

Mississippi Student Information System (MSIS)

Business Rule Specification for the School Administration Packages Interface with MSIS

Version 4.5

16 March 2021

**Originally Published
24 December, 1999**

Prepared for:

Mississippi Department of Education

Table of Contents

A.	Transaction Definitions Business Rule Appendix	2
A.1	INTRODUCTION.....	2
A.2	IMPORTANT COMPLIMENTARY DOCUMENTS	2
A.3	TRANSACTION SET LEGEND, ABBREVIATIONS AND NOTATIONS	2
A.4	GENERAL EDITS	3
B.	Transaction Sets.....	4
B.1	TRANSACTION SET ENVELOPE DEFINITION – VERSION 1.0	4
B.2	INITIAL LOAD TRANSACTION DEFINITION – VERSION 1.0	6
B.3	MSIS ID FILE TRANSACTION DEFINITION – VERSION 1.0	8
B.4	MONTHLY - DAYS TAUGHT DATA TRANSACTION DEFINITION – VERSION 1.0.....	9
B.5	MONTHLY - STUDENT DATA TRANSACTION DEFINITION – VERSION 1.0.....	11
	B.5.1 Student Aggregate Business Rules for Monthly Student Data.....	27
	B.5.2 School/District Aggregate Business Rules for Monthly Student Data.....	28
B.6	MONTHLY - STUDENT HISTORICAL RECORD TRANSACTION DEFINITION – VERSION 1.0	29
B.7	DAILY - STUDENT TRANSACTION DEFINITION – VERSION 1.0	37
B.8	SUMMER SCHOOL – STUDENT DATA TRANSACTION DEFINITION	40

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



A. Transaction Definitions Business Rule Appendix

A.1 Introduction

The following business rules apply to the student data gathered by the School Administration Packages (SAP) and exported into XML format for import into MSIS. This document is intended to clarify the edits that MSIS will perform before successful import of the student data into the Student Data Virtual Holding Area in MSIS. These business rule edits correspond to the Context Sensitive edits referred to in the *School Package – MSIS Interface Process Whitepaper*, v 1. 1.

A.2 Important Complimentary Documents

This document should be used in conjunction with the following documentation:

Interface Specification for School Administration Packages, v. 1.6B

School – Package MSIS Interface Process Whitepaper, v. 1.1

A.3 Transaction Set Legend, Abbreviations and Notations

ISSAP16 -- Interface Specification for School Administration Packages, v 1.6B

B1 – Transaction Set Envelope

B2 – Initial Load Transaction Set

B3 – MSIS ID File Transaction Set

B4 – Monthly Days Taught Data Transaction Set

B5 – Monthly Student Data Transaction Set

B6 – Monthly Student Historical Record Transaction Set

B7 – Daily Student Data Transaction Set

B8 – Summer School Student Data Transaction Set

WARNINGS: Business rules that elicit a warning message but do not automatically lead to the rejection of a record will be marked in Blue.

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



A.4 General Edits

These generic rules apply to all fields in the MSIS – School Administration Package Interface.

Tag	Data Element Name	Business Rule Description
All	N/A	All Data for Code fields sent must have a valid state approved code. These codes can be found in Appendix C and D of the <i>Interface Specification for School Administration Packages, v 1.6A (ISSAP16)</i> .
All	N/A	All numbers must be ≥ 0
All	N/A	All values which exceed the maximum length for a given data element will be truncated.
All	N/A	Where specifically allowed (see business rules below), placing '?' as the tag value will remove previous district-approved optional values from the MSIS database. EXAMPLE: If a student's SSN was previously submitted, approved and inserted into the MSIS database as 999-99-9999 and then it was later determined that this was an incorrect SSN, this value can be removed from the MSIS database by submitting a '?' for the SSN during the next Monthly Transaction.

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



B. Transaction Sets

The Transaction Sets, Tags and Data Elements in the below tables correspond directly to those listed in the *Interface Specification for School Administration Packages*, v. 1.6B.

B.1 Transaction Set Envelope Definition – Version 1.0

The following edits apply to the specified field within the Transaction Set Envelope.

Tag	Data Element Name	Business Rule Description
SAP_TRANS	N/A	N/A
VERSION	TransactionV	1) Starts with 1.0 2) Increments by 1.0
DTG	DateTimeGroup	1) FORMAT <MM-DD-YYYY HH:MM:SS TIMEZONE> 2) Time must be in Central Standard Time 3) HH in 24 Hour denotation 4) TIMEZONE CST – Central Standard Time
DISTRICT	DistrictNum	1) Must be valid District Number from ISSAP16.D.4 MDE Table 2) FORMAT 0009 – Leading Zeroes
SCHOOL	SchoolNum	1) Must be valid School Number from ISSAP16.D11 MDE Table 2) FORMAT 009 – Leading Zeroes 3) School Number cannot equal '200' or '500'
PERIOD	RepPeriod	1) 01 <= PERIOD <= 09 for all transactions excluding the summer school transaction which must equal 10. 2) PERIOD = 01 for the beginning of School through the end of September PERIOD = 09 for the first of May through the end of the school year. PERIOD = 10 for Summer School 3) FORMAT 09

Table B-1. Transaction Set Envelope Business Rule Definition

The Transaction Set Envelope will preface each of the following transactions: Initial Load, Monthly – DaysTaught Data, Monthly – Student Data, Monthly – Student Historical Record, Daily – Student Data, Summer School – Student Data, and MSIS Transaction Result. The following is an example of an MSIS School Administration Package interface transaction set envelope:

Note: The actual MSIS DTD filename must be used in order for the Transaction to run successfully. Please refer to the Transaction Definitions Appendix B.

```
<?xml version = "1.0" encoding = "UTF-8" standalone = "no" ?>
```

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education.

Unauthorized use or disclosure is expressly prohibited.



```
<!DOCTYPE SAP_TRANS SYSTEM "xxxxxxxxx.DTD">
<SAP_TRANS>
  <VERSION>1.0</VERSION>
  <DTG>06-19-1999 13:00:05 CST</DTG>
  <DISTRICT>0013</DISTRICT>
  <SCHOOL>002</SCHOOL>
  <PERIOD>01</PERIOD>
  one or more transactions
</SAP_TRANS>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



B.2 Initial Load Transaction Definition – Version 1.0

The following edits apply to the specified field within Initial Load Transaction Set.

Tag	Data Element Name	Business Rule Description
TR_LOAD	N/A	None
T_VERSION	TransactionV	<ol style="list-style-type: none"> Starts with 1.0 Increments by 1.0 Each Modified Initial Load Transaction Set representing the same set of data generates a new version.
TRACK_ID	TrackId	<ol style="list-style-type: none"> FORMAT <DISTRICT NUMBER>- (0009) <SCHOOL NUMBER>- (009) <DATE>- (MM-DD-YYYY) <SEQUENCE NUMBER> (00009) District Number must match value of B1.DISTRICT (Transaction Header) School Number must match value of B1.SCHOOL (Transaction Header)
STUDENT	N/A	N/A
UID	Uniqueld	1) UID must be UNIQUE by school (i.e. Two students in the same school cannot have the same UID).
FNAME	LegalFirstName	NONE
MNAME	MiddleName	NONE
LNAME	LegalLastName	NONE
SSN	SSN	<ol style="list-style-type: none"> Contains only numbers (0-9) FORMAT 999999999
DOB	BirthDate	<ol style="list-style-type: none"> FORMAT MM-DD-YYYY or MM/DD/YYYY 01-01-1970 <= DOB <= Current Date

Table B-2. Initial Load Transaction Business Rule Definition

The following is an example of the Initial Load Transaction Definition – Version 1.0:

```
<TR_LOAD>
  <T_VERSION>1.0</T_VERSION>
  <TRACK_ID>0024-004-04-19-1998-00001</TRACK_ID>
  <STUDENT>
    <UID>000001234</UID>
    <FNAME>JOHN</FNAME>
```

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



```
<MNAME>E</MNAME>  
<LNAME>DOE</LNAME>  
<SSN>001234567</SSN>  
<DOB>01-01-1988</DOB>  
</STUDENT>  
</TR_LOAD>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



B.3 MSIS ID File Transaction Definition – Version 1.0

The following edits apply to the specified field within MSIS ID File Transaction Set.

Tag	Data Element Name	Business Rule Description
TR_ASSIGN_ID	N/A	N/A
T_VERSION	TransactionV	<ol style="list-style-type: none"> 1) Starts with 1.0 2) Increments by 1.0 3) Each Modified MSIS ID File Transaction Set representing the same set of data generates a new version.
TRACK_ID	TrackId	<ol style="list-style-type: none"> 1) FORMAT <DISTRICT NUMBER>- (0009) <SCHOOL NUMBER>- (009) <DATE>- (MM-DD-YYYY) <SEQUENCE NUMBER> (00009) 2) District Number must match value of B1.DISTRICT (Transaction Header) 3) School Number must match value of B1.SCHOOL (Transaction Header)
STUDENT	N/A	N/A
UID	Uniqueld	1) Exact Same format as value received in Transaction Set B2
MSISID	MSISStudent Id	1) FORMAT 000000009

Table B-3. MSIS ID File Transaction Business Rule Definition

The following is an example of the MSIS ID File Transaction Definition – Version 1.0:

```

<TR_ASSIGN_ID>
  <T_VERSION>1.0</T_VERSION>
  <TRACK_ID>0024-004-04-19-1998-00001</TRACK_ID>
  <STUDENT>
    <UID>000001234</UID>
    <MSISID>000111222</MSISID>
  </STUDENT>
</TR_ASSIGN_ID>

```

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



B.4 Monthly - DaysTaught Data Transaction Definition – Version 1.0

The following edits apply to the specified field within the Days Taught Data Transaction Set. These business rule edits will be checked at the time of insertion of the fields into the MSIS Student Data Virtual Holding Area.

Tag	Data Element Name	Business Rule Description
TR_DAYS	N/A	N/A
T_VERSION	TransactionV	<ol style="list-style-type: none"> Starts with 1.0 Increments by 1.0 Each Modified Monthly Days Taught Data Transaction Set representing the same set of data generates a new version.
TRACK_ID	TrackId	<ol style="list-style-type: none"> FORMAT <DISTRICT NUMBER>- (0009) <SCHOOL NUMBER>- (009) <DATE>- (MM-DD-YYYY) <SEQUENCE NUMBER> (00009) District Number must match value of B1.DISTRICT (Transaction Header) School Number must match value of B1.SCHOOL (Transaction Header)
GRADEDAYS	N/A	N/A
GRADE	GradeLevel	<ol style="list-style-type: none"> Must be valid Grade Level from ISSAP16.D.8 MDE Table FORMAT 09 Must be valid Grade Taught for School
DAYSTAUGHT	DaysTaughtGrade	<ol style="list-style-type: none"> Must be less than or equal to the total number of days within the reporting period For reporting month 01 the maximum number of days is 66 and for month 09 the maximum number of days is 45. For months 2 through 8 it is 27. For month 10 the maximum number of days is 60.

Table B-4. Monthly - DaysTaught Data Transaction Business Rule Definition

The following is an example of a Monthly - DaysTaught Data Transaction Definition:

```
<TR_DAYS>
  <T_VERSION>1.0</T_VERSION>
  <TRACK_ID>0124-004-04-19-1998-00001</TRACK_ID>
```

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



```
<GRADEDAYS>
  <GRADE>09</GRADE>
  <DAYSTAUGHT>20</DAYSTAUGHT>
</GRADEDAYS>
<GRADEDAYS>
  <GRADE>10</GRADE>
  <DAYSTAUGHT>19</DAYSTAUGHT>
</GRADEDAYS>
<GRADEDAYS>
  <GRADE>11</GRADE>
  <DAYSTAUGHT>19</DAYSTAUGHT>
</GRADEDAYS>
<GRADEDAYS>
  <GRADE>12</GRADE>
  <DAYSTAUGHT>19</DAYSTAUGHT>
</GRADEDAYS>
</TR_DAYS>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



B.5 Monthly - Student Data Transaction Definition – Version 1.0

The following edits apply to the specified field within the Monthly Student Data Transaction Set. These business rule edits will be checked at the time of insertion of the fields into the MSIS Student Data Virtual Holding Area.

Tag	Data Element Name	Business Rule Description
TR_STUDENT	N/A	N/A
T_VERSION	TransactionV	<ol style="list-style-type: none"> Starts with 1.0 Increments by 1.0 Each Modified Monthly Student Data Transaction Set representing the same set of data generates a new version.
TRACK_ID	TrackId	<ol style="list-style-type: none"> FORMAT <DISTRICT NUMBER>- (0009) <SCHOOL NUMBER>- (009) <DATE>- (MM-DD-YYYY) <SEQUENCE NUMBER> (00009) District Number must match value of B1.DISTRICT (Transaction Header) School Number must match value of B1.SCHOOL (Transaction Header)
UPDATE	UpdateInd	<ol style="list-style-type: none"> Must be 'Y' or 'N'
STUDENT	N/A	N/A
MSISID	MSISStudentID	<ol style="list-style-type: none"> Must exist in MSIS FORMAT 000000009
UID	Uniqueld	<ol style="list-style-type: none"> UID must be UNIQUE by school (i.e. Two students in the same school cannot have the same UID).
S_FNAME	LegalFirstName	NONE
S_MNAME	MiddleName	<ol style="list-style-type: none"> A NULL value can be represented with a question mark '?'
S_LNAME	LegalLastName	NONE
SSN	SSN	<ol style="list-style-type: none"> FORMAT 999999999 A NULL value can be represented with a question mark '?'
DOB	BirthDate	<ol style="list-style-type: none"> FORMAT MM-DD-YYYY or MM/DD/YYYY 01-01-1970 <= DOB <= Current Date Must match the DOB in MSIS for the student
BSTATE	BirthState	<ol style="list-style-type: none"> Must be valid State from ISSAP16.C.6 Enumerated List.
GENDER	GenderCode	<ol style="list-style-type: none"> Must be valid Gender Code from ISSAP16.D.7 MDE Table

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



Tag	Data Element Name	Business Rule Description
RACE	RaceCode	1) Must be valid Race Code from MDE ISSAP16.D10 Table
RACE2, ...RACE6	RaceCode	1) Must be valid Race Code from MDE ISSAP16.D10 Table
ETHNIC	EthnicityCode	1) Must be 'Y' or 'N'
GIFTEDIND	GiftedStudentInd	1) Must be 'Y' or 'N'
PII	PII	1) Must be 'Y' or 'N'
FEXCHANGE	FEXCHANGE	1) Must be 'Y' or 'N'
GIFTEDDESC	GiftedStudentDesc	1) Must be valid Gifted Type from ISSAP16.C.4 Enumerated List. 2) Required if GIFTEDIND = 'Y'
VOCATIONAL	VocationalInd	1) Must be 'Y' or 'N' 2) If Y then a vocational course must exist in the student's schedule.
TECHPREPPROG	TechPrepProgInd	1) Must be 'Y' or 'N'
SPECED	SpecEdInd	1) Must be 'Y' or 'N'
FIVEOFOUR	FIVEOFOUR	1) Must be 'Y' or 'N'
CEIS	CEISInd	1) Must be 'Y' or 'N'
LEP	LEPInd	1) Must be 'Y' or 'N'
IEP	IEPInd	1) Must be 'Y' or 'N'
MIGRANT	MigrantInd	1) Must be 'Y' or 'N'
IMMIGRANT	ImmigrantInd	1) Must be 'Y' or 'N'
TITLEIELIG	TitleEligInd	1) Must be 'Y' or 'N'
TITLEIFOSTER	TitleFosterInd	1) Must be 'Y' or 'N'
TITLEIREAD	TitleReadingInd	1) Must be 'Y' or 'N'
TITLEILANG	TitleLangInd	1) Must be 'Y' or 'N'
TITLEIMATH	TitleMathInd	1) Must be 'Y' or 'N'
TITLEIHOME	TitleHomelessInd	1) Must be 'Y' or 'N'
TITLEINEGL	TitleNeglectInd	1) Must be 'Y' or 'N'
S_GRADE	CurrentGradeLvl	1) Must be valid Grade Level from ISSAP16.D.8 MDE Table 2) FORMAT 09 3) Must be valid Grade Taught for School
P_GRADE	PeerGradeLvl	4) Must be valid Grade Level from ISSAP16.D.8 MDE Table 5) FORMAT 09
PATHWAY	PathwayInd	1) Must be valid Diploma/Graduation Track from ISSAP16.D.13 MDE Table
ALIAS	N/A	N/A
A_FNAME	AliasFName	1) Must be a value different from B5.S_FNAME
A_MNAME	AliasMName	Must be a value different from B5.S_MNAME
A_LNAME	AliasLName	1) Must be a different value from B5.S_LNAME

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



Tag	Data Element Name	Business Rule Description
EMERGENCY	N/A	N/A.
E_FNAME	EmergFirstName	NONE
E_LNAME	EmergLastName	NONE
E_STREET1	EmergStreet1	NONE
E_STREET2	EmergStreet2	NONE
E_CITY	EmergCity	NONE
E_STATE	EmergState	Must be valid State from ISSAP16.C.6 Enumerated List
E_ZIP	EmergZip	NONE
E_ZIP4	EmergZip4	NONE
E_PHONENUM	EmergPhoneNum	NONE
PHONEEXT	EmergPhoneExt	NONE
WORKPLACE	EmergWorkPlace	NONE
WORKPHONE	EmergWorkNum	NONE
WORKEXT	EmergWorkExt	NONE
RELATIONSHIP	EmergRel	NONE
PERMADDR	N/A	N/A
P_FNAME	PGFirstName	NONE
P_LNAME	PGLastName	NONE
P_ADDR1	PermAddr1	NONE
P_ADDR2	PermAddr2	1) A NULL value can be represented with a question mark '?'
P_CITY	PermCity	NONE
P_STATE	PermState	1) Must be valid State from ISSAP16.C.6 Enumerated List
P_ZIP	PermZip	NONE
P_ZIP4	PermZip4	1) A NULL value can be represented with a question mark '?'
P_COUNTYCODE	PermCounty	1) Must be valid County Code from ISSAP16.D.2 MDE Table
P_PHONENUM	PermPhoneNum	1) A NULL value can be represented with a question mark '?'
P_MILITARY	PGMilitary	1) Must be 'Y' or 'N'
P_MTYPE	PGMType	1) Must be 'AD' or 'NG'
INCIDENT	N/A	N/A
I_DATE	IncidentDate	1) I_DATE <= Current Date 2) FORMAT MM-DD-YYYY or MM/DD/YYYY 3) WARNING: I_DATE not in Current Reporting Month 4) WARNING: Multiple Incident records for the Current Reporting Period with the same I_DATE.
LOC	IncidentLocCode	1) Must be 'S', 'B' or 'O'

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



Tag	Data Element Name	Business Rule Description
BYFNAME	IncidentReportedByFirst	NONE
BYLNAME	IncidentReportedByLast	NONE
BYTYPE	IncidentReportedByCode	1) Must be 'S','N','T' or 'O'
TYPE	IncidentType	1) Must be valid Incident Type from ISSAP16.C.5 Enumerated List 2) WARNING: Multiple Incident records for Current Reporting Period with the same TYPE.
WEAPON	WeaponType	1) Must be valid Weapon Type from ISSAP16.C.8 Enumerated List
DESC	IncidentDesc	NONE
DISPTYPE	DispType	1) Must be valid Disposition Type from ISSAP16.C.3 Enumerated List. 2) WARNING: Multiple Incident records for Current Reporting Period with the same DISPTYPE.
DISPDESC	DispDesc	NONE
DISPSTART	DispStartDate	1) FORMAT MM-DD-YYYY or MM/DD/YYYY
DISPEND	DispEndDate	1) DISPEND >= DISPSTART 2) FORMAT MM-DD-YYYY or MM/DD/YYYY
DISPDURATION	DispDuration	NONE
ALTSCHOOL	N/A	N/A
DISTRICTNUM	AltDistrictNum	1) Must be valid District Number from ISSAP16.D.4 MDE Table 2) FORMAT 0009 – Leading Zeroes
SCHOOLNUM	AltSchoolNum	1) Must be valid School Number from ISSAP16.D11 MDE Table 2) FORMAT 009 – Leading Zeroes
PROMOTE	N/A	N/A
PROMOTION	PromoteInd	1) Must be 'Y' or 'N' 2) Required in Month 9 **Any student that withdrew in Month 9 does not include the PROMOTE tags. 3) Required if the student withdrawals during the year with a 'C1' or 'C2'
P_DATE	PromoteDate	1) FORMAT MM-DD-YYYY or MM/DD/YYYY 2) Required if the student withdrawals during the year with a 'C1' or 'C2'

*This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



Tag	Data Element Name	Business Rule Description
GRADCODE	GraduationType	<ol style="list-style-type: none"> 1) Must be valid Graduation Type from ISSAP16.D.9 MDE Table. 2) May NOT have multiple GRADCODE entries for same student. 3) Required if the student withdrawals during the year with a 'C1' or 'C2'
GRADENDR1	Diploma Endorsement	<ol style="list-style-type: none"> 4) Must be valid Diploma Endorsement
GRADENDR2	Diploma Endorsement	<ol style="list-style-type: none"> 5) Must be valid Diploma Endorsement
ENTRANCE	N/A	N/A
E_DATE	EntranceDate	<ol style="list-style-type: none"> 1) E_DATE must be in Current Reporting Month 2) WARNING: Duplicate E_DATE entries for same student 3) IF B5.E_CODE = R1 then E_DATE > LAST W_DATE for Student 4) May NOT have consecutive W_DATE entries. Must have a B5.E_CODE and B5.E_DATE in between multiple W_DATE entries. 5) FORMAT MM-DD-YYYY or MM/DD/YYYY 6) A student with a previous withdrawal of 'C1' or 'C2' can not enter a school
E_CODE	EntranceCode	<ol style="list-style-type: none"> 1) Must be a valid Entry Code from ISSAP16.D.6 MDE Table 2) E_CODE can not equal R1 unless a B5.W_CODE exists for the student.
E_GRADE	EntranceGrade	<ol style="list-style-type: none"> 1) Must be valid Grade Level from ISSAP16.D.8 MDE Table 2) FORMAT 09 3) Must be valid Grade Taught for School
E_DAYSOFFROLL	DaysOffRoll	<ol style="list-style-type: none"> 1) B4.DaysTaught >= DAYSOFFROLL For current Reporting Period (B1.PERIOD) and Current Grade (B5.S_GRADE). 2) DAYSOFFROLL MUST = 0 IF B5.E_GRADE IN (62, 52) 3) WARNING: DAYSOFFROLL = 0 IF B5.E_GRADE NOT IN (62, 52) AND R5.E_CODE IN (E2, E3, E4, E5, E6, R1)
WITHDRAWAL	N/A	N/A

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



Tag	Data Element Name	Business Rule Description
W_DATE	WithdrawDate	<ol style="list-style-type: none"> 1) W_DATE must be in Current Reporting Month 2) FORMAT MM-DD-YYYY or MM/DD/YYYY 3) WARNING: Duplicate W_DATE entries for same student 4) May NOT have consecutive W_DATE entries. Must have a B5.E_CODE and B5.E_DATE in between multiple W_DATE entries.
W_CODE	WithdrawCode	<ol style="list-style-type: none"> 1) Must be a valid Withdrawal Code from ISSAP16.D.6 MDE Table 2) W_CODE of 'C1' or 'C2' is not allow in M9
W_DAYSOFFROLL	DaysOffRoll	<ol style="list-style-type: none"> 1) B4.DaysTaught >= DAYSOFFROLL For current Reporting Period (B1.PERIOD) and Current Grade (B5.W_GRADE). 2) DAYSOFFROLL MUST = 0 IF B5.W_GRADE IN (62, 52)
W_GRADE	WithdrawalGrade	<ol style="list-style-type: none"> 1) Must be valid Grade Level from ISSAP16.D.8 MDE Table 2) FORMAT 09 3) Must be valid Grade Taught for School 4) Must match the grade for the student's last enrollment at the school
DROPOUT	N/A	N/A
D_CODE	DropoutCode	<ol style="list-style-type: none"> 1) Must be a valid Dropout Code from ISSAP16.D.5 MDE Table 2) If multiple WITHDRAWALS are listed, the WITHDRAWAL corresponding with the DROPOUT must be the last one listed.
REENTRY	N/A	N/A
R_DATE	ReentryDate	<ol style="list-style-type: none"> 1) R_DATE must be in Current Reporting Period 2) FORMAT MM-DD-YYYY or MM/DD/YYYY 3) WARNING: Duplicate R_DATE entries for same student 4) R_DATE >= last B5.W_DATE for this student. This B5.W_DATE is the withdrawal that corresponds with the dropout since REENTRY is only used to reenter from a dropout.

*This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



Tag	Data Element Name	Business Rule Description
R_CODE	ReentryCode	<ol style="list-style-type: none"> 1) Must be a valid Reentry Code from ISSAP16.D.5 MDE Table 2) Can not Re-enter a student for a reason other than the reason they dropped out. R_CODE must correspond to last B5.D_CODE.
R_DAYSOFFROLL	DaysOffRoll	<ol style="list-style-type: none"> 1) B4.DaysTaught >= DAYSOFFROLL For current Reporting Period (B1.PERIOD) and Current Grade (B5.S_GRADE). 2) DAYSOFFROLL MUST = 0 IF B5.S_GRADE IN (62, 52) 3) WARNING: DAYSOFFROLL > 0 IF B5.R_GRADE NOT IN (62, 52)
R_GRADE	ReentryGrade	<ol style="list-style-type: none"> 1) Must be valid Grade Level from ISSAP16.D.8 MDE Table 2) FORMAT 09 3) Must be valid Grade Taught for School 4) Must match the grade for the student's dropout from the school
TRANSPORT	N/A	N/A
T_CODE	TransportCode	<ol style="list-style-type: none"> 1) Must be a valid Transportation Type Code from ISSAP16.D.12 MDE Table 2) Can not have T_CODE IF B5.S_GRADE IN (62, 52) – The entire TRANSPORT set of tags must be omitted if the B5.S_GRADE in (62,52). 3) Multiple TRANSPORT tags are accepted when a student transfers to a different grade in the same school. A separate TRANSPORT tag can be sent for each grade.
RESDISTNUM	ResidentDistrictNum	<ol style="list-style-type: none"> 1) Must be valid District Number from ISSAP16.D.4 MDE Table 2) FORMAT 0009 – Leading Zeroes 3) If T_CODE = 'A2' or 'A3' then RESDISTNUM can not equal the district sending the file.
T_GRADE	TransportGrade	<ol style="list-style-type: none"> 1) Must be valid Grade Level from ISSAP16.D.8 MDE Table 2) FORMAT 09 3) Must be valid Grade Taught for School

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



Tag	Data Element Name	Business Rule Description
DAYSTRANS	DaysTransported	1) B4.DaysTaught >= DAYSTRANS For current Reporting Period (B1.PERIOD), Current Transportation Type (B5.T_CODE), and Current Grade (B5.S_GRADE). 2) DAYSTRANS does not exist IF B5.S_GRADE IN (62, 52)
ABSENCE	N/A	N/A
A_DATE	AbsenceDate	1) A_DATE must be in Current Reporting Month 2) FORMAT MM-DD-YYYY or MM/DD/YYYY 3) Duplicate A_DATE entries are not allowed for Same Student 4) Can not have A_DATE IF B5.S_GRADE IN (62, 52) – The entire ABSENCE set of tags must be omitted if the B5.S_GRADE in (62,52).
EXCUSED	ExcusedInd	1) Must be 'Y' or 'N'
ABSENCE50	N/A	N/A
A_DATE50	AbsenceDate	1) A_DATE must be in Current Reporting Month 2) FORMAT MM-DD-YYYY or MM/DD/YYYY 3) Duplicate A_DATE entries are not allowed for Same Student
SCHEDULE	N/A	1) The student's entire schedule should be sent each time.
COURSE	N/A	1) Student's schedules must match the teacher's schedule for all teaching courses. Values are matched on: year, DISTRICT/sharing district, COURSENUM, TERMSEMCODE, TEACHERSSN, and C_PERIOD
COURSENUM	CourseCode	1) Duplicate COURSENUM entries with no LOCALNUM entries are not allowed for the same student. 2) Must be valid Course Code from ISSAP16.D.3 MDE Table
LOCALNUM	LocalCode	1) Duplicate LOCALNUM entries are not allowed for the same student.
LOCALNAME	LocalName	NONE

*This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



Tag	Data Element Name	Business Rule Description
FINALGRADE	FinalGrade	<ol style="list-style-type: none"> 1) Required in M9 for any student who did not withdraw in M9 2) Required for any student that withdrawals with W_CODE = 'C1' or 'C2' 3) If STATUS tag is sent the FINALGRADE is required for the Vocational course.
STATUS	VocStatusInd	<ol style="list-style-type: none"> 1) Must be 'P', 'F' or 'W' 2) If FINALGRADE tag is sent the STATUS is required for the Vocational course.
COMPETPASSED	CompProfileInd	1) Must be 'P', 'F' or 'W'
COMPREPASSED	CompExamInd	1) Must be 'P', 'F' or 'W'
CONTEDEVOC	ContEdVocInd	1) Must be 'Y' or 'N'
CONTEDEACA	ContEdAcademicInd	1) Must be 'Y' or 'N'
CONTEDEPSVOC	ContEdPSVocInd	1) Must be 'Y' or 'N'
PASSFOLLOWUP	PassFollowUpInd	1) Must be 'Y' or 'N'
EMPTRAINED	EmpInFieldInd	1) Must be 'Y' or 'N'
EMPRELATED	EmpRelFieldInd	1) Must be 'Y' or 'N'
EMPNOTREL	EmpNotRelFieldInd	1) Must be 'Y' or 'N'
MILITARY	MilitaryInd	1) Must be 'Y' or 'N'
NONEMPLOYED	NonEmplInd	1) Must be 'Y' or 'N'
OTHER	OtherEmplInd	1) Must be 'Y' or 'N'
VOCPROGLEVEL	VocProgLevel	1) Must be '1' or '2'
CREDITS	Credits	<ol style="list-style-type: none"> 1) If B5.C_GRADE is passing, CREDITS must be equal to numeric equivalent of last two digits of B5.CARNEGIE with appropriate format. 2) If B5.C_GRADE is failing, CREDITS must be equal to 0.0 3) FORMAT 9.9 4) Required at the end of the course 5) Required if the FINALGRADE tag is sent.
CARNEGIE	CarnegieUnits	<ol style="list-style-type: none"> 1) Must be valid Carnegie Unit from ISSAP16.D.1 MDE Table 2) Must be valid Carnegie Unit associated with B5.COURSENUM. <i>MDE will provide a list of valid Carnegie units for each course to the vendors.</i> 3) If B5.C_GRADE is failing, CARNEGIE must be equal to 000 4) Required each month and at the end of the course
CLASS	N/A	N/A

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



Tag	Data Element Name	Business Rule Description
TERMSEMCODE	CourseTermSem	1) Must be valid Term or Semester from ISSAP16.C.7 Enumerated List. 2) Duplicate B5.TERMSEMCODE not allowed for same COURSENUM / LOCALNUM combination. 3) Duplicate B5.TERMSEMCODE not allowed for same COURSENUM with no LOCALNUM. 4) All terms or semesters for a student must be sent. An 'S1' or 'T1' does NOT cover an all year course.
C_PERIOD	ClassPeriod	1) Must be between 01 and 99
SECTION	CourseSection	NONE
MINUTES	ClassMinutes	Must be between 1 and 500 Cannot be greater than the Teacher's Minutes at the same period.
C_GRADE	TermSemGrade	NONE
TEACHERSSN	TeacherSSN	1) Must be a valid Teacher SSN in MSIS Employee table for the DISTRICT or for the district sharing the teacher. 2) FORMAT 999999999
VOCIND	N/A	Required if VOCIND = 'Y' Cannot be sent if VOCIND = 'N'
ACAPASSING	AcademicPassingInd	1) Must be 'Y' or 'N'
IEPPASSED	IEPPassedInd	1) Must be 'Y' or 'N'
PREPOSTTEST	PrePostTestInd	1) Must be 'Y' or 'N'
CAPSTONE	CapstoneInd	1) Must be 'Y' or 'N'
DISABLED	DisabledInd	1) Must be 'Y' or 'N'
DISADV	DisadvantagedInd	1) Must be 'Y' or 'N'
NONTRAD	NonTraditionalInd	1) Must be 'Y' or 'N'
SINGLEPARENT	SingleParentInd	1) Must be 'Y' or 'N'
DISPHOME	DispHomemakerInd	1) Must be 'Y' or 'N'
SPECIALPOP	SpecialPopInd	1) Must be 'Y' or 'N'
GRADELIGIBLE	GradEligibleInd	1) Must be 'Y' or 'N'
UNGRADED	UngradedInd	1) Must be 'Y' or 'N'

Table B-5. Monthly - Student Data Transaction Business Rule Definition

The following is an example of a Monthly - Student Data Transaction Definition:

```
<TR_STUDENT>
  <T_VERSION>1.0</T_VERSION>
  <TRACK_ID>0024-004-09/30/2018-00001</TRACK_ID>
  <UPDATE>Y</UPDATE>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
<STUDENT>
  <MSISID>000111222</MSISID>
  <UID>000001234</UID>
  <S_FNAME>JOHN</S_FNAME>
  <S_MNAME>E</S_MNAME>
  <S_LNAME>DOE</S_LNAME>
  <SSN>001234567</SSN>
  <DOB>01-01-2009</DOB>
  <BSTATE>MS</BSTATE>
  <GENDER>M</GENDER>
  <RACE>B</RACE>
  <RACE_2>W</RACE2>
  <ETHNIC>Y</ETHNIC>
  <PII>N</PII>
  <FEXCHANGE>N</FEXCHANGE>
  <GIFTEDIND>Y</GIFTEDIND>
  <GIFTEDDESC>A</GIFTEDDESC>
  <VOCATIONAL>N</VOCATIONAL>
  <TECHPREPPROG>N</TECHPREPPROG>
  <SPECED>N</SPECED>
  <FIVEOF FOUR>Y</FIVEOF FOUR>
  <CEIS>Y</CEIS>
  <LEP>Y</LEP>
  <IEP>N</IEP>
  <MIGRANT>N</MIGRANT>
  <IMMIGRANT>Y</IMMIGRANT>
  <TITLEIELIG>Y</TITLEIELIG>
  <TITLEIFOSTER>Y</TITLEIFOSTER>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
<TITLEIREAD>Y</TITLEIREAD>
<TITLEILANG>Y</TITLEILANG>
<TITLEIMATH>N</TITLEIMATH>
<TITLEIHOME>N</TITLEIHOME>
<TITLEINEGL>N</TITLEINEGL>
<PATHWAYIND>AE</PATHWAYIND>
<S_GRADE>09</S_GRADE>
<P_GRADE>09</P_GRADE>
<ALIAS>
  <A_FNAME>JACK</A_FNAME>
  <A_LNAME>DOE</A_LNAME>
</ALIAS>
<EMERGENCY>
  <E_FNAME>PAUL</E_FNAME>
  <E_LNAME>DOE</E_LNAME>
  <E_STREET1>222 SOMEWHERE ELSE</E_STREET1>
  <E_CITY>JACKSON</E_CITY>
  <E_STATE>MS</E_STATE>
  <E_ZIP>39211</E_ZIP>
  <E_PHONENUM>6012345678</E_PHONENUM>
  <WORKPLACE>222 MAIN ST, JACKSON</WORKPLACE>
  <WORKPHONE>6017654321</WORKPHONE>
  <WORKEXT>123</WORKEXT>
  <RELATIONSHIP>FATHER</RELATIONSHIP>
</EMERGENCY>
<PERMADDR>
  <P_FNAME>MARY</P_FNAME>
  <P_LNAME>JONES</P_LNAME>
  <P_ADDR1>111 SOMEWHERE</P_ADDR1>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
<P_ADDR2>APT 6</P_ADDR2>
<P_CITY>JACKSON</P_CITY>
<P_COUNTYCODE>01</P_COUNTYCODE>
<P_STATE>MS</P_STATE>
<P_ZIP>39211</P_ZIP>
<P_PHONENUM>6012223333</P_PHONENUM>
<P_MILITARY>Y</P_MILITARY>
<P_MTYPE>NG</P_MTYPE>
</PERMADDR>
<INCIDENT>
  <I_DATE>09-24-2018</I_DATE>
  <LOC>B</LOC>
  <BYFNAME>JOHN</BYFNAME>
  <BYLNAME>SMITH</BYLNAME>
  <BYTYPE>S</BYTYPE>
  <TYPE>TBD</TYPE>
  <WEAPON>TBD</WEAPON>
  <DESC>Description of incident</DESC>
  <DISPTYPE>SUSPENSION</DISPTYPE>
  <DISPDESC>Suspended for 3 days</DISPDESC>
  <DISPSTART>09-24-2018</DISPSTART>
  <DISPEND>09-27-2018</DISPEND>
  <DISPDURATION>3</DISPDURATION>
</INCIDENT>
<ENTRANCE>
  <E_DATE>08-01-2018</E_DATE>
  <E_CODE>E1</E_CODE>
  <E_GRADE>09</E_GRADE>
  <E_DAYSOFFROLL>000</E_DAYSOFFROLL>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
</ENTRANCE>
<TRANSPORT>
  <T_CODE>A3</T_CODE>
  <RESDISTNUM>0012</RESDISTNUM>
  <T_GRADE>09</T_GRADE>
  <DAYSTRANS>010</DAYSTRANS>
</TRANSPORT>
<ABSENCE>
  <A_DATE>09-05-2018</A_DATE>
  <EXCUSED>Y</EXCUSED>
</ABSENCE>
<ABSENCE>
  <A_DATE>09-13-2018</A_DATE>
  <EXCUSED>N</EXCUSED>
</ABSENCE>
<ABSENCE50>
  <A_DATE50>09-13-2018</A_DATE50>
</ABSENCE50>
<SCHEDULE>
  <COURSE>
    <COURSENUM>270426</COURSENUM>
    <CREDITS>1.0</CREDITS>
    <CARNEGIE>110</CARNEGIE>
    <CLASS>
      <TERMSEMCODE>S1</TERMSEMCODE>
      <C_PERIOD>3</C_PERIOD>
      <SECTION>3</SECTION>
      <MINUTES>030</MINUTES>
      <C_GRADE>B+</C_GRADE>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
<TEACHERSSN>012345678</TEACHERSSN>
</CLASS>
</COURSE>
<COURSE>
  <COURSENUM>260131</COURSENUM>
  <CREDITS>1.0</CREDITS>
  <CARNEGIE>110</CARNEGIE>
  <CLASS>
    <TERMSEMCODE>S1</TERMSEMCODE>
    <C_PERIOD>4</C_PERIOD>
    <SECTION>1</SECTION>
    <MINUTES>050</MINUTES>
    <C_GRADE>B</C_GRADE>
    <TEACHERSSN>012345678</TEACHERSSN>
  </CLASS>
</COURSE>
<COURSE>
  <COURSENUM>231011</COURSENUM>
  <CREDITS>1.0</CREDITS>
  <CARNEGIE>110</CARNEGIE>
  <CLASS>
    <TERMSEMCODE>S1</TERMSEMCODE>
    <C_PERIOD>6</C_PERIOD>
    <SECTION>1</SECTION>
    <MINUTES>055</MINUTES>
    <C_GRADE>A</C_GRADE>
    <TEACHERSSN>012345678</TEACHERSSN>
  </CLASS>
</COURSE>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
</SCHEDULE>  
</STUDENT>  
</TR_STUDENT>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



B.5.1 Student Aggregate Business Rules for Monthly Student Data

Each of the following business rules applies to the aggregated values of a student record per Reporting Period (i.e. The sum of absences for the student for the reporting period as opposed to each individual absence). These rules apply to tags that can have 1 to N entries per Student per Reporting Period. These rules can not be applied to an individual entry in the student record. Instead, they must be applied after all entries for the given student have been analyzed.

Tag	Data Element Name	Business Rule Description
DISPSTART DISPEND	DispStartDate DispEndDate	1) WARNING: Multiple Disposition Types(B5.DISPTYPE) for Current Reporting Period with overlapping Disposition Dates. E.g. Disposition1.DISPEND > Disposition2.DISPSTART
		4) —
DAYSTAUGHT A_DATE E_DAYSOFFROLL W_DAYSOFFROLL R_DAYSOFFROLL DAYSTRANS	DaysTaughtGrade AbsenceDate DaysOffRoll DaysTransported	1) IF B5.S_GRADE NOT IN (62, 52) THEN SUM(B4.DAYSTAUGHT) for each B5.E_GRADE, B5.W_GRADE and B5.R_GRADE per student for Current Reporting Period = SUM(B5.A_DATE) per Student + SUM(B5.DAYSOFFROLL per Student + SUM(B5.DAYSTRANS) per Student

Table B-5.1. Monthly - Student Data Transaction – Student Aggregate Business Rule Definition

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



B.5.2 School/District Aggregate Business Rules for Monthly Student Data

Each of the following business rules applies to the aggregated values of all students per Reporting Period for each school and/or district (i.e. the sum of all days absent for all students, not including those in Grades 62 or 52, as opposed to the sum of absences for one student or an individual absence).

Tag	Data Element Name	Business Rule Description
DAYSTRANS A_DATE E_DAYSOFFROLL W_DAYSOFFROLL R_DAYSOFFROLL DAYSTAUGHT MSISID	DaysTransported AbsenceDate DaysOffRoll DaysTaughtGrade MSISStudentID	1) Aggregate Attendance (SUM(B5.DAYSTRANS)) + Aggregate Absences(SUM(B5.A_DATE)) + SUM(B5.DAYSOFFROLL) = SUM(B4.DAYSTAUGHT) * Total Membership Current Month (SUM(B5.MSISID))
DAYSTRANS	DaysTransported	1) SUM(B5.DAYSTRANS) > 0 for all grades except 62 and 52.
E_CODE E_DAYSOFFROLL W_DAYSOFFROLL R_DAYSOFFROLL	EntranceCode DaysOffRoll	1) WARNING: IF SUM(B5.DAYSOFFROLL) = 0 AND SUM(B5.E_CODE) > 0 WHERE B5.E_CODE IN (E2, E3, E4, E5, E6, R1) I.e. The user receives a warning message if Days Off Roll = 0 and the sum of E2+E3+E4+E5+E6+R1 > 0
		4) —

Table B-5.2. Monthly - Student Data Transaction – District/School Aggregate Business Rule Definition

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



B.6 Monthly - Student Historical Record Transaction Definition – Version 1.0

The following edits apply to the specified field within the Monthly Student Historical Transaction Set. These business rule edits will be checked at the time of insertion of the fields into the MSIS Student Data Virtual Holding Area.

Tag	Data Element Name	Business Rule Description
TR_CUME	N/A	N/A
T_VERSION	TransactionV	1) Starts with 1.0 2) Increments by 1.0 3) Each Modified Monthly Student Historical Transaction Set representing the same set of data generates a new version.
TRACK_ID	TrackId	1) FORMAT <DISTRICT NUMBER>- (0009) <SCHOOL NUMBER>- (009) <DATE>- (MM-DD-YYYY) <SEQUENCE NUMBER> (00009) 2) District Number must match value of B1.DISTRICT (Transaction Header) 3) School Number must match value of B1.SCHOOL tag (Transaction Header)
UPDATE	UpdateInd	1) Must be 'Y' or 'N'
STUDENT	N/A	N/A
MSISID	MSISStudentID	1) Must exist in MSIS 2) FORMAT 000000009
FNAME	LegalFirstName	NONE
MNAME	MiddleName	NONE
LNAME	LegalLastName	NONE
SSN	SSN	1) FORMAT 999999999
CBCFILENO	BirthCertFileNum	NONE
CBCVER	BirthCertVerify	NONE
RACE	RaceCode	Must be valid Race Code from MDE ISSAP16.D10 Table
RACE2, ...RACE6	RaceCode2...6	Must be valid Race Code from MDE ISSAP16.D10 Table
ETHNIC	EthnicityCode	Must be 'Y' or 'N'
GENDER	GenderCode	NONE
BCITY	BirthCity	NONE
BCOUNTY	BirthCounty	1) NONE
BSTATE	BirthState	NONE
DOB	BirthDate	FORMAT MM-DD-YYYY or MM/DD/YYYY
FFNAME	FatherFirstName	NONE
FLNAME	FatherLastName	NONE
MFNAME	MotherFirstName	NONE

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



Tag	Data Element Name	Business Rule Description
MLNAME	MotherLastName	NONE
GFNAME	GuardianFirstName	NONE
GLNAME	GuardianLastName	NONE
PERMADDR	N/A	NONE
ADDR1	PermAddr1	NONE
ADDR2	PermAddr2	NONE
CITY	PermCity	NONE
STATE	PermState	NONE
ZIP	PermZip	NONE
ZIP4	PermZip4	1) NONE
PHONE	PermPhoneNum	NONE
ICCCERTDATE	ImmunCertDate	FORMAT MM-DD-YYYY or MM/DD/YYYY
ICCVIFY	ImmunCertVerify	NONE
MEDINFO	N/A	NONE
CONDITION	ConditionType	NONE
YEAR	ConditionYear	1) NONE
ENTRANCE	N/A	NONE
E_DATE	EntranceDate	FORMAT MM-DD-YYYY or MM/DD/YYYY
E_GRADE	EntranceGrade	NONE
E_SCHOOL	N/A	NONE
ES_NAME	PrevSchoolName	NONE
ES_ADDR	PrevSchoolAddr	1) NONE
WITHDRAWAL	N/A	NONE
W_DATE	WithdrawDate	FORMAT MM-DD-YYYY or MM/DD/YYYY
W_GRADE	WithdrawGrade	NONE
CODE	WithdrawCode	1) NONE
RECORDSENT	N/A	NONE
R_DATE	RecordSentDate	FORMAT MM-DD-YYYY or MM/DD/YYYY
R_NAME	RecRecipientName	NONE
R_ADDR	RecRecipientAddr	NONE
SCHOOLYEAR	N/A	NONE
START	SessionStart	NONE
END	SessionEnd	NONE
LENGTH	SessionLength	NONE
S_GRADE	GradeLevel	NONE
P_GRADE	PeerGradeLevel	NONE
ABSENTDAYS	DaysAbsent	NONE
ABSENCECAUSE	AbsenceCause	NONE
PROMOTEIND	PromoteInd	NONE
PASSGRADES	PassingGrades	NONE
SPECCODES	SpecialCodes	NONE
S_TFNAME	TeacherFirstName	NONE
S_TLNAME	TeacherLastName	NONE

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



Tag	Data Element Name	Business Rule Description
S_SCHOOL	N/A	NONE
S_NAME	SchoolName	NONE
S_COURSE	N/A	NONE
C_NAME	CourseName	NONE
C_TFNAME	TeacherFirstName	NONE
C_TLNAME	TeacherLastName	NONE
S1GRADE	Semester1Grade	NONE
S2GRADE	Semester2Grade	NONE
C_FGRADE	FinalGrade	NONE
C_CREDITS	Credits	1) NONE
SUMMERSCH	N/A	NONE
SS_DATE	SummerSchDate	FORMAT MM-DD-YYYY or MM/DD/YYYY
SS_NAME	SummerSchName	NONE
SS_COURSE	N/A	NONE
SC_NAME	CourseName	NONE
SC_TFNAME	TeacherFirstName	NONE
SC_TLNAME	TeacherLastName	NONE
SC_FGRADE	FinalGrade	NONE
SC_CREDITS	Credits	1) NONE
TEST	N/A	NONE
T_DATE	TestDate	FORMAT MM-DD-YYYY or MM/DD/YYYY
T_DESCR	TestDescription	1) NONE
FACT	N/A	NONE
F_DATE	FactEntryDate	FORMAT MM-DD-YYYY or MM/DD/YYYY
F_GRADE	FactGrade	NONE
AGE	FactAge	1) NONE
F_NAME	FactPerson	1) NONE
FROMDATE	FactFromDate	FORMAT MM-DD-YYYY or MM/DD/YYYY
TODATE	FactToDate	2) FORMAT MM-DD-YYYY or MM/DD/YYYY
F_DESC	FactDesc	NONE

Table B-6. Monthly - Student Historical Record Transaction Business Rule Definition

The following is an example of a Monthly - Student Historical Record Transaction:

```
<TR_CUME>
  <T_VERSION>1.0</T_VERSION>
  <TRACK_ID>0023-002-06-19-1998-00001</TRACK_ID>
  <UPDATE>N</UPDATE>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
<STUDENT>
  <MSISID>000111222</MSISID>
  <FNAME>JOHN</FNAME>
  <MNAME>EDWARD</MNAME>
  <LNAME>DOE</LNAME>
  <SSN>001234567</SSN>
  <CBCFILENO>142356</CBCFILENO>
  <CBCVER>JED</CBCVER>
  <RACE>H</RACE>
  <GENDER>M</GENDER>
  <BCITY>JACKSON</BCITY>
  <BCOUNTY>HINES</BCOUNTY>
  <BSTATE>MS</BSTATE>
  <DOB>01/01/1984</DOB>
  <FFNAME>JOHN</FFNAME>
  <FLNAME>DOE</FLNAME>
  <MFNAME>MARY</MFNAME>
  <MLNAME>DOE</MLNAME>
  <GFNAME>GEORGE</GFNAME>
  <GLNAME>SMITH</GLNAME>
  <PERMADDR>
    <ADDR1>111 SOMEWHERE</ADDR1>
    <ADDR2>APT 6</ADDR2>
    <CITY>JACKSON</CITY>
    <STATE>MS</STATE>
    <ZIP>39211</ZIP>
    <PHONE>6012223333</PHONE>
  </PERMADDR>
  <PERMADDR>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
<ADDR1>222 SOMEWHERE ELSE</ADDR1>
<CITY>JACKSON</CITY>
<STATE>MS</STATE>
<ZIP>39211</ZIP>
<PHONE>6012224444</PHONE>
</PERMADDR>
<ICCERDATE>01-01-1998</ICCERDATE>
<ICCVERIFY>JED</ICCVERIFY>
<MEDINFO>
  <CONDITION>ANEMIA</CONDITION>
  <YEAR>1998</YEAR>
</MEDINFO>
<MEDINFO>
  <CONDITION>DIABETES</CONDITION>
  <YEAR>1996</YEAR>
</MEDINFO>
<ENTRANCE>
  <E_DATE>09-01-1998</E_DATE>
  <E_GRADE>9</E_GRADE>
  <E_SCHOOL>
    <ES_NAME>SOME OTHER SCHOOL</ES_NAME>
    <ES_ADDR>SOMEWHERE, WA 98144</ES_ADDR>
  </E_SCHOOL>
</ENTRANCE>
<RECORDSENT>
  <R_DATE>01-01-1999</R_DATE>
  <R_NAME>SOME OTHER SCHOOL</R_NAME>
  <R_ADDR>SOMEWHERE, WA 98144</R_ADDR>
</RECORDSENT>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
<SCHOOLYEAR>
  <START>1998</START>
  <END>1999</END>
  <LENGTH>300</LENGTH>
  <S_GRADE>09</S_GRADE>
  <P_GRADE>09</P_GRADE>
  <ABSENTDAYS>12</ABSENTDAYS>
  <ABSENCECAUSE>ILLNESS</ABSENCECAUSE>
  <S_SCHOOL>
    <S_NAME>ACME HIGH</S_NAME>
    <S_COURSE>
      <C_NAME>ALGEBRA 1</C_NAME>
      <C_TFNAME>MARGARET</C_TFNAME>
      <C_TLNAME>KELLY</C_TLNAME>
      <S1GRADE>82</S1GRADE>
      <S2GRADE>84</S2GRADE>
      <C_FGRADE>83</C_FGRADE>
      <C_CREDITS>1.0</C_CREDITS>
    </S_COURSE>
    <S_COURSE>
      <C_NAME>AMERICAN HISTORY</C_NAME>
      <C_TFNAME>JOHN</C_TFNAME>
      <C_TLNAME>TAYLOR</C_TLNAME>
      <S1GRADE>92</S1GRADE>
      <S2GRADE>90</S2GRADE>
      <C_FGRADE>91</C_FGRADE>
      <C_CREDITS>1.0</C_CREDITS>
    </S_COURSE>
  </S_SCHOOL>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
</SCHOOLYEAR>
<SCHOOLYEAR>
  <START>1997</START>
  <END>1998</END>
  <LENGTH>300</LENGTH>
  <S_GRADE>08</S_GRADE>
  <P_GRADE>08</P_GRADE>
  <ABSENTDAYS>1</ABSENTDAYS>
  <ABSENCECAUSE>PLAYING HOOKY</ABSENCECAUSE>
  <S_SCHOOL>
    <S_NAME>SOME OTHER SCHOOL</S_NAME>
    <S_COURSE>
      <C_NAME>READING</C_NAME>
      <C_TFNAME>MARY</C_TFNAME>
      <C_TLNAME>SMITH</C_TLNAME>
      <S1GRADE>A</S1GRADE>
      <S2GRADE>B</S2GRADE>
      <C_FGRADE>A-</C_FGRADE>
      <C_CREDITS>1.0</C_CREDITS>
    </S_COURSE>
    <S_COURSE>
      <C_NAME>SCIENCE</C_NAME>
      <C_TFNAME>JOHN</C_TFNAME>
      <C_TLNAME>SMITH</C_TLNAME>
      <S1GRADE>C</S1GRADE>
      <S2GRADE>B</S2GRADE>
      <C_FGRADE>B</C_FGRADE>
      <C_CREDITS>1.0</C_CREDITS>
    </S_COURSE>
  </S_SCHOOL>
</SCHOOLYEAR>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
</S_SCHOOL>
</SCHOOLYEAR>
<SUMMERSCH>
  <SS_DATE>06-01-1997</SS_DATE>
  <SS_NAME>SOME OTHER SCHOOL</SS_NAME>
  <SS_COURSE>
    <SC_NAME>READING</SC_NAME>
    <SC_TFNAME>JOHN</SC_TFNAME>
    <SC_TLNAME>SMITH</SC_TLNAME>
    <SC_FGRADE>B</SC_FGRADE>
    <SC_CREDITS>0.5</SC_CREDITS>
  </SS_COURSE>
</SUMMERSCH>
<TEST>
  <T_DATE>01-20-1999</T_DATE>
  <T_DESCR>SAT MATH 500 VERBAL 560</T_DESCR>
</TEST>
<FACT>
  <F_DATE>09-30-1998</F_DATE>
  <F_GRADE>09</F_GRADE>
  <AGE>17</AGE>
  <F_NAME>JOHN SMITH</F_NAME>
  <FROMDATE>09-28-1998</FROMDATE>
  <TODATE>10-04-1998</TODATE>
  <F_DESC>Suspended for carrying knife into
school and threatening Math teacher.</F_DESC>
</FACT>
</STUDENT>
</TR_CUME>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



B.7 Daily - Student Transaction Definition – Version 1.0

The following edits apply to the specified field within the Daily Student Data Transaction Set.

Tag	Data Element Name	Business Rule Description
TR_DAILY	N/A	N/A
T_VERSION	TransactionV	<ol style="list-style-type: none"> Starts with 1.0 Increments by 1.0 Each Modified Daily Student Data Transaction Set representing the same set of data generates a new version.
TRACK_ID	TrackId	<ol style="list-style-type: none"> FORMAT <DISTRICT NUMBER>- (0009) <SCHOOL NUMBER>- (009) <DATE>- (MM-DD-YYYY) <SEQUENCE NUMBER> (00009) District Number must match value of B1.DISTRICT (Transaction Header) School Number must match value of B1.SCHOOL (Transaction Header)
STUDENT	N/A	N/A
MSISID	MSISStudentID	<ol style="list-style-type: none"> Must exists in MSIS FORMAT 000000009
FNAME	LegalFirstName	NONE
MNAME	MiddleName	<ol style="list-style-type: none"> A NULL value can be represented with a question mark '?'
LNAME	LegalLastName	NONE
SSN	SSN	<ol style="list-style-type: none"> FORMAT 999999999 A NULL value can be represented with a question mark '?'
DOB	BirthDate	<ol style="list-style-type: none"> FORMAT MM-DD-YYYY or MM/DD/YYYY 01-01-1970 <= DOB <= Current Date Must match the DOB in MSIS for the student
SPECED	SpecEdInd	<ol style="list-style-type: none"> Must be 'Y' or 'N'
INCIDENT	N/A	N/A
DATE	IncidentDate	<ol style="list-style-type: none"> DATE <= Current Date FORMAT MM-DD-YYYY or MM/DD/YYYY WARNING: DATE not in Current Reporting Month
LOC	IncidentLocCode	<ol style="list-style-type: none"> Must be 'S', 'B' or 'O'

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



Tag	Data Element Name	Business Rule Description
BYFNAME	IncidentReportedByFirst	NONE
BYLNAME	IncidentReportedByLast	NONE
BYTYPE	IncidentReportedByCode	1) Must be 'S','N','T' or 'O'
TYPE	IncidentType	1) Must be valid Incident Type from ISSAP16.C.5 Enumerated List
WEAPON	WeaponType	1) Must be valid Weapon Type from ISSAP16.C.8 Enumerated List
DESC	IncidentDesc	NONE
DISPTYPE	DispType	1) Must be 'SUS' or 'EXP' from ISSAP16.C.3 Enumerated List. If not , then do not create Incident Record.
DISPDESC	DispDesc	NONE
DISPSTART	DispStartDate	FORMAT MM-DD-YYYY or MM/DD/YYYY
DISPEND	DispEndDate	1) DISPEND >= DISPSTART 2) FORMAT MM-DD-YYYY or MM/DD/YYYY
DISPDURATION	DispDuration	NONE

Table B-7. Daily - Student Data Transaction Business Rule Definition

The following is an example of the Daily - Student Data Transaction Definition:

```
<TR_DAILY>
  <T_VERSION>1.0</T_VERSION>
  <TRACK_ID>0024-004-04-19-1998-00001</TRACK_ID>
  <STUDENT>
    <MSISID>000111222</MSISID>
    <FNAME>JOHN</FNAME>
    <MNAME>E</MNAME>
    <LNAME>DOE</LNAME>
    <SSN>001234567</SSN>
    <DOB>01/01/1988</DOB>
    <SPECED>Y</SPECED>
  <INCIDENT>
    <DATE>01-24-1998</DATE>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
<LOC>B</LOC>
<BYFNAME>JOHN</BYFNAME>
<BYLNAME>SMITH</BYLNAME>
<BYTYPE>S</BYTYPE>
<TYPE>TBD</TYPE>
<WEAPON>TBD</WEAPON>
<DESC>Description of incident</DESC>
<DISPTYPE>SUSPENSION</DISPTYPE>
<DISPDESC>Suspended for 3 days</DISPDESC>
<DISPSTART>01-24-1998</DISPSTART>
<DISPEND>01-27-1998</DISPEND>
<DISPDURATION>3</DISPDURATION>
</INCIDENT>
</STUDENT>
</TR_DAILY>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



B.8 Summer School – Student Data Transaction Definition

The following edits apply to the specified filed within the Summer School Student Data Transaction Set. These business rule edits will be checked at the time of insertion of the fields into the MSIS Student Data Virtual Holding Area.

Tag	Data Element Name	Business Rule Description
TR_SUMMER	N/A	N/A
T_VERSION	TransactionV	<ol style="list-style-type: none"> Starts with 1.0 Increments by 1.0 Each Modified Summer School Student Data Transaction Set representing the same set of data generates a new version.
TRACK_ID	TrackId	<ol style="list-style-type: none"> FORMAT <DISTRICT NUMBER>-(0009) <SCHOOL NUMBER>-(009) <DATE>-(MM-DD-YYYY) <SEQUENCE NUMBER>-(00009) District Number must match value of B1.DISTRICT (Transaction Header) School Number must match value of B1.SCHOOL (Transaction Header)
STUDENT	N/A	N/A
MSISID	MSISStudentID	<ol style="list-style-type: none"> Must exist in MSIS FORMAT 000000009
FNAME	LegalFirstName	NONE
MNAME	MiddleName	<ol style="list-style-type: none"> A NULL value can be represented with a question mark '?'
LNAME	LegalLastName	NONE
SSN	SSN	<ol style="list-style-type: none"> FORMAT 999999999 A NULL value can be represented with a question mark '?'
DOB	BirthDate	<ol style="list-style-type: none"> FORMAT MM-DD-YYYY or MM/DD/YYYY 01-01-1970 <= DOB <= Current Date Must match the DOB in MSIS for the student
PROMOTE	N/A	N/A
PROMOTION	PromoteInd	<ol style="list-style-type: none"> Must be 'Y' or 'N'
P_DATE	PromoteDate	<ol style="list-style-type: none"> FORMAT MM-DD-YYYY or MM/DD/YYYY
GRADCODE	GraduationType	<ol style="list-style-type: none"> Must be valid Graduation Type from ISSAP16.D.9 MDE Table. May NOT have multiple GRADCODE

This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education. Unauthorized use or disclosure is expressly prohibited.



Tag	Data Element Name	Business Rule Description
		entries for same student. 3)
GRADENDR1	Diploma Endorsement	4) Must be a valid Diploma Endorsement Code
GRADENDR2	Diploma Endorsement	5) Must be a valid Diploma Endorsement Code
SCHEDULE	N/A	N/A
COURSE	N/A	N/A

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



Tag	Data Element Name	Business Rule Description
COURSENUM	CourseCode	1) Must be valid Course Code from ISSAP16.D.3 MDE Table 2) Duplicate COURSENUM entries for same student are not allowed for the same B5.TERMSEMCODE.
LOCALNUM	LocalCode	1) Duplicate LOCALNUM entries are not allowed for the same student.
LOCALNAME	LocalName	NONE
FINALGRADE	FinalGrade	NONE
CLASS	N/A	N/A
TERMSEMCODE	CourseTermSem	1) Must be 'SU' 2) Duplicate B5.TERMSEMCODE not allowed for same COURSENUM and LOCALNUM combination. 3) Duplicate B5.TERMSEMCODE not allowed for same COURSENUM with no LOCALNUM.
C_GRADE	TermSemGrade	1) Required at the end of the course
CREDITS	Credits	1) If B5.C_GRADE is passing, CREDITS must be equal to numeric equivalent of last two digits of B5.CARNEGIE with appropriate format. 2) If B5.C_GRADE is failing, CREDITS must be equal to 0.0 3) FORMAT 9.9 4) Required at the end of the course
CARNEGIE	CarnegieUnits	1) Must be valid Carnegie Unit from ISSAP16.D.1 MDE Table 2) Must be valid Carnegie Unit associated with B5.COURSENUM. <i>MDE will provide a list of valid Carnegie units for each course to the vendors.</i> 3) If B5.C_GRADE is failing, CARNEGIE must be equal to 000 4) Required at the end of the course

Table B-8. Summer School – Student Data Transaction Business Rule Definition

The following is an example of a Summer School – Student Data Transaction Definition:

<TR_SUMMER>

<T_VERSION>1.0</T_VERSION>

<TRACK_ID>0024-004-07/13/1999-00001</TRACK_ID>

*This document contains information PROPRIETARY to MSIS, an application of the Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
<STUDENT>
  <MSISID>000111222</MSISID>
  <FNAME>JOHN</FNAME>
  <MNAME>E</MNAME>
  <LNAME>DOE</LNAME>
  <SSN>001234567</SSN>
  <DOB>01/01/1988</DOB>
  <PROMOTE>
    <PROMOTION>Y</PROMOTION>
    <P_DATE>07/15/1999</P_DATE>
  </PROMOTE>
  <SCHEDULE>
    <COURSE>
      <COURSENUM>260131</COURSENUM>
      <FINALGRADE>B+</FINALGRADE>
      <CLASS>
        <TERMSECODE>SU</TERMSECODE>
        <C_GRADE>B</C_GRADE>
        <CREDITS>1.0</CREDITS>
        <CARNEGIE>110</CARNEGIE>
      </CLASS>
    </COURSE>
    <COURSE>
      <COURSENUM>270426</COURSENUM>
      <FINALGRADE>A</FINALGRADE>
      <CLASS>
        <TERMSECODE>SU</TERMSECODE>
        <C_GRADE>A</C_GRADE>
        <CREDITS>1.0</CREDITS>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*



```
<CARNEGIE>110</CARNEGIE>  
</CLASS>  
</COURSE>  
</SCHEDULE>  
</STUDENT>  
</TR_SUMMER>
```

*This document contains information PROPRIETARY to MSIS, an application of the
Mississippi Department of Education.
Unauthorized use or disclosure is expressly prohibited.*

