: The code indicated eligibility for Free Meals or Reduced Priced Meals (FRP). The FRP Meal Code should exist for the information to be translated into the MARSS Economic indicator Code. If missing, it will be translated as Economic Indicator Code = 0 – Not Eligible for FRP Meals.

MARSS Translation Logic:

There are several steps to convert the Ed-Fi FRP program code to the MARSSWES Economic Indicator Code. This logic changes depending on the date of the extract compared to the closing of the FALL submission cycle.

FALL Extracts: If the transformation date is on or before the final FALL submission for that year:

- If the food service program record begins on or before December 15, the corresponding FRP Meal Code will be set as the Economic Indicator code on all enrollment records for the student in that district for that year.
- If there are 2 or more food service program records beginning on or before December 15, the higher value FRP code will be used
- Any other food service program records beginning after December 15 will be ignored.
- If December 15 falls on a weekend, the following Monday is used as the cutoff date.

End-of-Year (EOY) Extracts: If the transformation date is after the final FALL submission for that year:

- The highest FRP Meal Code at any time during the year will be set as the Economic Indicator code on all enrollment records for the student in that district for that year.

For both extract cycles:

- The schools do not need to match between the program record and the enrollment record.
- The program begin and end dates do not need to match to the enrollment dates.
- There does not need to be any enrollment period overlapping the program period. If identified as FRP, the highest value (following the extract rules above) will be used on all enrollment records.
- Program records that end before July 1, of the previous school year are not used in the translation process.

Example 1 for School Food Service

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date	FRP Meal Code
0535-01	010	8000000000585	2019-08-27	2020-01-31	2

This shows how the MARSS enrollment records appear after the translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Economic Indicator Code
0535-01	110	8000000000585	2019-07-09	2019-10-26	2
0535-01	124	8000000000585	2019-10-27	2020-03-31	2
0535-01	124	8000000000585	2020-04-01	2020-05-31	2

Note: Although the program record ends on Jan 31, the April 1 enrollment record is still marked as code 2 – eligible for free meals.

Example 2 for School Food Service

This shows how the program records are represented for a student.

District	School	MARSS Number	Begin Date	End Date	FRP Meal Code
0535-01	010	8000000000336	2019-08-27	2020-01-31	2
0535-01	010	8000000000336	2020-02-27	2020-06-15	1

This shows how the MARSS enrollment records appear after the translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Economic Indicator Code
0535-01	110	8000000000336	2019-07-09	2019-10-26	2
0535-01	124	8000000000336	2019-10-27	2020-03-31	2
0535-01	124	8000000000336	2020-04-01	2020-05-31	2

Note: Although the program record changed to code 1 (Reduced Priced) on Feb 27, the April 1 record is still set to code 2.

Example 3 for School Food Service

This shows how the program records are represented for a student.

District	School	MARSS Number	Begin Date	End Date	FRP Meal Code
0535-01	010	8000000000589	2019-08-27	2020-01-31	1
0535-01	010	8000000000589	2020-02-01	2020-06-15	2

IF EXTRACTED ON DECEMBER 30 (before the final FALL submissions closes):
 This shows how the MARSS enrollment record appear after the translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Economic Indicator Code
0535-01	110	8000000000589	2019-07-09	2019-6-15	1

Note: The highest FRP code that was in effect prior to December 15 is used when the extract occurs before the final fall submission.

IF EXTRACTED ON FEBRUARY 15 (after the final FALL submissions closes):
 This shows how the MARSS enrollment record appear after the translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Economic Indicator Code
0535-01	110	8000000000589	2019-07-09	2019-6-15	2

Note: The highest FRP code that was in effect during the year is used when the extract occurs after the final fall submission.

Section 504 Plan

Begin Date: The earliest date in the program this school year for this student.

End Date: The latest date in the program this school year for this student. If the end date is empty, the system will assume the student is in the program through the end of the enrollment period for this school year.

MARSS Translation Logic: If reported as Section 504 Plan for at least one day during the enrollment period in that district, the system will set the MARSS Primary Disability Code to 54 if the Special Education Status is 1 or 2 on that enrollment record. If Special Education Status = 3, the system will set the MARSS Primary Disability Code to 54 only if a Primary Disability Code does not exist. Any other special education status (4-7) would not change - even though the Section 504 Plan program exists.

- The schools do not need to match between the program record and the enrollment record.
- The program begin and end dates do not need to match to the enrollment dates, an overlapping time period between the enrollment and the program will translate the Disability Code to 54.
- Students with Special Education Status 1 or 2 have the program information transferred to the MARSS record.
- Students with Special Education Status 3 without a Primary Disability Code have the program information transferred to the MARSS record.

Example for Section 504 Plan

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date
0535-01	110	8000000000068	2019-09-09	2020-05-26

This shows the two Ed-Fi Student School Association records for this student.

District	School	MARSS Number	Entry Date	Exit Withdraw Date	Special Education Status	Primary Disability Code
0535-01	116	8000000000068	2019-10-03	2019-12-31	1	00
0535-01	120	8000000000068	2020-01-02	2019-05-26	4	07

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Special Education Status	Primary Disability Code
0535-01	116	8000000000068	2019-10-03	2019-12-31	1	54
0535-01	120	8000000000068	2020-01-02	2019-05-26	4	07

Note: The second enrollment records has Special Education Status = 4 so the Primary Disability Code was not adjusted.

Special Education

Begin Date: The earliest date in the program this school year for this student.

End Date: The latest date in the program this school year for this student. If the end date is empty, the system will assume the student is in the program through the end of the enrollment period for this school year.

Setting Code: The Special Education Instructional Setting. If setting is missing, the system will set it to 00 in the matching MARSS record.

Disability Code: The Special Education Disability Code. If disability code is missing, the system will set it to 00 in the matching MARSS record.

Order of Disability: The order of the disability. A 1 designates the Primary Disability Code. If Order of Disability is missing, the system will set Primary Disability Code to 00 on the matching MARSS record. Order of Disability must be a 1 for the system to recognize it as the MARSS Primary Disability Code. If more than one disability code has the Order of Disability = 1, the primary disability cannot be determined and the system will set the Primary Disability Code to 00 on the matching MARSS record.

Service Hours: The special education service hours for the program period. If service hours are missing, the system will set it to 0.0 in the matching MARSS record.

MARSS Translation Logic: If reported in the Special Education program, the system will only recognize the records if the district, the school and the begin date on the program record matches the district, the school and the entry date on the enrollment record. If so, the system will set the MARSS Instructional Setting, Primary Disability Code and Services Hours as described above. Additionally, only those students with a Special Education Status of 3-7 are evaluated and have the Special Education information translated into the MARSS record. Special Education Status 1 and 2 do not require the setting, the disability or the service hours and are not translated into the MARSS record.

- The schools must match between the program record and the enrollment record.
- The program begin dates must match the enrollment dates.
- Only students with Special Education Status 3 – 7 have the program information translated in the MARSS enrollment record.

Example 1 for Special Education

This shows how the program records are represented for a student.

District	School	MARSS Number	Begin Date	End Date	Setting Code	Disability Code	Order of Disability	Service Hours
2534-01	025	8000000000021	2019-09-09	2020-01-22	5	03	1	50.5
						06	2	
2534-01	025	8000000000021	2020-01-23	2020-05-26	1	07	1	128.0

This shows the two Ed-Fi Student School Association records for this student.

District	School	MARSS Number	Entry Date	Exit Withdraw Date	Special Education Status
2534-01	025	8000000000021	2019-09-09	2020-01-22	4
2534-01	025	8000000000021	2020-01-23	2019-05-26	4

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Special Education Status	Setting Code	Primary Disability Code	Service Hours
2534-01	025	8000000000021	2019-09-09	2020-01-22	4	5	03	50.5
2534-01	025	8000000000021	2020-01-23	2019-05-26	4	1	07	128

Note: The disability code where the order of disability =1 was used for the first enrollment record.

Example 2 for Special Education

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date	Setting Code	Disability Code	Order of Disability	Service Hours
2534-01	025	8000000000998	2019-09-09		05	03	1	515.0

This shows the two Ed-Fi Student School Association records for this student.

District	School	MARSS Number	Entry Date	Exit Withdraw Date	Special Education Status
2534-01	025	8000000000998	2019-09-09	2019-11-30	4
2534-01	025	8000000000998	2019-12-01	2019-05-26	7

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Special Education Status	Setting Code	Primary Disability Code	Service Hours
2534-01	025	8000000000998	2019-09-09	2019-11-30	4	05	03	515.0
2534-01	025	8000000000998	2019-12-01	2019-05-26	7	00	00	0

Note: Although the special education record appears to span the entire year, only one of the enrollment records have the matching begin dates and school numbers. The information was transferred to the first record. The second record doesn't have a program association and will generate an error when validated in MARSSWES since the special education information is missing.

Example 3 for Special Education

This shows how the program records are represented for a student.

District	School	MARSS Number	Begin Date	End Date	Setting Code	Disability Code	Order of Disability	Service Hours
2534-01	025	8000000000352	2019-09-09	2020-06-01	05	03	1	658.0
2534-01	025	8000000000352	2019-09-09	2020-06-01		06	1	

This shows the Ed-Fi Student School Association record for this student.

District	School	MARSS Number	Entry Date	Exit Withdraw Date	Special Education Status
2534-01	025	8000000000352	2019-09-09	2020-06-01	4

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Special Education Status	Setting Code	Primary Disability Code	Service Hours
2534-01	025	8000000000352	2019-09-09	2020-06-01	4	05	00	658.0

Note: Although disability codes exist in the program records, the primary disability code cannot be determined. This will generate an error when validated in MARSSWES since the primary disability code is missing.

Title I Part A

Begin Date: The earliest date in the program this school year for this student.

End Date: The latest date in the program this school year for this student. If the end date is empty, the system will assume the student is in the program through the end of the enrollment period for this school year.

MARSS Translation Logic: If reported as Title I for at least one day during the enrollment period in that district, the system will set Title I indicator = Y in MARSS on that enrollment record.

- The schools must match between the program record and the enrollment record.
- The program begin and end dates do not need to match to the enrollment dates, an overlapping time period will set the indicator to Y on the enrollment record.

Example for Title I Part A

This shows how the program record is represented for a student.

District	School	MARSS Number	Begin Date	End Date
0535-01	110	8000000000881	2019-09-09	2020-03-15

This shows how the MARSS enrollment records appear after translation.

District	School	MARSS Number	Status Begin Date	Status End Date	Title I Indicator
0535-01	310	8000000000881	2019-09-09	2019-10-26	N
0535-01	110	8000000000881	2019-10-27	2020-03-31	Y
0535-01	110	8000000000881	2020-04-01	2020-05-26	N

Note: Even though the program time period overlaps the first enrollment record, the schools do not match so the Title I Indicator is set to N. The third enrollment record does not overlap the program time period so the Title I indicator is set to N.