Missouri State Highway Patrol

STATEWIDE TRAFFIC ACCIDENT RECORDS SYSTEM

2019 MUCR
Field Specification for XML

Field Definition, Codes, and Edits for 2019 Missouri Uniform Crash Report

Version 1.1

June 26, 2019

About this document

This document in part of an ongoing process to assure Missouri traffic crash information and statistics is portrayed as correctly and accurately as possible. With any documents of this type, as roads, laws, vehicles and their use changes, this document will evolve. Also as the data and its statistics are examined, new edits will be discussed, developed, tested, and implemented.

This document was produced as a collaborative effort between the Missouri State Highway Patrol's Traffic, Research and Development, and Information Communication and Technology Divisions.

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1.0 CHANGE LOG

The Change Log only documents those changes from the previous version.

1.49 Intersection Location <Location>

1.49-03	L P	E M	Must be and can only be N (Not Applicable) if <OnLocationRoute> is PP = Private Property.	6/26/2019
1.49-04	L P	E M	Must be A = After or B = Before if <DistanceFromNA> is False = No (crash occurred at a distance from an intersecting street, roadway, emergency reference marker, or beginning of a bridge structure) and <OnLocationRoute> is not PP = Private Property.	6/26/2019

2.0 OVERVIEW OF EDITS

The 2012 MUCR (Missouri Uniform Crash Report) Field Specification covers accepted values, formats, and edits for the Statewide Traffic Accident Records System (STARS). Since there are multiple interfaces for this system, this document covers all the codes and edits. It is important to note that some codes and/or edits will pertain to one or more interfaces. Other codes and/or edits will be excluded from one or more interfaces. These interfaces are grouped by agency, (Patrol or non-patrol).

The values and formats in this document are specifically for the submission of the data and NOT for the printed crash report.

Fields in this document are grouped by records
   Crash - contains information on the crash level. There is only one crash record per crash.
   Vehicle - contains information pertinent to the vehicles and drivers involved in the crash. There can be more than one vehicle record per crash.
   Person - contains information pertinent to the persons of a vehicle involved in the crash. There can be more than one person record per vehicle.
   Non Vehicular Property Damaged - contains information about the property, other than vehicles, damaged. There can be more than one property damage record per crash.
   Witness - Contains witness information. There can be more than one witness record per crash.
   Train - Contains train information. A train is a vehicle and there may only be one train per vehicle record.

Each field is laid out in the following format.

Field Name
Description: A description of the field.
Valid Codes: states which codes are acceptable.
Format: If the field is expected in a certain format, it will be described here.
Edits:

Edit ID	Agy	Edit	Date added/changed
0.00-00	L P	A logical representation of the edit	1/1/2012

The Edit Table has the following columns:
   Edit ID - a unique identifier for the edit.
   Agy - The agency type that the edit applies to.
      L = Non-Patrol investigated the crash
      P = Patrol investigated the crash
   Edit - A logical description of the edit.

> *Date added/changed* - The date the edit was added or changed. Even though some edits predate MUCR 2012, the date added/changed defaults to 1/1/2012.

* Edits, like the codes, may pertain to certain agency types but not all. Which agency type they pertain to is documented in the Agy column.

3.0 DEFINITIONS

Motor Vehicle

Any motorized (mechanically or electrically powered) device used to move persons and/or property from one place to another and is not operated on rails, operated within the confines of a building, aircraft or watercraft, a personal conveyance, or a weapon. The load or occupants upon or in the motor vehicle, or a device being towed by the motor vehicle, are considered part of the motor vehicle.

Codes:

1 - Passenger Car	20 - Single Unit Truck; 2 Axels, 6 Tires
3 - Sport Utility Vehicle	21 - Single Unit Truck; 3 or More Axels
5 - Van (<9 W/ Driver)	22 - Truck Tractor with No Units
6 - Small Bus (9 - 15 W/Driver)	23 - Truck Tractor with One Unit
7 - Large Bus (16+ W/Driver)	24 - Truck Tractor with Two Units
10 - Motorcycle	25 - Truck Tractor with Three Units
11 - ATV	26 - Other Heavy Truck
12 - Motorized Bicycle	27 - Cargo Van
14 - Motor Home	28 - Limousine (9 - 15 W/Driver)
15 - Farm Implements	29 - Limousine (7 - 8 W/Driver)
16 - Construction Equipment / Heavy Machinery	30 - Passenger Van (9 + W/Driver)
17 - Other Vehicle **and** vehicle usage type is not a 5 or 7	U - Unknown
19 - Pickup	

Non-motorized vehicles

13 - Pedalcycle

17 - Other Vehicle and vehicle usage type is a 5 or 7

Driver Presence Codes

1 - Driver Present and/or Identified

This code is used for drivers who are at the scene and/ or the officer identifies who the driver was. It also includes instances where the officer knows who the vehicle driver is, but through investigation they cannot identify the driver. For instance, the driver is an illegal alien with no identification, a crash burn victim, etc. In this specific case, "unknown" should be noted in the driver's name, date-of-birth, etc. fields. The record containing the driver information is included when counting number of occupants. Validation will require driver fields to be completed per Long or Short form rules. Information for the driver is not listed in the Occupants section.

2 - Driver Present But Not Identified

This code is used when the driver is present but the officer cannot determine which vehicle occupant was the driver. The record containing the driver information is NOT included when counting number of occupants, because all personal information on all occupants is listed in the occupants section. Validation does not require driver fields to be completed.
Examples:
  1) Fatality where all occupants were ejected and all occupants are dead.
  2) There are multiple intoxicated persons in the vehicle, no one is in the vehicle when the officer arrives and no one admits to driving.

N - No Driver

This code is used when there is no driver, e.g., parked vehicle. Information on all occupants is listed in the occupants section, even if an occupant of the parked vehicle was setting in the front left seat. The record containing the driver information is NOT included when counting

number of occupants because all personal information on all occupants is listed in the occupants section. Validation does not require driver fields to be completed.

U - Unknown Driver

This code is used for a driver who is not at the scene and is not known, e.g., leaving the scene accident. The record containing the driver information is included when counting the number of occupants in the Veh. Validation will not require driver fields to be completed; however, all driver fields are editable so any information available may be collected.

Driver

A person operating a vehicle that may have in some way contributed to a crash. This includes unknown and unidentified drivers since their actions may contribute as much to a crash as any known driver.

Elements

<Operator>

<Engineer>

With Driver Presence Codes

1 - Driver present and/or identified.

2- Present but not identified.

U - Unknown Driver.

Commercial Vehicle

- A vehicle with a hazardous material placard displayed
- Any pickup, Single Unit Truck; 2 Axles, 6 Tires, other heavy truck, or cargo van (vehicle body type of 19, 20, 26, 27) with a GCWR of more than 10,000 pounds (1, G)
- Any Single Unit Truck; 3 or More Axles or Truck Tractor regardless of units (vehicle body type of 21, 22, 23, 24, 25)
- Any Small Bus - 9 to 15 passengers with driver, Large Bus - 16 passengers with driver, Limousine - 9 to 15 passengers with driver, or Passenger Van - 9 +passengers with driver (vehicle body type of 6, 7, 28, 30)

Involvement Type

<Operator>

This code is derived from data in Section 7a of the Missouri Uniform Crash Report (MUCR) when the Vehicle Body Type is not (13) Pedalcycle.

<Occupant>

This code is derived from data in Section 7f of the MUCR and from Train Crew Members and Passengers section of the Railway Vehicle Crash Continuation/Supplement of the MUCR field where the seat location is CP.

<Pedestrian>

This code is derived from data in Section 5 of the MUCR.

<Owner>

This code is derived from data in Section 7b of the MUCR.

<Engineer>

This code is derived from Engineer and Conductor section of the Railway Vehicle Crash Continuation/Supplement of the MUCR field.

<Conductor>

This code is derived from Engineer and Conductor section of the Railway Vehicle Crash Continuation/Supplement of the MUCR field.

<TrainCrews>

This code is derived from Train Crew Members and Passengers section of the Railway Vehicle Crash Continuation/Supplement of the MUCR field where the seat location is RC.

<TrainOwner>

This code is derived from Railroad Co. - Train fields of the Railway Vehicle Crash Continuation/Supplement of the MUCR field.

<TrackOwner>

This code is derived from Railroad Co. - Track fields of the Railway Vehicle Crash Continuation/Supplement of the MUCR field.

4.0 CRASH ELEMENTS

0.03 Agency Origination Id <AgencyOriginationId>

Description: Indicates the Originating Agency Identifier (ORI) number. It is a unique number which is assigned to a criminal justice agency. This number identifies each criminal justice agency within a county. The format is as follows: MOXXXXXXX. The first three X stand for the county and the last four are the agency unique number.

Valid Codes: Valid agency ORI

Edits:

Edit ID	Agy	Edit	Date added/changed
0.03-01	L P	Must be a valid value. Cannot be empty.	1/1/2012

0.04 Report Case Number <ReportCaseNumber>

Description: This field contains a report, case, or incident number assigned by the agency submitting a crash report.

Valid Codes: Valid number assigned by submitting agency

Edits:

Edit ID	Agy	Edit	Date added/changed
0.04-01	L P	Must be a valid value. Cannot be empty.	1/1/2012
0.04-02	L P	Cannot equal <AgencyOriginationId> (ORI). The ORI can be used to make up part of the <ReportCaseNumber>.	1/1/2012
0.04-03	L P	Cannot have leading spaces.	1/1/2012
0.04-04	L P	Must be unique for an agency, cannot be duplicated for an ORI.	1/1/2012
0.04-05	L P	Cannot be more than 15 characters in length.	8/1/2015
0.04-06	L P	Can only have alpha characters, numbers, and no special characters except a dash.	2/26/2016
0.04-07	L P	Cannot have embedded blank spaces.	2/26/2016

1.02 Long Short Form <LongForm>

Description: Indicates whether submitted data describe long MUCR, short MUCR, or non-traffic crash data.

Valid Codes: L = Long (all fields on the MUCR)
                       S = Short (shaded fields on the MUCR)

Edits:

Edit ID	Agy	Edit	Date added/changed
1.02-01	L P	Must be a valid value. Cannot be empty.	1/1/2012
1.02-02	L P	*Not Applicable*	1/1/2012

1.03 Agency Name <AgencyName>

Description: Name of the agency submitting data.

Valid Codes: Valid name of submitting agency

Edits:

Edit ID	Agy	Edit	Date added/changed
1.03-01	L P	Must be a valid value. Cannot be empty.	1/1/2012
1.03-02	L P	Must be the name that corresponds to the Agencies ORI.	1/1/2012

1.04 Left the Scene <LeftTheScene>

Description: Indicates whether one or more drivers left the scene of the crash prior to the arrival of a law enforcement officer.

Valid Codes: True = One of more drivers left the scene
                     False = No drivers left the scene

Edits:

Edit ID	Agy	Edit	Date added/changed
1.04-01	L P	Must be a valid value.	1/1/2012
1.04-02	L P	*Not Applicable*	1/1/2012
1.04-03	L P	Can be *true* only if <LongForm> is L.	1/1/2012
1.04-04	L P	*Not Applicable*	

1.04 Left the Scene <VehiclesLeftScene>

Description: Person number of drivers to leave the crash scene

Valid Codes: 1 - 999

Edits:

Edit ID	Agy	Edit	Date added/changed
1.04-01	L P	Must be a valid value.	1/1/2012
1.04-02	L P	Must be empty if <LeftTheScene> is *false* (*No drivers left the scene*).	1/1/2012
1.04-03	L P	Cannot be empty if <LeftTheScene> is *true* (*One of more drivers left the scene*).	1/1/2012
1.04-04	L P	Value must be a person number of a driver of the crash.	8/1/2015
1.04-05	L P	Value cannot be duplicated	8/1/2015

1.05 Crash Cleared Indicator <AccidentCleared>

Description: This indicator notates if the investigative status of the leaving the scene crash has been cleared. Each agency will use its own criteria to determine cleared status.

Valid Codes: Y = Status cleared for left the scene action.
                     N = Status not cleared for left the scene action.
                     Empty tag = Not a left the scene crash.

Edits:

Edit ID	Agy	Edit	Date added/changed
1.05-01	L P	Must be a valid value.	1/1/2012
1.05-02	L P	Can be empty if <LongForm> is S.	1/1/2012
1.05-03	L P	Cannot be empty if <LeftTheScene> is *true* (*One of more drivers left the scene*).	1/1/2012
1.05-04	L P	Must be empty if <LeftTheScene> Indicator is *false* (*No drivers left the scene*).	1/1/2012

1.06 Property Damage Only Indicator <PropertyDamageOnly>

Description: Indicates whether the crash involved property damage only.

Valid Codes: True = Yes, crash involved only property damage and there were no injuries or fatalities.
                     False = No, crash involved injuries or fatalities.

Edits:

Edit ID	Agy	Edit	Date added/changed
1.06-01	L P	Must be a valid value. Cannot be empty.	1/1/2012
1.06-02	L P	Can be *false* only if <LongForm> equals L.	1/1/2012

1.07 Number Injured <NumberInjured>

Description: Indicates the total number of persons injured in the crash.

Valid Codes: 0 - 999

Edits:

Edit ID	Agy	Edit	Date added/changed
1.07-01	L P	Must be a valid value. Cannot be empty.	1/1/2012
1.07-02	L P	Can be greater than 0 only if <LongForm> equals L.	1/1/2012

| 1.07-03 | L P | Cannot be greater than 0 if <PropertyDamageOnly> is *true* (*Yes, crash involved only property damage and there were no injuries or fatalities*). | 1/1/2012 |
| 1.07-04 | L P | Must equal the number of person records where <InjuryLevel> is:
2 = Suspected Serious Injury
3 = Evident - Not disabling
4 - Probable - Not apparent | 1/1/2012 |

1.08 Number Killed <NumberKilled>
Description: Indicates the total number of person killed in the crash.
Valid Codes: 0 - 999
Edits:

Edit ID	Agy	Edit	Date added/changed
1.08-01	L P	Must be a valid value. Cannot be empty.	1/1/2012
1.08-02	L P	Can be greater than 0 only if <LongForm> equals L.	1/1/2012
1.08-03	L P	Cannot be greater than 0 if <PropertyDamageOnly> is *true* (*Yes, crash involved only property damage and there were no injuries or fatalities*).	1/1/2012
1.08-04	L P	Must equal the number of person records where the <InjuryLevel> is 1 (*Fatal*).	1/1/2012

1.09 Number of Vehicles <NumberVehicles>
Description: Number of vehicles involved in the crash, including the number of motor vehicles as well as other transport devices i.e. bicycle, horse with rider, snowmobile, etc.
Valid Codes: 1 - 999
Edits:

Edit ID	Agy	Edit	Date added/changed
1.09-01	L P	Must be a valid positive integer greater than 0. Cannot be empty.	1/1/2012
1.09-02	L P	Must be greater than 1 when <CrashType> is: 02 = Pedalcycle 06 = Railway Vehicle 07 = MV in Transport 09 = Parked Vehicle 12 = Animal Drawn Veh / Animal Ridden Transportation 13 = Working Motor Vehicle	1/1/2012
1.09-03	L P	<NumberVehicles> must equal the number of vehicle records created.	1/1/2012

1.10 Crash Date Unknown Indicator <AccidentDateUnknown>
Description: Indicates the date a crash occurred is not known.
Valid Codes: U = Crash date is unknown.
                      Empty tag = Crash date is known.
Edits:

Edit ID	Agy	Edit	Date added/changed
1.10-01	L P	Must be a valid value.	1/1/2012

1.11 Crash Date <AccidentDate>
Description: Date of the crash.
Valid Codes: Must be a valid date
Edits:

Edit ID	Agy	Edit	Date added/changed
1.11-01	L P	Must be a valid value. Cannot be empty.	1/1/2012
1.11-02	L P	If <AccidentDateUnknown> is U (*Crash date is unknown*) then <AccidentDate> must equal <InvestigationDate>.	1/1/2012 12/20/2018

1.12 Crash Time Unknown Indicator <AccidentTimeUnknown>
Description: Indicates the time a crash occurred is not known.
Valid Codes: U = Crash time is unknown.

Empty tag = Crash time is known.

Edits:

Edit ID	Agy	Edit	Date added/changed
1.12-01	L P	Must be a valid value.	1/1/2012

1.13 Crash Time <AccidentTime>

Description: Time of the crash.
Valid Codes: Must be a valid time, 0000 through 2359.
Format: HHMM (Military Time)
Edits:

Edit ID	Agy	Edit	Date added/changed
1.13-01	L P	Must be a positive integer.	1/1/2012
1.13-02	L P	Cannot be greater than 2359.	1/1/2012

1.14 Notify Date <NotifiedDate>

Description: Date the officer who investigated a crash was notified of the crash.
Valid Codes: Must be a valid date.
Edits:

Edit ID	Agy	Edit	Date added/changed
1.14-01	L P	Must be a valid value. Cannot be empty.	1/1/2012

1.15 Notify Time <TimeNotified>

Description: Time the officer who investigated a crash was notified of the crash.
Valid Codes: Must be a valid time, 0000 through 2359.
Format: HHMM (Military Time)
Edits:

Edit ID	Agy	Edit	Date added/changed
1.15-01	L P	Must be a valid value. Cannot be empty.	1/1/2012
1.15-02	L P	Cannot be greater than 2359.	1/1/2012
1.15-03	L P	<NotifiedDate>/<TimeNotified> cannot be before <AccidentDate>/<AccidentTime>.	1/1/2012

1.16 Arrival Time <TimeArrived>

Description: Time in which the investigating officer arrived at the scene of the crash.
Valid Codes: Must be a valid time, 0000 through 2359.
NA = Unknown or Not Applicable.
Format: HHMM (Military Time)
Edits:

Edit ID	Agy	Edit	Date added/changed
1.16-01	L P	Must be a valid value. Cannot be empty.	1/1/2012
1.16-02	L P	Must be a valid time if <InvestigatorAtScene> is *true* (*Crash investigated at scene*).	1/1/2012
1.16-03	L P	Must be NA if <InvestigatorAtScene> is *false* (*Crash not investigated at scene*).	12/10/2013
		if notify date and investigation date are the same, time arrived	

1.17 Arrival Time Unknown Indicator <ArrivalTimeUnknown>

Description: Indicates that the arrival time of the reporting officer to the crash scene is not known.
Valid Codes: N = Not Applicable.
Empty tag = Arrival time is known.
Edits:

Edit ID	Agy	Edit	Date added/changed
1.17-01	L P	Must be a valid value.	1/1/2012

1.17-02	L P	Must be N if \<InvestigatorAtScene\> equals *false*.	1/1/2012
1.17-03	L P	*Not Applicable*	12/10/2013
1.17-04	L P	Must be empty if \<InvestigatorAtScene\> is *true* (*Crash investigated at scene*).	1/1/2012
1.17-05		*Removed*	12/10/2013
1.17-06	L P	*Not Applicable*	1/1/2012

1.18 Investigation Date \<InvestigationDate\>

Description: Indicates the date the crash investigation was initiated.
Valid Codes: Must be a valid date.
Format: YYYYMMDD
Edits:

Edit ID	Agy	Edit	Date added/changed
1.18-01	L P	Must be a valid value. Cannot be empty.	1/1/2012
1.18-02	L P	\<InvestigationDate\> cannot be before \<NotifiedDate\>.	12/10/2013
1.18-03	L P	Cannot be after current date.	1/1/2012
1.18-04	L P	\<InvestigationDate\>/\<TimeArrived\> cannot be before \<NotifiedDate\>/\<TimeNotified\> when \<InvestigatorAtScene\> is *true* (*Crash investigated at scene*).	12/10/2013

1.19 Investigated At Scene Indicator \<InvestigatorAtScene\>

Description: Indicates whether a crash was investigated at the scene.
Valid Codes: True = Crash investigated at scene.
    False = Crash not investigated at scene.
Edits:

Edit ID	Agy	Edit	Date added/changed
1.19-01	L P	Must be a valid value.	1/1/2012
1.19-02	L P	Cannot be empty.	1/1/2012
1.19-03	L P	*Not applicable*	1/1/2012
1.19-04	L P	*Removed*	12/10/2013
1.19-05	L P	*Removed*	12/10/2013
1.19-06	L P	*Removed*	12/10/2013
1.19-07	LP	*Not applicable*	

1.20 Crash Type \<CrashType\>

Description: Indicates the class of motor vehicle crash by type of occurrence associated with the first harmful event.
Valid Codes:

01 = Animal
02 = Pedalcycle
03 = Fixed Object
04 = Other Object
05 = Pedestrian
06 = Railway Vehicle
07 = MV in Transport
09 = Parked Vehicle
10 = Overturning

11 = Other Non-Collision
12 = Animal Drawn Veh / Animal Ridden Transportation
13 = Working Motor Vehicle
14 = Fire / Explosion
15 = Immersion
16 = Jackknife
17 = Fell / Jumped from MV
18 = Cargo / Equipment Loss/Shift

Edits:

Edit ID	Agy	Edit	Date added/changed
1.20-01	L P	Must be a valid value. Cannot be empty.	1/1/2012
1.20-02	L P	Can be: 05 = Pedestrian 06 = Railway Vehicle Only if \<LongForm\> is L.	1/1/2012

| 1.20-03 | L P | Can be:
    02 = Pedalcycle
only if a vehicle record of \<BodyType> of 13(*Pedalcycle*) exists | 1/1/2012 |
| 1.20-04 | L P | If 05 = Pedestrian, there must be a \<Pedestrian> element. | 1/1/2012 |

1.21 On Off Roadway \<Roadway>

Description: Indicates whether the crash occurred on or off the roadway indicated in On Location Street.

Valid Codes: 1 = On roadway
                     2= Off roadway

Edits:

Edit ID	Agy	Edit	Date added/changed
1.21-01	L P	Must be a valid value. Cannot be empty.	1/1/2012
1.21-02	L P	Must be 2 (*Off Roadway*) when \<CrashType> is 09 (*Parked Vehicle*).	1/1/2012

1.22 Two Vehicle Analysis <Directional Analysis>

Description: Indicates the manner that two vehicles, either parked or in transport, or a working motor vehicle, initially came together without regard to direction of force. This field pertains only to crashes classified as "MV in Transport", "Working Motor Vehicle", or "Parked Vehicle".

Valid Codes:
60 = Front to Front
61 = Front to Rear
62 = Sideswipe (Opposite Direction)
63 = Sideswipe (Same Direction)
64 = Angle
66 = Unknown
67 = Other
68 = Rear to Rear
69 = Rear to Side
70 = Falling / Shifting Cargo (Set in motion by motor vehicle)
Empty tag = Not a two vehicle crash

Edits:

Edit ID	Agy	Edit	Date added/changed
1.22-01	L P	Must be a valid value.	1/1/2012
1.22-02	L P	If <NumberVehicles> is less than 2 then <Directional Analysis> must be empty.	1/1/2012
1.22-03	L P	Must be one of the following: 60 = Front to Front 61 = Front to Rear 62 = Sideswipe (Opposite Direction) 63 = Sideswipe (Same Direction) 64 = Angle 66 = Unknown 67 = Other 68 = Rear to Rear 69 = Rear to Side 70 = Falling / Shifting Cargo when <CrashType> is one of the following: 07 = MV in Transport 09 = Parked Vehicle 13 = Working Motor Vehicle	1/1/2012
1.22-04	L P	Must be empty when <CrashType> is one of the following: 01 = Animal 02 = Pedalcycle 03 = Fixed Object 04 = Other Object 05 = Pedestrian 06 = Railway Vehicle 10 = Overturning 11 = Other Non-Collision 12 = Animal Drawn Veh / Animal Ridden Trans 14 = Fire / Explosion 15 = Immersion 16 = Jackknife 17 = Fell / Jumped from MV 18 = Cargo / Equipment Loss/Shift	1/1/2012

1.23 CMV Involvement Criteria 1 <CVEInvolvement1>

Description: The commercial vehicle entry check box that records the answer from the first qualifying commercial vehicle question.

Valid Codes: True = Yes, crash meets first criteria of commercial vehicle involvement

                False = No, crash doesn't meet first criteria of commercial vehicle involvement

Edits:

Edit ID	Agy	Edit	Date added/changed
1.23-01	L P	Must be a valid value.	1/1/2012
1.23-02	L P	Cannot be empty.	1/1/2012

1.23-03	L P	Must be *true* if:
		    <NumberKilled> is greater than 0
		Or
		    A person record's <Transport> is 2 (*EMS*) or 3(*Other*)
		Or
		    A vehicle record's <TowedDueToDisablingDamage> is Y (*Yes*)
			1/1/2012

1.23-04	L P	Must be *false (No)* if:
		    <NumberKilled> is 0
		And
		    A person record's <Transport> is not 2 (*EMS*) or 3(*Other*)
		And
		    A vehicle record's <TowedDueToDisablingDamage> is N (*No*)	

1.24 CMV Involvement Criteria 2 <CVEInvolement2>

Description: The commercial vehicle entry check box that records the answer from the second qualifying commercial vehicle question.

Valid Codes: True = Yes, crash meets second criteria of commercial vehicle involvement

                False = No, crash doesn't meet second criteria of commercial vehicle involvement

                False = Crash doesn't meet first criteria of commercial vehicle involvement

Edits:

Edit ID	Agy	Edit	Date added/changed
1.24-01	L P	Must be a valid value.	1/1/2012
1.24-02	L P	Must be *false* if <CVEInvolement1> is *false*.	1/1/2012
1.24-03		Removed	2/16/2016

1.24-04	L P	Must be *true* if <CVEInvolement1> is *true* (*Yes*) and one of the vehicles has a <BodyType> of:
		    6 = Small Bus (9 – 15 W/Driver)
		    7 = Large Bus (16+ W/Driver)
		    28 = Limousine (9 – 15 W/Driver)
		    30 = Passenger Van (9 + W/Driver)
		OR one of the vehicles has a <BodyType> of:
		    19 = Pickup
		    20 = Single Unit Truck; 2 Axels, 6 Tires
		    21 = Single Unit Truck; 3 or More Axels
		    22 = Truck Tractor with No Units
		    23 = Truck Tractor with One Unit
		    24 = Truck Tractor with Two Units
		    25 = Truck Tractor with Three Units
		    26 = Other Heavy Truck
		    27 = Cargo Van
		AND GCVW Rating is:
		    1 = 10,001 to 26,000 lbs.
		    G = Greater than 26,000 lbs.
		    U = Unknown
			1/1/2012

1.24-05	L P	Must be *true* if <CVEInvolement1> is *true* and a vehicle has a <HazmatPlacardDisplayed> with a value of Y (*Yes*).	1/1/2012
1.24-06	L P	If equals *true*, <LongForm> must be L.	1/1/2012

1.25 Evidentiary Photos Taken Indicator <EvidentiaryPhotos: Taken>

Description: Indicates if photos were taken as part of the crash investigation, either by, or at the direction of, the investigator.

Valid Codes: True = Yes, photographs were taken
False = No, photographs were not taken

Edits:

Edit ID	Agy	Edit	Date added/changed
1.25-01	L P	Must be a valid value.	1/1/2012
1.25-02	L P	*Not Applicable*	1/1/2012

1.26 Evidentiary Photographer <EvidentiaryPhotos: ByWhom>

Description: Name of person who took the evidentiary photographs.

Edits:

Edit ID	Agy	Edit	Date added/changed
1.26-01	L P	Must be empty if <EvidentiaryPhotos: Taken> is *false* (*No, photographs were not taken*).	1/1/2012

1.27 Evidentiary Photo Availability <EvidentiaryPhotos: InvestigatingAgency>

Description: Indicates evidentiary photographs are available from the investigating agency.

Valid Codes: True = Yes
False = No

Edits:

Edit ID	Agy	Edit	Date added/changed
1.27-01	L P	Must be a valid value.	1/1/2012
1.27-02	L P	Must be *false* if <EvidentiaryPhotos: Taken> is *false* (*No, photographs were not taken*).	1/1/2012

1.28 Evidentiary Photo Available From <EvidentiaryPhotos: AvailableFrom>

Description: Name of the investigating agency department, division, or officer that evidentiary photographs are available from.

Valid Codes:

Edits:

Edit ID	Agy	Edit	Date added/changed
1.28-01	L P	Cannot be empty if <EvidentiaryPhotos: InvestigatingAgency> is *true* (*Yes*).	1/1/2012
1.28-02	L P	Must be empty if <EvidentiaryPhotos: Taken> is *false* (*No, photographs were not taken*).	1/1/2012

1.29 Reconstruction Completed Indicator <Reconstruction: Taken>

Description: Indicates whether a reconstruction of the crash was completed.

Valid Codes: True = Yes, a crash reconstruction was completed
False = No, a crash reconstruction was not completed

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.29-01	L P	E M	Must be a valid value.	1/1/2012
1.29-02	L P	E M	*Not Applicable*	1/1/2012

1.30 Reconstructionist <Reconstruction: ByWhom>

Description: Name of person that completed crash reconstruction.

Valid Codes:

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.30-01	L P	E M	Must be empty if <Reconstruction: Taken> is *false* (*No, a crash reconstruction was not completed*).	1/1/2012

| 1.30-02 | L P | E M | Cannot be empty if <Reconstruction: Taken> is *true* (*Yes, a crash reconstruction was completed*). | 1/1/2012 |

1.31 Reconstruction Availability <Reconstruction: InvestigatingAgency>

Description: Indicates reconstruction reports are available from the investigating agency.

Valid Codes: True = Yes
False = No

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.31-01	L P	E M	Must be a valid value.	1/1/2012
1.31-02	L P	E M	Must be *false* if <Reconstruction: Taken> is *false* (*No, a crash reconstruction was not completed*).	1/1/2012
1.31-03	L P	E M	*Not Applicable*	1/1/2012

1.32 Reconstruction Available From <Reconstruction: AvailableFrom>

Description: Name of the investigating agency department, division, or officer that crash reconstruction reports
are available from.

Valid Codes: Valid agency name.

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.32-01	L P	E M	Cannot be empty if <Reconstruction: InvestigatingAgency> is *true* (*Yes*).	1/1/2012
1.32-02	L P	E M	Must be empty if <Reconstruction: InvestigatingAgency> is *false* (*No*) or empty (*Not Required*).	1/1/2012

1.33 County <CountyCode>

Description: Three-digit code of the county in which the crash occurred.

Valid Codes: Appendix: County Codes, St. Louis City

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.33-01	L P	E M	Must be a valid value. Cannot be empty.	1/1/2012
QC1.33-02	L	E M	<CountyCode> should equal position 3-5 in the Originating Agency Id (ORI) except in the case of MOSPD0000. In that case, County must be 116 if ORI is MOSPD0000.	06/21/2018

1.34 Municipality <MunicipalityCode>

Description: Four-digit municipality code in which the crash occurred.

Valid Codes: Appendix: Municipality Codes
9999 = Unincorporated Area

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.34-01	L P	E M	Must be a valid value. Cannot be empty.	1/1/2012

1.35 Municipality Name <MunicipalityName>

Description: Name of the municipality in which crash occurred.

Valid Codes: Appendix: Municipality Codes

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.35-01	L P	E	Must be a valid value. Cannot be empty.	1/1/2012

1.36 Troop/District/Precinct <Troop>

Description: The troop, district, or precinct in which the crash occurred.

Valid Codes: Valid Missouri law enforcement agency troop, zone, or precinct.
NA is valid

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.36-01	L P	E M	Must be a valid value.	1/1/2012
1.36-02	L P	E	Cannot be empty.	1/1/2012
1.36-03	P	E M	Must be a valid MSHP Patrol Troop.	1/1/2012

1.37 Beat/Zone <BeatZone>

Description: The beat or zone in which the crash occurred.
Valid Codes: Valid Missouri law enforcement agency beat or zone.
                       NA is valid

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.37-01	L P	E M	Must be a valid value.	1/1/2012
1.37-02	L P	E	Cannot be empty.	1/1/2012
1.37-03	P	E M	Must be a valid MSHP Patrol Zone for the Troop.	1/1/2012

1.38 GPS Latitude <GpsLatitude>

Description: The crash location latitude in DDMMSS.S (decimal seconds) format and WGS84 datum setting.
Valid Codes: Valid Missouri Latitude
                       Empty tag
Format: DDMMSS.S

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.38-01	L P	E M	Must be a valid value.	1/1/2012
1.38-02	L P	E M	Degree must be greater than or equal 35 and less than or equal 40. Minute must be greater than or equal 00 and less than 60. Seconds must be greater than or equal 00.00 and less than 60.00.	1/1/2012

1.39 GPS Longitude <GpsLongitude>

Description: The crash location longitude in DDMMSS.S (decimal seconds) format and WGS84 datum setting.
Valid Codes: Valid Missouri Longitude
                       Empty tag
Format: DDMMSS.S

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.39-01	L P	E M	Must be a valid value.	1/1/2012
1.39-02	L P	E M	Degree must be greater than or equal 89 and less than or equal 95. Minute must be greater than or equal 00 and less than 60. Seconds must be greater than or equal 00.00 and less than 60.00.	1/1/2012

1.40 On Location Route Designator <OnLocationRoute>

Description: Route designator on which the crash occurred.
Valid Codes:
Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.40-01	L P	E M	Must be a valid value. Cannot be empty.	1/1/2012
1.40-02	L P	E M	Cannot contain an Emergency Reference Marker (ERM).	1/1/2012
1.40-03	L P	E M	Cannot contain a BRIDGE designator.	1/1/2012

1.41 On Location Street <OnLocationStreet>

Description: Name of the street, highway, or private property address where a crash occurred.
Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.41-01	L P	E M	Must be a valid value. Cannot be empty.	1/1/2012
1.41-02	L P	E M	Must be numeric when <OnLocationRoute> is one of the following: IS =Interstate US =U.S. Highway (exception 63C) MO=State Numbered (exception 64A and 64B) AL =Alternate Route LP =Loop (Interstates Only) BU =Business Route (US or MO only) SP =Spur RV =Reversible RP = Ramp * There are a couple exceptions to this numeric rule. (64A, 64B, 63C)	2/16/2016
1.41-03	L P	E M	Cannot be numeric when <OnLocationRoute> is RT *(State Lettered)*	1/1/2012
1.41-04	L P	E M	Cannot contain an Emergency Reference Marker *(ERM)*.	1/1/2012
1.41-05	L P	E M	Cannot contain a BRIDGE route designator.	1/1/2012

1.42 On Location Highway <OnLocationHighway>

Description: Official highway number on which the crash occurred. Only populate this field with a value when the On Location Route Designator is 'IS', 'US', or 'MO'.

Valid Codes: Valid Missouri highway number (0070, 0435, etc.)

Empty tag

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.42-01	L P	E M	Must be a valid value.	1/1/2012

1.43 On Location Block <OnLocationBlock>

Description: Block number of the street on which the crash occurred.

Valid Codes: UNK = Unknown

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.43-01	L P	E M	Must be a valid value.	1/1/2012
1.43-02	L P	E M	Cannot be unknown. Use UNK instead.	1/1/2012

1.44 On Location Direction <RoadwayDirection>

Description: Route direction (lane) of the street or highway on which the crash occurred or where a vehicle initially left the roadway.

Valid Codes:
N = North
S = South
E = East
W = West
U = Unknown
NA = Not Applicable

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.44-01	L P	E M	Must be a valid value. Cannot be empty.	1/1/2012
1.44-02	L P	E M	Must be N or S if <OnLocationRoute> is: IS =Interstate US =U.S. Highway MO=State Numbered And On Location Highway/Street Name ends with 1, 3, 5, 7, or 9.	1/1/2012
1.44-03	L P	E M	Must be E or W if <OnLocationRoute> is: IS =Interstate	1/1/2012

			US =U.S. Highway MO=State Numbered And On Location Highway/Street Name ends with 2, 4, 6, 8, or 0.	
1.44-04	L P	E M	Must be NA and can only be NA if On Highway Type equals PP.	4/8/2016
1.44-05	L P	E M	Must be a U when <OnLocationStreet> is "Unknown".	1/1/2012

1.45 At Location Route Designator <IntersectingRoute>
Description: Route designator of the intersecting street or highway at which the crash occurred.
Valid Codes:
Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.45-01	L P	E M	Must be a valid value.	1/1/2012
1.45-02	L P	E M	Cannot be RP if <OnLocationRoute> is RP.	1/1/2012
1.45-03	LP	EM	Can be empty only when <OnLocationRoute> is PP	1/6/2016

1.46 At Location Block <IntersectingBlock>
Description: Block number of the intersecting street or highway where at which the crash occurred.
Valid Codes: UNK = Unknown
Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.46-01	L P	E M	Must be a valid value.	1/1/2012
1.46-02	L P	E M	Cannot be unknown. Use UNK instead.	1/1/2012

1.47 At Location Street <Intersecting>
Description: Name of the intersecting street of the crash location if the crash occurred at an intersection. If the
         crash did not occur at an intersection, this field would indicate the nearest intersecting street,
         roadway, or landmark.
Valid Codes:
Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.47-01	L P	E M	Must be a valid value. Cannot be empty.	1/1/2012

1.47-02	L P	E M	Must be numeric when <IntersectingRoute> is one of the following:
			   IS =Interstate
			   US =U.S. Highway (exception 63C)
			   MO=State Numbered (exception 64A and 64B)
			   AL =Alternate Route
			   LP =Loop (Interstates Only)
			   BU =Business Route (US or MO only)
			   SP =Spur
			   RV =Reversible
			   RP = Ramp
			* There are a couple exceptions to this numeric rule. (64A, 64B, 63C)
				2/16/2016

1.47-03	L P	E M	Cannot be numeric when <IntersectingRoute> is RT (*State Lettered*).	1/1/2012

1.48 Intersecting Direction <IntersectingDirection>
Description: Indicates the direction of the roadway lane entered in the At Location Street.
Valid Codes: N = North
         S = South
         E = East
         W = West
         U = Unknown
         NA = Not applicable, crash not referenced to an intersecting roadway.

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.48-01	L P	E M	Must be a valid value. Cannot be empty.	1/1/2012
1.48-02	L P	E M	Must be U only when <Intersecting> is UNKNOWN.	1/1/2012
1.48-03	L P	E M	Must be NA and can only be NA if <OnLocationRoute> is PP or <IntersectingRoute> is BRIDGE Or ERM.	10/10/2017

1.49 Intersection Location <Location>

Description: Crash location spatially relative to the intersecting street, roadway, ramp, ERM, or beginning of bridge structure as listed in the MoDOT Location Book and based on the roadway direction of the lane in which the first harmful occurred or the lane where vehicle initially left the roadway.

Valid Codes: A = After - crash occurred after the confines of the intersection, emergency reference marker, or beginning of bridge structure.

B = Before - crash occurred before confines of the intersection, emergency reference marker, or beginning of bridge structure.

Empty tag = At - crash occurred within the confines of the intersection, at an emergency reference marker, or beginning of bridge structure.

N = Not Applicable, crash did not occur on a roadway or occurred on private property.

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.49-01	L P	E M	Must be a valid value.	1/1/2012
1.49-02	L P	M	*Not Applicable*	1/1/2012
1.49-03	L P	E M	Must be and can only be N (Not Applicable) if <OnLocationRoute> is PP = Private Property.	6/26/2019
1.49-04	L P	E M	Must be A = After or B = Before if <DistanceFromNA> is False = No (crash occurred at a distance from an intersecting street, roadway, emergency reference marker, or beginning of a bridge structure) and <OnLocationRoute> is not PP = Private Property.	6/26/2019

1.50 On Location Distance Measure <DistanceFromMeasure>

Description: Measure of the distance used to the crash scene from the nearest intersecting street, roadway, ramp, emergency reference maker (ERM), or bridge as listed in the MoDOT Location Book.

Valid Codes: FOOT

MILE

Empty tag

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.50-01	L P	E M	Must be a valid value.	1/1/2012
1.50-03	L P	E M	Must be empty if <Location> is empty (*At*).	1/1/2012
1.50-05	L P	E M	Cannot be empty if <Location> is A (*After*) or B (*Before*), or <Location> is N (*Not Applicable*) and <OnLocationRoute> is PP (*Private Property*).	1/7/2014

1.51 On Location Distance <DistanceFrom>

Description: Distance to the crash scene in miles or feet from the nearest intersecting street, roadway, ramp, emergency reference maker (ERM), or bridge as listed in the MoDOT Location Book.

Valid Codes: If Measure is MILE, 00.1 - 99.9

If Measure is FOOT, 1-9999

Empty tag = At Intersection.

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.51-01	L P	E M	Must be a valid value.	1/1/2012
1.51-02	L P	E M	Must be positive decimal value with no more than 1 digit precision (##.#) when numeric when <DistanceFromMeasure> is MILE.	1/1/2012

1.51-03	L P	E M	Must be empty if <Location> is empty (*At*).	1/1/2012
1.51-04	L P	E M	Must be positive integer value when <DistanceFromMeasure> is FOOT.	1/1/2012
1.51-05	L P	E M	Must have a value greater than 0 if <Location> is A (*After*) or B (*Before*), or <Location> is N (*Not Applicable*) and <OnLocationRoute> is PP (*Private Property*).	1/7/2014

1.52 Distance from NA <DistanceFromNA>

Description: Indicates crash occurred at the intersecting street, roadway, emergency reference marker (ERM), or beginning of a bridge structure.

Valid Codes: True = Yes, crash occurred at intersecting street, roadway, emergency reference marker, or   beginning of a bridge structure.
    False = No, crash occurred at a distance from an intersecting street, roadway, emergency reference marker, or beginning of a bridge structure.

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.52-01	L P	E M	Must be a valid value. Cannot be empty.	1/1/2012
1.52-02	L P	E M	Must be *true* if <Location> is empty (*At*).	1/1/2012

1.53 On Location Speed Limit <OnSpeedLimit>

Description: Posted speed limit of roadway on which a crash occurred.

Valid Codes: 05 - 70 in increments of 5
    NA = Not applicable, crash did not occur on a roadway

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.53-01	L P	E M	Must be a valid value. Cannot be empty.	1/1/2012
1.53-02	L P	E	*Not Applicable*	1/1/2012

1.54 At Location Speed Limit <AtSpeedLimit>

Description: Posted speed limit of the intersecting roadway.

Valid Codes: 05 - 70 in increments of 5
    Empty tag = Not applicable

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.54-01	L P	E M	Must be a valid value.	1/1/2012
1.54-02	L P	E	*Not Applicable*	1/1/2012
1.54-03	L P	E M	Cannot be empty if <Location> is empty (*At*).	1/1/2012

1.55 Road Maintained By <RoadMaintainedBy>

Description: Indicates who maintains the roadway on which the crash occurred.

Valid Codes: 1 = State
    2 = County
    3 = Municipal
    4 = Private Property
    5 = Other
    6 = Unknown

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.55-01	L P	E M	Must be a valid value. Cannot be empty.	1/1/2012
1.55-02	L P	E M	If 4 then <OnLocationRoute> must be PP (*Private Property*) or PVT (*Private Road*). The converse is not true, <OnLocationRoute> of PP or PVT does not have to be a 4.	1/1/2012

| 1.55-03 | L P | E M | Cannot be 6 if <InvestigatorAtScene> is *true* (*Crash investigated at scene*). | 1/1/2012 |

1.56 Geo Code <GeoCode>

Description: The geo-code of the street or highway on which a crash occurred. This field is only used when the agency submitting the report has a geo-coding system.

Valid Codes: Valid agency geo-code
NA = Agency doesn't utilize geo-coding

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.56-01	L P	E M	Must be a valid value. Cannot be empty.	1/1/2012

1.57 Trafficway <Trafficway>

Description: Configuration of the trafficway at the crash location.

Valid Codes: 1 = Two Way, Not Divided
2 = Two Way, Divided, Unprotected Median
3 = Two Way, Divided, Positive Median Barrier
4 = One Way
5 = Two Way, Not Divided, Continuous Center Turn Lane
6 = Other
U = Unknown
Empty tag = Not Required

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.57-01	L P	E M	Must be a valid value.	1/1/2012
1.57-02	L P	E M	Cannot be empty if <LongForm> is L.	1/1/2012
1.57-03	L P	E M	Cannot be U if <InvestigatorAtScene> is *true* (*Crash investigated at scene*).	1/1/2012

1.58 Road Alignment <RoadAlignment>

Description: Curvature of the road on which the crash occurred.

Valid Codes: 1 = Straight
2 = Curved
U = Unknown
Empty tag = Not Required

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.58-01	L P	E M	Must be a valid value.	1/1/2012
1.58-02	L P	E M	Cannot be empty if <LongForm> is L.	1/1/2012
1.58-03	L P	E M	Cannot be U if <InvestigatorAtScene> equals *true* (Yes).	1/1/2012

1.59 Road Profile <RoadProfile>

Description: Incline of the road where the crash occurred.

Valid Codes: 1= Level
3 = Hillcrest
4 = Uphill
5 = Downhill
6 = Dip
U = Unknown
Empty tag = Not Required

Edits:

Edit ID	Agy	Sys	Edit	Date added/changed
1.59-01	L P	E M	Must be a valid value.	1/1/2012
1.59-02	L P	E M	Cannot be empty if <LongForm> is L.	1/1/2012
1.59-03	L P	E M	Cannot be U if <InvestigatorAtScene> equals *true* (Yes).	1/1/2012

1.60 Intersection Type <IntersectionType>

Description: Type of intersection at the crash location.

Valid Codes: 01 = Not At Intersection
02 = Four-Way Intersection
03 = T-Intersection
04 = Y-Intersection
05 = Roundabout
06 = Five-Way or More Intersection
07 = Other
U = Unknown
Empty tag = Not Required

Edits:

Edit ID	Edit	Date added/changed
1.60-01	Must be a valid value.	1/1/2012
1.60-02	Cannot be empty if <LongForm> is L.	1/1/2012
1.60-03	Must be 01 if <Location> is: A = After - crash occurred after the confines of the intersection, emergency reference marker, or beginning of bridge structure. B = Before - crash occurred before confines of the intersection, emergency reference marker, or beginning of bridge structure. N = Not Applicable, crash did not occur on a roadway.	1/1/2012
1.60-04	Must be 01 if At Location Highway/Street contains Bridge or ERM.	1/1/2012
1.60-05	Cannot be U if <InvestigatorAtScene> equals *true* (*Yes*).	1/1/2012
1.60-06	Cannot be 01 if <Location> is empty (*At*) and At Location Highway/Street does not contain ERM or BRIDGE.	1/1/2012

1.61 Road Condition <RoadConditions>

Description: Primary surface condition of the roadway at the time of the crash.

Valid Codes: 1= Dry
2 = Wet
3 = Snow
4 = Ice / Frost
5 = Slush
6 = Mud / Dirt
7 = Standing Water
8 = Moving Water
9 = Other
10 = Sand / Gravel
U = Unknown

Edits:

Edit ID	Agy	Edit	Date added/changed
1.61-01	L P	Must be a valid value.	1/1/2012
1.61-02	L P	Cannot be empty.	1/1/2012
1.61-03	L P	*Not Applicable*	1/1/2012
1.61-04	L P	Value cannot be duplicated.	1/1/2012
1.61-05	L P	Cannot have more than 2 values.	1/1/2012
1.61-06	L P	U (*Unknown*) is mutually exclusive.	1/1/2012

1.62 Road Surface <RoadSurface>

Description: Primary surface of the road where a crash occurred.

Valid Codes: 1 = Concrete
2 = Asphalt
3 = Brick
4 = Gravel

5 = Dirt / Sand
6 = Multi-Surface
7 = Cobblestone
U = Unknown
Empty tag = Not Required

Edits:

Edit ID	Agy	Edit	Date added/changed
1.62-01	L P	Must be a valid value.	1/1/2012
1.62-02	L P	Cannot be U if <InvestigatorAtScene> equals *true* (*Yes*).	1/1/2012
1.62-03	L P	Cannot be empty unless <LongForm> equals S.	1/1/2012

1.63 Weather Condition <WeatherConditions>

Description: Prevailing weather condition at the time the crash occurred.

Valid Codes:
1 = Clear
2 = Cloudy
3 = Rain
4 = Snow
5 = Sleet / Hail
6 = Freezing
7 = Fog / Mist
10 = Severe Crosswind
11 = Other
U = Unknown
Empty tag = Not Required

Edits:

Edit ID	Sys	Edit	Date added/changed
1.63-01	E M	Must be a valid value.	1/1/2012
1.63-02	E M	Cannot be empty if <LongForm> is L.	1/1/2012
1.63-03	E M	U (*Unknown*) is mutually exclusive.	1/1/2012
1.63-04	E M	Values cannot be duplicated.	1/1/2012
1.63-05	E M	Cannot have more than 3 values.	1/1/2012

1.64 Light Condition <LightCondition>

Description: Type or level of light conditions at the time the crash occurred.

Valid Codes:
1 = Daylight
2 = Dark - Lighted
3 = Dark - Unlighted
6 = Dark - Unknown Lighting
7 = Other
U = Unknown

Edits:

Edit ID	Agy	Edit	Date added/changed
1.64-01	L P	Must be a valid value.	1/1/2012
1.64-02	L P	Cannot be empty.	1/1/2012
1.64-03	L P	*Not Applicable*	1/1/2012
1.64-04	L P	If <AccidentTime> is between 0000 and 0400 <LightCondition> cannot equal 1.	1/1/2012
1.64-05	L P	If <AccidentTime> is between 2200 and 2359 <LightCondition> cannot equal 1.	1/1/2012
1.64-06	L P	If <AccidentTime> is between 0800 and 1600 <LightCondition> must equal 1 or 7.	1/1/2012
1.64-07	L P	Can be U (*Unknown*) only when <AccidentTime> is between 0401 to 0759 or 1601 to 2159.	1/1/2012 3/28/2014
1.64-08	L P	Can be 6 (*Dark - Unknown Lighting*) only when <AccidentTime> is between 0000-0759 and 1601-2359 or the <AccidentTimeUnknown> equals "U".	1/1/2012 3/28/2014 9/1/2017

1.65 No Property Damage Indicator <PropertyDamageNone>
Description: Indicates there is no damage to property associated with the crash other than involved vehicles.
Valid Codes: True = No, no other damage than to vehicles in crash.
   False = Yes, damage to property other than vehicles associated with crash.

Edits:

Edit ID	Agy	Edit	Date added/changed
1.65-01	L P	Must be a valid value. Cannot be empty.	1/1/2012

1.66 MoDOT Property Owner <PropertyDamageMODOT>
Description: Indicates the property damaged is owned by Missouri Department of Transportation.
Valid Codes: True = Damaged property is owned by Missouri Department of Transportation.
   False = Damaged property is not owned by Missouri Department of Transportation.

Edits:

Edit ID	Agy	Edit	Date added/changed
1.66-01	L P	Must be a valid value.	1/1/2012
1.66-02	L P	Can be *true* only if <LongForm> is L.	1/1/2012
1.66-03	L P	Can be *true* only if <PropertyDamageNone> is *false* (*Yes, damage to property other than vehicles associated with crash*).	1/1/2012
1.66-04	L P	If <Property Damage MODOT> is true, than <PropertyDamageOwner><LastName> must be MoDOT.	09/11/2018

1.67 County Property Owner <PropertyDamageCounty>
Description: Indicates the damaged property is owned by the county in which the crash occurred.
Valid Codes: True = Damaged property is owned by county where crash occurred.
   False = Damaged property is not owned by county where crash occurred.

Edits:

Edit ID	Agy	Edit	Date added/changed
1.67-01	L P	Must be a valid value.	1/1/2012
1.67-02	L P	Can be *true* only if <LongForm> is L.	1/1/2012
1.67-03	L P	Can be *true* only if <PropertyDamageNone> is *false* (*Yes, damage to property other than vehicles associated with crash*).	1/1/2012

1.68 Municipality Property Owner <PropertyDamageMunicipality>
Description: Indicates the damaged property is owned by the municipality in which the crash occurred.
Valid Codes: True = Damaged property is owned by municipality where crash occurred.
   False = Damaged property is not owned by municipality where crash occurred.

Edits:

Edit ID	Agy	Edit	Date added/changed
1.68-01	L P	Must be a valid value.	1/1/2012
1.68-02	L P	Can be *true* only if <LongForm> is L.	1/1/2012
1.68-03	L P	Can be *true* only if <PropertyDamageNone> is *false* (*Yes, damage to property other than vehicles associated with crash*).	1/1/2012

1.69 Witness None Identified Indicator <WitnessNoneIdentified>
Description: Indicates no witnesses to the crash were identified.
Valid Codes: True = No witnesses to crash were identified.
   False = Witnesses to crash were identified.

Edits:

Edit ID	Agy	Edit	Date added/changed
1.69-01	L P	Must be a valid value.	1/1/2012
1.69-02	L P	*Not applicable*	1/1/2012

1.70 Additional Witness in Narrative Indicator <WitnessesInNarrative>
Description: Indicates additional witness information is in the narrative section of the crash report.
Valid Codes: True = Additional witness information is in the crash report narrative.
    False = No additional witness information is in the crash report narrative.
Edits:

Edit ID	Agy	Edit	Date added/changed
1.70-01	L P	Must be a valid value.	1/1/2012
1.70-02	L P	*Not Applicable*	1/1/2012

1.71 Reporting Officer DSN <ReportingOfficerDSN>
Description: Reporting/Investigating officer's Department Serial Number or badge number.
Valid Codes: Valid department serial number or badge number
    99999 = Unknown
Edits:

Edit ID	Agy	Edit	Date added/changed
1.71-01	L P	Must be a valid value. Cannot be empty.	1/1/2012

1.72 Reporting Officer Troop/District/Precinct <ReportingOfficerTroop>
Description: Reporting/Investigating officers assigned troop, precinct, or district.
Valid Codes: Valid department troop, precinct, or district.
    Empty tag = No troop/district/precinct (valid for local agencies).
Edits:

Edit ID	Agy	Edit	Date added/changed
1.72-01	L	Must be a valid value.	1/1/2012
1.72-02	P	Must be a valid MSHP Troop.	1/1/2012

1.73 Reporting Officer Beat/Zone <ReportingOfficerBeatZone>
Description: Reporting/Investigating officers assigned beat or zone.
Valid Codes: Valid department beat or zone**.**
    Empty tag = No Beat/Zone (valid for local agencies).
Edits:

Edit ID	Agy	Edit	Date added/changed
1.73-01	L	Must be a valid value.	1/1/2012
1.73-02	P	Must be a valid MSHP Zone for the Reporting Officer Troop/District/Precinct.	1/1/2012

1.74 Reporting Officer Name <ReportingOfficerName>
Description: Name of the reporting officer.
Valid Codes: Valid officer name.
Edits:

Edit ID	Agy	Edit	Date added/changed
1.74-01	L P	Must be a valid value. Cannot be empty.	1/1/2012

1.75a Reviewing Officer DSN 1 <ReviewingOfficerDSN>
Description: Reviewing officer department serial number (DSN) or badge number.
Valid Codes: Valid department serial number or badge number.
    99999 = Unknown.
Edits:

Edit ID	Agy	Edit	Date added/changed
1.75a-01	L P	Must be a valid value. Cannot be empty.	1/1/2012

1.75b Reviewing Officer Name 1 <ReviewingOfficerName>
Description: Name of the officer who reviewed the crash report.

Valid Codes: Valid officer name.

Edits:

Edit ID	Agy	Edit	Date added/changed
1.75b-01	L P	Must be a valid value. Cannot be empty.	1/1/2012

1.76a Reviewing Officer DSN 2 <ReviewingOfficer2Name>

Description: Second reviewing officer's department serial number (DSN) or badge number.

Valid Codes: Valid department serial number or badge number.

99999 = Unknown.

Empty tag = no second reviewing officer.

Edits:

Edit ID	Agy	Edit	Date added/changed
1.76a-01	L P	Must be a valid value.	1/1/2012

1.76b Reviewing Officer Name 2 <ReportingOfficerName>

Description: Name of second officer who reviewed crash report.

Valid Codes: Valid officer name.

Empty tag = no second reviewing officer.

Edits:

Edit ID	Agy	Edit	Date added/changed
1.76b-01	L P	Must be a valid value.	1/1/2012

1.78 Pedestrian Involvement NA Indicator <PedestrianNA>

Description: Indicates whether a pedestrian was involved in a crash.

Valid Codes: True = No pedestrians were involved in crash.

False = One or more pedestrians were involved in crash.

Edits:

Edit ID	Agy	Edit	Date added/changed
1.78-01	L P	Must be a valid value.	1/1/2012
1.78-02	L P	Cannot be *false* unless <LongForm> L.	1/1/2012
1.78-03	L P	Cannot be *true* if <CrashType> is 05 (*Pedestrian*).	1/1/2012
1.78-04	L P	Cannot be *true* if there is a pedestrian element.	1/1/2012
1.78-05	L P	Cannot be *false* if there is not a pedestrian element.	1/1/2012

1.79 SHP 105 / 325 indicator <SHP105_325>

Description: Indicates whether criminal activity or a juvenile or both was involved.

Note: *This field should be empty except for reports submitted by MSHP.*

Valid Codes: 0 = No report associated with the crash.

2 = Incident Report (SHP 325) associated with the crash.

3 = Juvenile Report (SHP 105) associated with the crash.

4 = both Incident Report (SHP 325) and Juvenile Report (SHP 105) associated with the crash.

6 = Investigation Report (SHP 326) associate with the crash.

7 = both Investigation Report (SHP 326) and Juvenile Report (SHP 105) associated with the crash.

8 = Arrest Report (SHP 327) associate with the crash.

Empty tag = Non Patrol report.

Conversion

Patrol RMS	TMS Database
1	0
3	2
4	3
5	4

Edits:

Edit ID	Agy	Edit	Date added/changed
1.79-01	P	Must be a valid value. Cannot be empty.	1/1/2012
1.79-02	L	Must be empty.	1/1/2012

1.80 Agency Record ID <AgencyRecordId>

Description: Internal ID for the crash by the sending RMS.

Valid Codes: Optional field

Edits:

Edit ID	Agy	Edit	Date added/changed
1.80-01	L	*Not Applicable*	1/1/2012

1.81 Vendor Code <VendorCode>

Description: Unique Vendor.

Valid Codes:

Edits:

Edit ID	Agy	Edit	Date added/changed
1.81-01	L	Must be a valid value.	1/1/2012

7.0 VEHICLE

2.01 Vehicle Number <VehicleNumber>

Description: A unique sequential number assigned to each vehicle involved in a crash. A vehicle can be deleted from the list and create a gap in the numbers to keep the vehicle numbers ordered.

Valid Codes: 1 - 999

Edits:

Edit ID	Agy	Edit	Date added/changed
2.01-01	L P	Must be a valid value.	1/1/2012
2.01-02	L P	Must be a unique number within this crash. Cannot be duplicated.	1/1/2012

2.02 Driver Presence Code <DriverPresenceCode>

Description: Indicates whether a driver of the vehicle was present and/or identified.

Valid Codes: 1 = Driver present and/or identified
2= Present but not identified
N = No Driver
U = Unknown Driver
Empty tag = train

Edits:

Edit ID	Agy	Edit	Date added/changed
2.02-01	L P	Must be a valid value.	1/1/2012
2.02-02	E M	Can be empty only if there is a train record with a corresponding <VehicleNumber>	1/1/2012

2.03 Operator License Number <DriverLicenseNumber>

Description: Complete driver license number or identification number from a driver license / identification card, regardless of license status. May indicate the number assigned by the licensing authority if an individual did not have a driver license.

Valid Codes: Valid state issued driver license, identification card, or number.
NONE = Driver license is required and driver is unlicensed or with no assigned number.
UNK (Electronic) = Driver license number cannot be determined.
NA = No driver license is required, the driver is unlicensed, or there is no driver.

Edits:

Edit ID	Agy	Edit	Date added/changed
2.03-01	L P	Must be a valid value.	1/1/2012
2.03-02	L P	Cannot be empty if <LongForm> equals L unless vehicle is a train.	1/1/2012
2.03-03	L P	Must UNK if <DriverPresenceCode> is U (*Unknown driver*) or 2 (*Present But Unidentified*).	1/1/2012
2.03-04	L P	Must be NA if <DriverPresenceCode> is N (*No driver*).	1/1/2012
2.03-05	L P	Must be empty if vehicle is a train.	

2.04 Operator License State <DriverLicenseState>

Description: US state, Canadian province, or Mexican state issuing the driver license / identification card.

Valid Codes: See Appendix: State/Providence Codes

Edits:

Edit ID	Agy	Edit	Date added/changed
2.04-01	L P	Must be a valid value.	1/1/2012
2.04-02	L P	Cannot be empty if <LongForm> equals L unless vehicle is a train.	1/1/2012
2.04-03	L P	Must UK if <DriverPresenceCode> is U (*Unknown driver*) or 2 (*Present But Unidentified*).	1/1/2012
2.04-04	L P	Must be NA if <DriverPresenceCode> N (*No driver*) or <DriverLicenseNumber> is NONE or NA.	10/10/2017
2.04-05	L P	Must be empty if vehicle is a train.	

2.05 Operator License Status <DriverLicenseStatus>

Description: Status of individual's driver license.

Valid Codes: 1 = Valid
2 = Suspended / revoked / denied
3 = Cancelled / otherwise invalid
4 = Expired
5 = Disqualified CDL
U = Unknown
N = Not applicable
Empty tag = Train or Not Required (Short Form)

Edits:

Edit ID	Agy	Edit	Date added/changed
2.05-01	L P	Must be a valid value.	1/1/2012
2.05-02	L P	Can be empty only if: <LongForm> is S Or <VehicleType> is 6 (*Railway vehicle*)	10/1/2014
2.05-03	L P	Must equal N if <DriverLicenseNumber> equals NA (*No driver's license is required and driver is unlicensed*) or <DriverPresenceCode> equals N (*No driver*).	1/1/2012
2.05-04	L P	Must equal U if <DriverPresenceCode> equals U (*Unknown driver*) or 2(*Present but not identified*).	1/1/2012

2.06 Operator License Type <DriverLicenseType>

Description: Type of individual's driver license.

Valid Codes: 1 = Operator
2 = CDL
3 = Permit
4 = Unlicensed
5 = Motorcycle Only
6 = Intermediate / Graduated
U = Unknown
N = Not Applicable
Empty tag = Not required
    - Train
    - Short Form

Edits:

Edit ID	Agy	Edit	Date added/changed
2.06-01	L P	Must be a valid value.	1/1/2012
2.06-02	L P	Cannot be empty if <DriverLicenseStatus> is not empty.	1/1/2012
2.06-03	L P	Must be 4 or N if <DriverLicenseStatus> equals N (*Not Applicable*).	1/1/2012
2.06-04	L P	Must be U if <DriverLicenseStatus> equals U (*Unknown*)	1/1/2012
2.06-05	L P	Must be N if <DriverPresenceCode> is N (*No Driver*).	1/1/2012
2.06-06	LP	Must be 2(*CDL*). If <VehicleBusType> is 1(*School bus*) and <DriverPresenceCode> = 1(*Driver present and/or identified*)	9/16/2014
2.06-07	L P	Cannot be 4 or N if <DriverLicenseStatus> equals 1 (Valid), 2 (Suspended/Revoked/Denied), 3 (Cancelled/Otherwise Invalid), 4 (Expired), 5(Disqualified CDL), or U (Unknown).	06/21/2018

2.07 Operator License Class <DriverLicenseClass>

Description: Class associated when an individual's driver license is of the type "Operator".

Valid Codes:
- E = Missouri class E
- F = Missouri class F
- U = Unknown
- A – Z = other state class
- 0 – 99 = other state class
- NA = Not applicable
- Empty tag = not required

Edits:

Edit ID	Agy	Edit	Date added/changed
2.07-01	L P	Must be a valid value.	1/1/2012
2.07-02	L P	Cannot be empty if <DriverLicenseType> equals 1 (*Operator*).	1/1/2012
2.07-03	L P	Must be E, F, or U if Operator License State is MO and <DriverLicenseType> equals 1 (*Operator*).	1/1/2012
2.07-04	L P	Must be empty unless <DriverLicenseType> equals 1 (*Operator*).	7/5/2016

2.08 Operator CDL License Class <DriverLicenseCdlClass>

Description: Class associated when an individual's CDL driver license is of the type "CDL".

Valid Codes:
- A = Missouri CDL class A
- B = Missouri CDL class B
- C = Missouri CDL class C
- U = Unknown
- A – Z = other state CLD class
- 0 – 99 = other state CDL class
- NA = Not applicable
- Empty tag = not required

Edits:

Edit ID	Agy	Edit	Date added/changed
2.08-01	L P	Must be a valid value.	1/1/2012
2.08-02	L P	Cannot be empty if <DriverLicenseType> equals 2 (*CDL*).	1/1/2012
2.08-03	L P	Must be A, B, C, or U if Operator License State is MO and <DriverLicenseType> is 2 (*CDL*).	1/1/2012
2.08-04	L P	Must be empty unless <DriverLicenseType> equals 2 (*CDL*).	1/1/2012

2.09 Operator Motorcycle Qualified <McEndorsement>

Description: Indicates whether the vehicle operator has a motorcycle endorsement to their driver license.

Valid Codes:
- Y = Yes
- N = No
- U = Unknown
- NA = Not Applicable
- Empty tag = Not Required

Edits:

Edit ID	Agy	Edit	Date added/changed
2.09-01	L P	Must be a valid value.	1/1/2012
2.09-02	L P	Cannot be empty if <DriverLicenseStatus> is not empty.	1/1/2012
2.09-03	L P	Cannot be empty when <LongForm> is L, unless vehicle is a train.	1/1/2012
2.09-04	L P	Must be NA if <BodyType> is not 10 (*Motorcycle*) Or <DriverPresenceCode> is N.	1/1/2012
2.09-05	L P	Must be NA if <DriverLicenseType> is 5 (*Motorcycle Only*) or N (*Not Applicable*).	1/1/2012
2.09-06	L P	Can be Y or N only if <BodyType> is 10 (*motorcycle*) and <DriverLicenseType> is: 1 = Operator 2 = CDL 3 = Permit 6 = Intermediate / Graduated	1/1/2012

2.09-07	L P	Cannot be N if <BodyType> is 10 (*motorcycle*) and <DriverLicenseType> is:	1/1/2012
		1 = Operator	10/22/2013
		2 = CDL	
		6 = Intermediate / Graduated	
		and <DriverLicenseStatus> is:	
		1 = Valid	
		5 = Disqualified CDL	
		Note: If <BodyType> is 10 and license type is 1, 2 or 6 and motorcycle endorsement is NO then regardless of license status to operate a car the license is invalid to operate a motorcycle, so license status cannot be 1 or 5.	
2.09-08	L P	Must be U (*Unknown*) when:	1/1/2012
		1) <BodyType> is 10 (*motorcycle*) and	
		2) <DriverPresenceCode>is 2 (*Present But Unidentified*) or U (*Unknown*) and	
		3) <DriverLicenseType> is not 5 (*Motorcycle Only*) or N (*Not Applicable*).	
2.09-09	L P	Must be N if <BodyType> is 10 (*motorcycle*) and <DriverLicenseType> is 4 (*Unlicensed*).	1/1/2012 3/28/2014

2.10 Insurance Indicator <ProofOfInsurance>

Description: Indicates whether the driver involved in the crash had proof of insurance.

Valid Codes: Y = Yes, proof of insurance or financial responsibility shown.

        N = No, proof of insurance or financial responsibility required but not shown.

        NR = Proof of insurance is not required and not shown.

        Empty tag = not required short form.

Edits:

Edit ID	Agy	Edit	Date added/changed
2.10-01	L P	Must be a valid value.	1/1/2012
2.10-02	L P	Cannot be empty if <LongForm> is L, unless vehicle is a train.	1/1/2012
2.10-03	L P	*Not Applicable*	1/1/2012

2.11 Insurance Expired <InsuranceExpired>

Description: Indicates if the insurance is expired.

Valid Codes: True = Insurance is expired

        False = Insurance is valid

        Empty tag = Train

Edits:

Edit ID	Agy	Edit	Date added/changed
2.11-01	L P	Must be a valid value.	1/1/2012
2.11-02	L P	Cannot be *true* if <ProofOfInsurance> is Y (*Yes, proof of insurance or financial responsibility shown*).	1/1/2012
2.11-03	L P	Cannot be *false* if <ProofOfInsurance> is N (*No, proof of insurance or financial responsibility required but not shown*).	

2.12 Insurance Company <InsuranceCompany>

Description: The name of the insurance company shown as proof of insurance insuring the vehicle or driver involved in the crash.

Valid Codes: Valid insurance company name

        Empty tag = not required - short form

        NA = proof is not shown whether required or not

Edits:

Edit ID	Agy	Edit	Date added/changed
2.12-01	L P	Must be NA if <ProofOfInsurance> is N (*No, proof of insurance or financial responsibility required but not shown*) and <InsuranceExpired> is empty (*Drivers insurance not required*).	1/1/2012
2.12-02	L P	Cannot be NA if <ProofOfInsurance> is N (*No, proof of insurance or financial responsibility required but not shown*) and <InsuranceExpired> is *true* (*Yes, driver's insurance is expired*).	1/1/2012

| 2.12-03 | L P | Must be NA If <ProofOfInsurance> is NR (Proof of insurance is not required and not shown). | 1/1/2012 |
| 2.12-04 | L P | Cannot be empty if <LongForm> is L, unless vehicle is a train. | 1/1/2012 |

2.13 Insurance Phone <InsurancePhone>

Description: The telephone number of the insurance company insuring the vehicle or driver involved in the crash.
Valid Codes: phone number
 Empty tag = Not required
Format: ##########
Edits:

Edit ID	Agy	Edit	Date added/changed
2.13-01	L P	Must be a valid value.	1/1/2012

2.14 Insurance Driver Vehicle Indicator <InsuranceDriverVehicle>

Description: Indicates whether the insurance is for the vehicle or for the driver.
Valid Codes: D = Driver
 V = Vehicle
 Empty tag = Not Applicable
Edits:

Edit ID	Agy	Edit	Date added/changed
2.14-01	L P	Must be a valid value.	1/1/2012
2.14-02	L P	Must be empty if <ProofOfInsurance> is N = No, proof of insurance or financial responsibility required but not shown and <InsuranceExpired> is *false* = Drivers insurance is valid.	1/1/2012

2.15 Policy Number NA Indicator <InsurancePolicyNA>

Description: Indicates that the policy number is not applicable, when the vehicle or driver is uninsured or the driver failed to show proof of liability insurance or proof of liability insurance is not required and is not shown.
Valid Codes: True = Policy number not applicable
 False = Policy number is applicable
Edits:

Edit ID	Agy	Edit	Date added/changed
2.15-01	L P	Must be a valid value.	1/1/2012
2.15-02	L P	Cannot equal *true* if <ProofOfInsurance> is Y (*Yes, proof of insurance or financial responsibility shown*).	1/1/2012
2.15-03	L P	Must be *true* if <ProofOfInsurance> is N (*No, proof of insurance or financial responsibility required but not shown*) and <InsuranceExpired> is *false* (*Insurance is valid*).	1/1/2012
2.15-04	L P	Must be *false* if <ProofOfInsurance> is N (*No, proof of insurance or financial responsibility required but not shown*) and <InsuranceExpired> is *true* (*Insurance is expired*).	1/1/2012
2.15-05	L P	Must be *true* if <ProofOfInsurance> is NR (*Proof of insurance is not required and not shown*).	1/1/2012

2.16 Insurance Policy Number <InsurancePolicyNumber>

Description: The insurance policy number, as shown on the proof of insurance, even if expired, proof of insurance was presented.
Valid Codes: valid insurance policy number
 Empty tag = Not Applicable
Edits:

Edit ID	Agy	Edit	Date added/changed
2.16-01	L P	Must be a valid value.	1/1/2012
2.16-02	L P	Cannot be empty if <InsurancePolicyNA> is *false* (*Policy number is applicable*).	1/1/2012

2.16-03	L P	Must be empty if <InsurancePolicyNA> is *true* (*Policy number not applicable*).	1/1/2012

2.17 Vision Obstructed <VisionObstructedCodes>

Description: Indicates the driver's vision obstructions.

Valid Codes:

01 = Windshield	09 = Moving Vehicle
02 = Load on Vehicle	10 = Glare
03 = Trees / Brush	11 = Other
04 = Building	12 = Not Obstructed
05 = Embankment	13 = Stopped Vehicle
06 = Sign	U = Unknown
07 = Hillcrest	N = Not Applicable
08 = Parked Vehicle	

Edits:

Edit ID	Agy	Edit	Date added/changed
2.17-01	L P	Must be a valid value.	1/1/2012
2.17-02	L P	Must be N if <DriverPresenceCode> is N (*No driver*).	1/1/2012
2.17-03	L P	Must be N if <LongForm> is L and <VehicleType> is 2 (*Parked motor vehicle*).	3/28/2014
2.17-04	L P	Cannot be N if <DriverPresenceCode> is: 1 = Driver present and/or identified 2= Present but not identified U = Unknown	1/1/2012
2.17-05	L P	12(*Not Obstructed*), U (*Unknown*) and N (*Not Applicable*) are mutually exclusive.	3/28/2014

2.18 Vehicle Type <VehicleType>

Description: Indicates the type of vehicle at the time it became involved in the crash and how it was being used at the time of the crash. Excludes aircraft, watercraft, personal conveyances (motorized or human powered but not propelled by pedaling), weapon, and devices operated within the confines of a building.

Valid Codes:
1 = Motor vehicle in transport
2 = Parked motor vehicle
3 = Working motor vehicle
4 = Pedalcycle
5 = Animal drawn vehicle / animal ridden for transport purposes
6 = Railway vehicle
U = Unknown
Empty tag = Short Form

Edits:

Edit ID	Agy	Edit	Date added/changed
2.18-01	L P	Must be a valid value.	1/1/2012
2.18-02	L P	Cannot be empty when <LongForm> equals L.	1/1/2012
2.18-03	L P	If <VehicleType> is 6 (*Railway Vehicle*) then there must be a train record.	1/1/2012
2.18-04	L P	Can be a 2 (Parked motor vehicle) only when <DriverPresenceCode> is N (*No driver*).	4/3/15

2.19 Vehicle Body Type <BodyType>

Description: Body type of a vehicle involved in a crash. Body type is based on vehicle design, NOT how it is licensed or used.

Valid Codes:

01 = Passenger Car	08 = Retired
02 = Retired	09 = Retired
03 = Sport Utility Vehicle	10 = Motorcycle
04 = Deleted	11 = ATV
05 = Van (<9 W/ Driver)	12 = Motorized Bicycle
06 = Small Bus (9 - 15 W/Driver)	13 = Pedalcycle
07 = Large Bus (16+ W/Driver)	14 = Motor Home

15 = Farm Implements
16 = Construction Equipment / Heavy Machinery
17 = Other Vehicle
18 = Retired
19 = Pickup
20 = Single Unit Truck; 2 Axels, 6 Tires
21 = Single Unit Truck; 3 or More Axels
22 = Truck Tractor with No Units
23 = Truck Tractor with One Unit

24 = Truck Tractor with Two Units
25 = Truck Tractor with Three Units
26 = Other Heavy Truck
27 = Cargo Van
28 = Limousine (9 - 15 W/Driver)
29 = Limousine (7 - 8 W/Driver)
30 = Passenger Van (9 + W/Driver)
U = Unknown
Empty tag = railroad vehicle

Edits:

Edit ID	Agy	Edit	Date added/changed
2.19-01	L P	Must be a valid value.	1/1/2012
2.19-02	L P	Can be empty only if <VehicleType> is 6 (*Railroad vehicle*)	1/1/2012
2.19-03	L P	Must be and can only be 13 if <VehicleType> is 4 (*Pedalcycle*).	1/1/2012
2.19-04	L P	Must be 17 if <VehicleType> is 5 (*Animal drawn vehicle/animal ridden for transport purposes*).	1/1/2012

2.20 Other Vehicle Code <OtherVehicleCode>

Description: Indicates the type of vehicle in crash is not described by Vehicle Body Type.

Valid Codes:
1 = Riding mower / garden tractor
2 = Golf cart
3 = Snowmobile
4 = Forklift
5 = Animal drawn vehicle / animal ridden for transportation
6 = Low speed vehicle (LSV)
7 = Other
Empty tag = Not Applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
2.20-01	L P	Must be a valid value.	1/1/2012
2.20-02	L P	Must be empty if <BodyType> is not 17 (*Other Vehicle*).	1/1/2012
2.20-03	L P	Must be 5 if <VehicleType> is 5 (*Animal drawn vehicle / animal ridden for transport purposes*).	1/1/2012

2.21 Vehicle Bus Type <VehicleBusType>

Description: Identifies the type of a small or large bus involved in a crash.

Valid Codes:
1 = School bus
2 = Intercity bus
3 = Transit / commuter bus
4 = Charter / tour bus
5 = Other bus
Empty tag = Not a bus

Edits:

Edit ID	Agy	Edit	Date added/changed
2.21-01	L P	Must be a valid value.	1/1/2012
2.21-02	L P	Cannot be empty when <BodyType> is: 6 = Small Bus (9 - 15 W/Driver) 7 = Large Bus (16+ W/Driver)	1/1/2012
2.21-03	L P	Must be empty when <BodyType> is not: 6 = Small Bus (9 - 15 W/Driver) 7 = Large Bus (16+ W/Driver)	1/1/2012

2.22 Motorcycle/ATV Number of Wheels <NumberOfWheels>

Description: Indicates the wheel configuration when motorcycle or ATV is identified as a body type.

Valid Codes:
2 = 2 Wheels
3 = 3 Wheels

4 = 4 Wheels
5 = 5 or more Wheels
U = Unknown
Empty tag = Not Applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
2.22-01	L P	Must be a valid value.	1/1/2012
2.22-02	L P	Cannot be empty when <BodyType> is: 10 = Motorcycle 11 = ATV	1/1/2012
2.22-03	L P	Must be empty when <BodyType> is not: 10 = Motorcycle 11 = ATV	1/1/2012

2.23 Vehicle Year <VehicleYear>

Description: The four-digit vehicle model year or the year indicated on the title or as obtained from the Department of Revenue.

Valid Codes: Valid vehicle model year
U = Unknown
NA = Not Applicable
Empty tag = Not Required - Short Form, train locomotive, vehicle type is U (Unknown)

Edits:

Edit ID	Agy	Edit	Date added/changed
2.23-01	L P	Must be a valid value.	1/1/2012
2.23-02	L P	Cannot be greater than current year plus 1.	1/1/2012
2.23-03	L P	Cannot be less than 1900.	1/1/2012

2.24 Vehicle Make <VehicleMakeCode>

Description: The vehicle make as indicated by the appropriate NCIC code or name.

Valid Codes: Reference NCIC Code Files
U = Unknown
Empty tag = Not Required (Short Form)

Edits:

Edit ID	Agy	Edit	Date added/changed
2.24-01	L P	Must be a valid value.	1/1/2012
2.24-02	L P	Cannot be empty if <LongForm> is L.	1/1/2012

2.25 Vehicle Model NCIC Code <VehicleModel>

Description: The manufacturer's vehicle model designation as indicated by NCIC code.

Valid Codes: Reference NCIC Code Files

Edits:

Edit ID	Agy	Edit	Date added/changed
2.25-01	L P	Cannot be empty if <LongForm> is L and <VehicleMakeName> is empty.	1/1/2012

2.26 Vehicle Make Name <VehicleMakeName>

Description: The manufacturer's vehicle make designation name.

Edits:

Edit ID	Agy	Edit	Date added/changed
2.26-01	L P	Cannot be empty if <LongForm> is L and <VehicleMakeCode> is empty.	1/1/2012

2.27a Vehicle Color #1 <VehicleColor1>

Description: The predominant color(s) of the vehicle.

Valid Codes:

ALU = Aluminum   AME = Amethyst

BGE = Beige
BLK = Black
BLU = Blue
BRO = Brown
BRZ = Bronze
CAM = Camouflage
CHA = Charcoal
COM = Chrome / Stainless
CPR = Copper
CRM = Cream / Ivory
DBL = Dark Blue
DGR = Dark Green
GLD = Gold
GRN = Green
GRY = Grey
LAV = Lavender
LBL = Light Blue
LGR = Light Green
MAR = Maroon/Burgundy
MAU = Mauve
MUL = Multicolored

ONG = Orange
ORC = Orchid
PEA = Peach
PEW = Pewter
PLE = Purple
PNK = Pink
RED = Red
PRI = Primer
RUS = Rust
SIL = Silver / Aluminum
TAN = Tan
TAU = Taupe
TEA = Teal
TRQ = Turquoise
WHI = White
WIN = Wine
WOD= Wood grain
YEL = Yellow
UNK = Unknown
Empty tag = Not Required

Edits:

Edit ID	Agy	Edit	Date added/changed
2.27a-01	L P	Must be a valid value.	1/1/2012
2.27a-02	L P	Cannot be empty if <LongForm> equals L.	1/1/2012

2.27b Vehicle Color #2 <VehicleColor2>

Description: The predominant color(s) of the vehicle.

Valid Codes: Same as Vehicle Color #1

Edits:

Edit ID	Agy	Edit	Date added/changed
2.27b-01	L P	Must be a valid value.	1/1/2012
2.27b-02	L P	Cannot be equal to <VehicleColor1>.	1/1/2012
2.27b-03	L P	If <VehicleColor1> is UNK than <VehicleColor2> must be empty.	1/1/2012 3/28/2014

2.28 Number of Occupants <NumberOfOccupants>

Description: The total number of vehicle occupants, including the driver and persons in or on the vehicle at the time of the first un-stabilized event.

Valid Codes: 0 - 999
U = Unknown Occupants

Edits:

Edit ID	Agy	Edit	Date added/changed
2.28-01	L P	Must be a valid value.	1/1/2012
2.28-02	L P	Must equal the number of person records for this vehicle where the <Operator> has a <DriverPresenceCode> of: 1 (*Driver present*) U(Unknown Driver) Or <Occupant> Except in the case where <NumberOfOccupants> is 'U'.	1/1/2012 3/28/2014
2.28-03	L P	<NumberOfOccupants> must equal 2 or more when <DriverPresenceCode> is 2 (*Unidentified Driver*).	3/14/2014
2.28-04	L P	Must equal the number of occupant elements for the vehicle.	8/1/2015

2.29 Vehicle License Number <VehicleLicenseNumber>

Description: The vehicle license plate number.
Valid Codes: license number
        NOTREQ = Not Required
        NONE = Required, but not present
        UNK = Unknown license plate number
        TEMP = Temporary tag

Edits:

Edit ID	Agy	Edit	Date added/changed
2.29-01	L P	Must be a valid value.	1/1/2012
2.29-02	L P	Can only contain special characters en-dash, space, and apostrophe.	1/1/2012

2.29-03	L P	Must be NOTREQ if <BodyType> is:
		    12 = motorized bicycle
		    13 = Pedalcycle
		    15 = Farm Implements
		    16 = Construction Equipment / Heavy Machinery
		  Or
		    17 = Other and <OtherVehicleCode> does not equal
		        7 (*Other*)
			1/1/2012

2.29-04	L P	Must be NOTREQ if <VehicleType> is:
		    4 = Pedalcycle
		    5 = Animal Drawn Vehicle / Animal Ridden For Transportation Purposes
		  Or
		    6 = Railway vehicle
		  And
		    Retractable Flange Wheeled Motor Vehicle NA is
		        Y (*Not a retractable flange wheeled motor vehicle*)
			1/1/2012

2.30 Vehicle License State <VehicleLicenseState>

Description: The state / province issuing the vehicle license.
Valid Codes: Reference: <u>Appendix: State/Providence Codes</u>
Edits:

Edit ID	Agy	Edit	Date added/changed
2.30-01	L P	Must be a valid value.	1/1/2012
2.30-02	L P	Must be NA if <VehicleLicenseNumber> is NOTREQ OR NONE	1/1/2012

2.31 Vehicle License Year <VehicleLicenseYear>

Description: The four-digit year designation of plate or the current year for license plates not displaying a year,
        such as an apportioned plate.
Valid Codes: 4 digit integer
        NA = Not applicable
        U = Unknown

Edits:

Edit ID	Agy	Edit	Date added/changed
2.31-01	L P	Must be a valid value.	1/1/2012
2.31-02	L P	Must be NA when <VehicleLicenseNumber> is NOTREQ, NONE.	1/1/2012
2.31-03	L P	If Vehicle State equals MO then cannot be greater than current year plus 2.	1/1/2012
2.31-04	L P	Must be U if license number is UNK (*Unknown license plate number*).	1/1/2012

2.32 Vehicle Identification Number <VinNumber>

Description: Vehicle Identification Number (VIN) as shown on the vehicle.
Valid Codes: valid VIN
        UNKNOWN
        UNK

NA

Edits:

Edit ID	Agy	Edit	Date added/changed
2.32-01	L P	Must be a valid value.	1/1/2012

2.32-02	L P	VIN must be 17 characters long or a valid code when the vehicle year is greater than 1980 and the body type is:
		   1 = Passenger Car
		   2 = Retired
		   3 = Sport Utility Vehicle
		   5 = Van (<9 W/ Driver)
		   6 = Small Bus (9 - 15 W/Driver)
		   7 = Large Bus (16+ W/Driver)
		   10 = Motorcycle
		   11 = ATV
		   14 = Motor Home
		   19 = Pickup
		   20 = Single Unit Truck; 2 Axels, 6 Tires
		   21 = Single Unit Truck; 3 or More Axels
		   22 = Truck Tractor with No Units
		   23 = Truck Tractor with One Unit
		   24 = Truck Tractor with Two Units
		   25 = Truck Tractor with Three Units
		   26 = Other Heavy Truck
		   27 = Cargo Van
		   28 = Limousine (9 - 15 W/Driver)
		   29 = Limousine (7 - 8 W/Driver)
		   30 = Passenger Van (9 + W/Driver)
			1/1/2012
			3/28/2014
			10/30/2015

2.33 Vehicle Owner is Driver Indicator <OwnerSameAsDriver>

Description: Indicates that the driver is the owner of the vehicle.

Valid Codes: True = Driver is owner.
False = Driver is not owner.

Edits:

Edit ID	Agy	Edit	Date added/changed
2.33-01	L P	Must be a valid value.	1/1/2012
2.33-02	L P	*Not applicable*	1/1/2012
2.33-03	L P	*Not applicable*	1/1/2012

2.36 Towed from the Scene Indicator <TowedFromScene>

Description: Indicates whether the vehicle was towed from the scene, not driven from the scene under its own power.

Valid Codes: True = Yes
False = No

Edits:

Edit ID	Agy	Edit	Date added/changed
2.36-01	L P	Must be a valid value.	1/1/2012
2.36-02	L P	*Not applicable*	1/1/2012

2.37 Towed Because Disabled <TowedDueToDisablingDamage>

Description: Indicates whether vehicle was towed (or will be towed) from the scene because of disabling damage received in the crash.

Valid Codes: True = Yes
False = No

Edits:

Edit ID	Agy	Edit	Date added/changed
2.37-01	L P	Must be a valid value.	1/1/2012
2.37-02	L P	*Not applicable*	1/1/2012

| 2.37-03 | L P | Must be *false* when <TowedFromScene> is *false* (*No*). | 1/1/2012 |

2.38 Towed By Indicator <TowedBy>

Description: This is a double Flag field, it indicates both, the vehicle was towed, but the company or individual towing it cannot be determined and if towing information is Not Applicable.

Valid Codes: U = Unknown, the towing company / individual is unknown
N = Not Applicable, vehicle was not towed, therefore towing information is not applicable
Empty tag = vehicle was towed and the towing company / individual is known.
Empty tag = Train

Edits:

Edit ID	Agy	Edit	Date added/changed
2.38-01	L P	Must be a valid value.	1/1/2012
2.38-02	LP	Must be N if <TowedFromScene> is *false* (*No*).	3/28/2014
2.38-03	LP	Cannot be N if <TowedFromScene> is *true* (*Yes*).	3/28/2014

2.39 Towing Company <TowingCompany>

Description: The name of the company or individual that towed vehicle from the crash scene.

Valid Codes: Name of Towing Company
Empty tag = the towing company / individual is unknown

Edits:

Edit ID	Agy	Edit	Date added/changed
2.39-01	L P	Cannot be empty when <TowedFromScene> is *true* (*Yes*) and <TowedBy> is empty.	3/28/2014
2.39-02	L P	Must be empty when <TowedFromScene> is either *false* (No) or empty (*Train*), or <TowedBy> is U (*Unknown, the towing company / individual is unknown*).	3/28/2014

2.40 Towing Company Address Line 1 <TowedByAddress: Address1>

Description: The first street address of the company or individual that towed vehicle from crash scene.

Valid Codes: Towing Company Address.
Empty tag = Not Towed or Unknown Towing Company.

Edits:

Edit ID	Agy	Edit	Date added/changed
2.40-01	L P	Cannot be empty when <TowingCompany> is not empty.	3/28/2014
2.40-02	L P	Must be empty when <TowingCompany> is empty.	3/28/2014

2.41 Towing Company Address Line 2 <TowedByAddress: Address2>

Description: The second street address of the company or individual that towed vehicle from crash scene.

Edits:

Edit ID	Agy	Edit	Date added/changed
2.41-01	L P	Must be empty when <TowedFromScene> is N (*No*).	1/1/2012

2.42 Towing Company City <TowedByAddress: City>

Description: The city in the address of the company or individual that towed vehicle from crash scene.

Valid Codes: Towing Company Address City.
Empty tag = Not Towed or Unknown Towing Company.

Edits:

Edit ID	Agy	Edit	Date added/changed
2.42-01	L P	Cannot be empty when <TowingCompany> is not empty.	3/28/2014
2.42-02	L P	Must be empty when <TowingCompany> is empty.	3/28/2014

2.43 Towing Company State <TowedByAddress: State>

Description: The state in the address of the company or individual that towed vehicle from crash scene.

Valid Codes: Appendix: State/Providence Codes

Empty tag = Not Towed

Edits:

Edit ID	Agy	Edit	Date added/changed
2.43-01	L P	Must be a valid value.	1/1/2012
2.43-02	L P	Must be empty when <TowedFromScene> is N (*No*).	1/1/2012

2.44 Towing Company Zip <TowedByAddress: ZipCode>

Description: The zip code in the address of the company or individual that towed vehicle from crash scene.
Valid Codes: Valid zip code
                              Empty tag = not towed

Edits:

Edit ID	Agy	Edit	Date added/changed
2.44-01	L P	Must be a valid value.	1/1/2012
2.44-02	L P	Must be empty when <TowedFromScene> is N (*No*).	1/1/2012

2.45 Towing Company Telephone <TowedByAddress: PhoneNumber>

Description: The telephone number of the company or individual that towed vehicle from crash scene.
Valid Codes: Valid telephone number.
                              Empty tag = Not Towed
Database Format: ##########
Edits:

Edit ID	Agy	Edit	Date added/changed
2.45-01	L P	Must be a valid value.	1/1/2012
2.45-02	L P	Must be empty when <TowedFromScene> is N (*No*).	1/1/2012

2.46 Vehicle Damage None Indicator <VehicleDamageNone>

Description: Indicates that the vehicle, including any towed unit and/or cargo, was not damaged.
Valid Codes: True = Vehicle had no damage
                              False = Vehicle had damage

Edits:

Edit ID	Agy	Edit	Date added/changed
2.46-01	L P	Must be a valid value.	1/1/2012
2.46-02	L P	*Not Applicable*	1/1/2012

2.47 Initial Impact Code <InitialImpactNumber>

Description: Indicates the corresponding initial impact point on the vehicle.
Valid Codes:

01 = Front Center	13 = Front Left Side
02 = Front Right	14 = Front Left
03 = Front Right Side	15 = Hood
04 = Front Right Center	16 = Roof
05 = Rear Right Center	17 = Trunk
06 = Rear Right Side	18 = Undercarriage
07 = Rear Right	19 = Windshield
08 = Rear Center	21 = Towed Unit
09 = Rear Left	22 = Cargo
10 = Rear Left Side	23 = Unknown
11 = Rear Left Center	24 = Other
12 = Front Left Center	NA = Not Applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
2.47-01	L P	Must be a valid value.	1/1/2012
2.47-02	L P	Cannot be NA unless	4/26/16

		<VehicleDamageNone> is *true* (*Vehicle had no initial damage*) Or <DamageAreas> contains only 24 (*Other*) and/or 20 (*Burned*)	
2.47-03	L P	Must be NA when <DamageAreas> is only 20 (*Burned*)	4/26/16
2.47-04	L P	Must be 23 (*Unknown*) when the <DamageAreas> is only 23 (*Unknown*)	4/26/16

2.48 Vehicle Damage Code <DamageAreas>

Description: The locations on a vehicle where damage was sustained in the crash.
Valid Codes:

01 = Front Center	14 = Front Left
02 = Front Right	15 = Hood
03 = Front Right Side	16 = Roof
04 = Front Right Center	17 = Trunk
05 = Rear Right Center	18 = Undercarriage
06 = Rear Right Side	19 = Windshield
07 = Rear Right	20 - Burned
08 = Rear Center	21 = Towed Unit
09 = Rear Left	22 = Cargo
10 = Rear Left Side	23 = Unknown
11 = Rear Left Center	24 = Other
12 = Front Left Center	Empty tag = Not Applicable
13 = Front Left Side	

Edits:

Edit ID	Agy	Edit	Date added/changed
2.48-01	L P	Must be a valid value.	1/1/2012
2.48-02	L P	Must be empty when <VehicleDamageNone> is *true* (*Vehicle had no initial damage*).	1/1/2012
2.48-03	L P	Cannot contain 21 (Towed Unit) if <BodyType> is 22(Truck Tractor with No Units) Or <Vehicle Pulling Another Unit> is False=No and <BodyType> is NOT 23 (Truck Tractor with One Unit), 24 (Truck Tractor with Two Units), or 25 (Truck Tractor with Three Units).	9/1/2017 12/20/2018

2.49 Vehicle Public Conveyance <PublicConveyance>

Description: Indicates if the vehicle was serving as a public conveyance at the time of the crash; such as engaged in the bus, taxi, or limousine shuttle services with or without passengers.
Valid Codes: True = Yes
             False = No

Edits:

Edit ID	Agy	Edit	Date added/changed
2.49-01	L P	Must be a valid value.	1/1/2012
2.49-02	L P	Can be *true* only when <LongForm> is L.	1/1/2012
2.49-03	L P	*Not applicable*	1/1/2012

2.50 Pre-Crash Direction of Travel <CompassDirection>

Description: Compass direction of travel the vehicle was traveling prior to the crash event(s).
Valid Codes: N - North
             S = South
             E = East
             W = West
             U = Unknown

Edits:

Edit ID	Agy	Edit	Date added/changed
2.50-01	L P	Must be a valid value.	1/1/2012

2.50-02	L P	Cannot be empty.	1/1/2012
2.50-03	L P	*Not Applicable*	1/1/2012

2.51 Pedalcycle To or From School Indicator <PedalcycleToFromSchool>

Description: Indicates if the individual using a pedalcycle involved in the crash was traveling to or from a primary or secondary school (grades K through 12).

Valid Codes: True = Yes
                False = No

Edits:

Edit ID	Agy	Edit	Date added/changed
2.51-01	L P	Must be a valid value.	1/1/2012
2.51-02	L P	*Not applicable*	1/1/2012
2.51-03	L P	Must be false when <BodyType> is not 13 (*Pedalcycle*).	1/1/2012

2.52 Vehicle Pulling another Unit <VehiclePullingAnother>

Description: Indicates if any of the vehicles other than truck tractors were pulling a towed unit.

Valid Codes: True = Yes
                False = No

Edits:

Edit ID	Agy	Edit	Date added/changed
2.52-01	L P	Must be a valid value.	1/1/2012
2.52-02	L P	*Not applicable*	1/1/2012
2.52-03	L P	*Not applicable*	1/1/2012

2.52-04	L P	Must be *false* when <BodyType> is:
		    22 = Truck Tractor with No Units
		    23 = Truck Tractor with One Unit
		    24 = Truck Tractor with Two Units
		    25 = Truck Tractor with Three Units
			1/1/2012

2.52-05	L P	*Removed*	9/1/2017

2.53 GCVW Rating <GcvwRating>

Description: Gross Vehicle Weight Rating (GVWR) of a single unit vehicle (pickups, cargo vans, all trucks, and truck tractors only) or the Gross Combined Vehicle Weight Rating (GCVWR) of a vehicle combination such as vehicle pulling another unit(s). This is not the licensed weight.

Valid Codes: L = Less than or equal to 10,000 lbs.
                1 = 10,001 to 26,000 lbs.
                G = Greater than 26,000 lbs.
                U = Unknown GCVW
                Empty tag = Not applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
2.53-01	L P	Must be a valid value.	1/1/2012

2.53-02	L P	Must be empty when <BodyType> is:
		    1 = Passenger Car
		    2 = Deleted
		    3 = Sport Utility Vehicle
		    4 = Deleted
		    5 = Van (<9 W/ Driver)
		    6 = Small Bus (9 - 15 W/Driver)
		    7 = Large Bus (16+ W/Driver)
		    10 = Motorcycle
		    11 = ATV
		    12 = Motorized Bicycle
		    13 = Pedalcycle
			1/1/2012

		14 = Motor Home 15 = Farm Implements 16 = Construction Equipment / Heavy Machinery 17 = Other Vehicle 28 = Limousine (9 - 15 W/Driver) 29 = Limousine (7 - 8 W/Driver) 30 = Passenger Van (9 + W/Driver) U = Unknown Unless <HazmatPlacardDisplayed>is Y.	
2.53-03	L P	Cannot be empty when <HazmatPlacardDisplayed> is Y.	1/1/2012

2.53-04	L P	Must be one of the following:
		    1=10,001 - 26,000 lbs.
		    G=Greater Than 26,000 lbs.
		    L=Less Than Or Equal To 10,000 lbs.
		    U = Unknown GCVW
		When <BodyType> is one of the following:
		    19 = Pickup
		    20 = Single Unit Truck; 2 Axles, 6 Tires
		    21 = Single Unit Truck; 3 or More Axels
		    22 = Truck Tractor with No Units
		    23 = Truck Tractor with One Unit
		    24 = Truck Tractor with Two Units
		    25 = Truck Tractor with Three Units
		    26 = Other Heavy Truck
		    27 = Cargo Van
			1/1/2012

2.54 Emergency Vehicle Involved <EmergencyVehicleInvolvement>
Description: Indicates type of motor vehicle legally authorized under Section 304.022 RSMo that responded to the crash with or without the use of emergency warning equipment.

Valid Codes: 1 = Police
                    2 = Fire
                    3 = Ambulance
                    4 = Other
                    N = Not applicable
                    Empty tag = Train

Edits:

Edit ID	Agy	Edit	Date added/changed
2.54-01	L P	Must be a valid value.	1/1/2012
2.54-02	L P	*Not Applicable*	1/1/2012
2.54-03	L P	Can be empty only if <VehicleType> is 6 (*Railroad vehicle*)	1/1/2012

2.55 Emergency Vehicle on Run / Stationary with Equipment Activated
    <EmergencyVehicleInvolvementOther>
Description: Indicates the responding emergency vehicle was on an emergency run (moving with emergency equipment activated) or stationary with emergency equipment activated at the time of the crash.

Valid Codes: A = Emergency Vehicle on Run
                    B = Stationary with Emergency Equipment Activated
                    Empty tag = Not Applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
2.55-01	L P	Must be a valid value.	1/1/2012
2.55-02	L P	Must be A or B when <EmergencyVehicleInvolvement> is 4 (*Other*).	1/1/2012
2.55-03	L P	Must be empty when <EmergencyVehicleInvolvement> is N (*Not Applicable*).	1/1/2012

2.56 Traffic Condition <ContributingTrafficConditions>
Description: Traffic conditions at the time of the crash.
Valid Codes: 2 = Crash Ahead
                    3 = Congestion Ahead

4 = Other Incident Ahead
U = Unknown
N = Not Applicable
Empty tag = Train

Edits:

Edit ID	Agy	Edit	Date added/changed
2.56-01	L P	Must be a valid value.	1/1/2012
2.56-02	L P	Can be empty only if <VehicleType> is 6 (*Railroad vehicle*).	1/1/2012

2.57 Contributing Circumstances Code <ProbableContributingCircumstances>

Description: Indicates driver errors, vehicle defects, and miscellaneous circumstances that contributed to the crash.

Valid Codes:

01 = Vehicle Defects
03 = Improperly Stopped On Roadway
04 = Speed - Exceeded Limit
05 = Too Fast For Conditions
06 = Improper Passing
07 = Violation Signal / Sign
08 = Wrong Side (Not Passing)
09 = Following Too Close
10 = Improper Signal
11 = Improper Backing
12 = Improper Turn
13 = Improper Lane Usage / Change
14 = Wrong Side (One-Way)
15 =Improper Start from Park
16 = Improperly Parked
17 = Failed To Yield
18 = Alcohol
19 = Drugs
20 = Physical Impairment
21 = Distracted / Inattentive
22 = None

23 = Vision Obstructed
24 = Driver Fatigue / Asleep
25 = Failed To Dim Headlights
26 = Failed To Use Lights
27 = Improper Towing / Pushing
28 = Overcorrected
29 = Improper Riding / Clinging To Vehicle Exterior
30 = Failed To Secure Load / Improper Loading
31 = Animal(s) In Roadway
32 = Object / Obstruction in Roadway
33 = Other
U = Unknown

Valid Train Specific Codes

41 = Train Defects
42 = Excessive Speed
43 = Improper Riding / Clinging To Train Exterior
45 = Obstruction on Tracks
46 = Failed To Sound Horn
47 = Track Defects
48 = Derailment

Edits:

Edit ID	Agy	Edit	Date added/changed
2.57-01	L P	Must be a valid value.	1/1/2012
2.57-02	L P	*Not applicable*	1/1/2012
2.57-03	L P	*Not applicable*	1/1/2012
2.57-04	L P	<ProbableContributingCircumstances>s U (*unknown*) and 22 (*None*) are mutually exclusive.	1/1/2012
2.57-05	L P	When <DriverPresenceCode> is N (*No Driver*) and the <VehicleType> is not 6 (*Railway vehicle*) , the only <ProbableContributingCircumstances> used can be one or more of the following : 01 = Vehicle Defects 03 = Improperly Stopped On Roadway 15 =Improper Start from Park 16 = Improperly Parked 22 = None 30 = Failed To Secure Load / Improper Loading 33 = Other U = Unknown	1/1/2012 10/16/2013
2.57-06	L P	When <VehicleType> is 6 (*Railway vehicle*), <ProbableContributingCircumstances> can only contain: 07 = Violation Signal / Sign 18 = Alcohol 19 = Drugs	1/1/2012 12/13/2018

		21 = Distracted / Inattentive 22 = None 23 = Vision Obstructed 24 = Operator Fatigue / Asleep 26 = Failed To Use Lights 30 = Failed To Secure Load / Improper Loading 33 = Other 41 = Train Defects 42 = Excessive Speed 43 = Improper Riding / Clinging To Train Exterior 45 = Obstruction On Tracks 46 = Failed To Sound Horn 47 = Track Defects 48 = Derailment U = Unknown	

2.58 Sequence of Events <SequenceOfEvents>

Description: Describes vehicle action(s) just prior to the first un-stabilized event to final rest.

Valid Codes:

01 = Going Straight
02 = Overtaking
03 = Making Right Turn
04 = Right Turn on Red
05 = Making Left Turn
06 = Making U-Turn
07 = Skidding / Sliding
08 = Slowing / Stopping
09 = Start in Traffic
10 = Start From Parked
11 = Backing
12 = Stopped In Traffic
13 = Parked
14 = Changing Lanes
15 = Avoiding
16 = Cross Median
17 = Cross Center Of Road
18 = Cross Road
19 = Airborne
20 = Ran Off Roadway - Right
21 = Ran Off Roadway - Left
*22 = Overturn/Rollover
*23 = Fire / Explosion
*24 = Immersion
*25 = Jackknife
*26 = Cargo Equipment Loss /Shift
27 = Equipment Failure

28 = Separation of Units
29 = Returned To Roadway
*30 = Collision Inv. Pedestrian
*31 = Collision Inv. Bicycle / Pedalcycle
*32 = Collision Inv. Railway Vehicle
*33 = Collision Inv. Animal
*34 = Collision Inv. MV in Transport
*35 = Collision Inv. Parked MV
*36 = Collision Inv. Fixed Object
*37 = Collision Inv. Other Object
*38 = Other Non-Collision
*39 = Collision Inv. Bicycle / Pedalcycle in Bicycle Lane
*40 = Collision Inv. Animal Drawn Vehicle / Animal
          Ridden For Transportation
*41 = Collision Inv. Working MV
42 = Downhill Runaway
*43 = Fell / Jumped From MV
44 = Thrown / Falling Object
*45 = Struck By Falling / Shifting Cargo, Object Set In
Motion by Own MV
46 = Ran Off Roadway - Other
47 = Cross Separator
U = Unknown
Empty tag = Not Applicable

 * **Indicates a harmful event**

Edits:

Edit ID	Agy	Edit	Add/Chgd
2.58-01	L P	Must be a valid value.	1/1/2012

2.58-02	L P	This set of edits looks at crash types and the **first** harmful event for **all** motor vehicles. When the Crash Type is *[Crash Type]* Then the first harmful event for at least one motor vehicle in Sequence of Events must be *[Sequence of Events]*.	1/1/2012

[Crash Type]	*[Sequence of Events]*
1 = Animal	33=Collision involving Animal
02 = Pedalcycle	31 = Collision Inv. Bicycle / Pedalcycle, **or** 39 = Collision Inv. Bicycle / Pedalcycle in Bicycle Lane
03 = Fixed Object	36 = Collision Inv. Fixed Object
04 = Other Object	37 = Collision Inv. Other Object
05 = Pedestrian	30 = Collision Inv. Pedestrian
06 = Railway Vehicle	32 = Collision Inv. Railway Vehicle
07 = MV in Transport	34 = Collision Inv. MV in Transport
09 = Parked Vehicle	35 = Collision Inv. Parked MV
10 = Overturning	22 = Overturn/Rollover
11 = Other Non-Collision	38 = Other Non-Collision
12 = Animal Drawn Veh / Animal Ridden Transportation	40 = Collision Inv. Animal Drawn Vehicle / Animal Ridden For Transportation
13 = Working Motor Vehicle	41 = Collision Inv. Working MV
14 = Fire / Explosion	23 = Fire / Explosion
15 = Immersion	24 = Immersion
16 = Jackknife	25 = Jackknife
17 = Fell / Jumped from MV	43 = Fell / Jumped From MV
18 = Cargo / Equipment Loss/Shift	26 = Cargo Equipment Loss /Shift, **or** 45 = Struck By Falling / Shifting Cargo, Object Set In Motion by Own MV

2.58-03		If this vehicle has a Probable Contributing Circumstances of *[Probable Contributing Circumstance]* then its sequence of events must include at least one of *[Sequence of Events]*.	1/1/2012

[Probable Contributing Circumstance]	*[Sequence of Events]*
03 = Improperly Stopped On Roadway	12 = Stopped In Traffic
06 = Improper Passing	02 = Overtaking
11 = Improper Backing	11 = Backing
12 = Improper Turn	03 = Making Right Turn, **or** 04 = Right Turn on Red, **or** 05 = Making Left Turn, **or** 06 = Making U-Turn
15 = Improper Start from Park	10 = Start From Parked

2.58-04	L P	If Sequence of Events of any vehicle contains *[Sequence of Events]* then at least one vehicle must have a Vehicle Type of *[Vehicle Type]*.	07/01/2018

[Vehicle Type]	*[Sequence of Events]*
1 = Motor vehicle in transport	34 = Collision Inv. MV in Transport
2 = Parked motor vehicle	35 = Collision Inv. Parked MV
3 = Working motor vehicle	41 = Collision Inv. Working MV
4 = Pedalcycle	31 = Collision Inv. Bicycle / Pedalcycle, **or** 39 = Collision Inv. Bicycle / Pedalcycle in Bicycle Lane
5 = Animal drawn vehicle / animal ridden for transport purposes	40 = Collision Inv. Animal Drawn Vehicle / Animal Ridden For Transportation
6 = Railway vehicle	32 = Collision Inv. Railway Vehicle

2.58-05	L P	<SequenceOfEvents> must contain 45 when <Directional Analysis> is 70 (*Falling / Shifting Cargo*).	1/1/2012
2.58-06	L P	The first <SequenceOfEvents> must be 13 when <VehicleType> is 2 (*Parked Motor Vehicle*).	1/1/2012
2.58-07	L P	<SequenceOfEvents> can must contain a 30 (collision inv. pedestrian) only when Pedestrian Involvement NA Indicator is 1 (*One or more pedestrians were involved in crash*).	1/1/2012 12/13/2018

2.58-08	L P	If <SequenceOfEvents> contains 13 then <ProbableContributingCircumstances> #1 - #31 can only be one or more the following:
		    1 = Vehicle Defects
		    16 = Improperly Parked
		    22 = None (Mutually Exclusive)
		    30 = Failed To Secure Load / Improper Loading
		    33= Other
		    U= Unknown (Mutually Exclusive)
			1/1/2012

2.58-09	LP	U (Unknown) is mutually exclusive	07/17/2018
2.58-10	LP	If <SequenceOfEvents> contains a 30 (collision inv. pedestrian), then Pedestrian involvement NA Indicator must be false (there must be a pedestrian involved in the crash).	12/13/2018

2.59 Animal Code <AnimalCodes>

Description: Indicates the type of animal struck by vehicle if crash involved the collision with either live or dead animal.

Valid Codes:
60 = Deer
61 = Farm Animal
62 = Dog
63 = Other Animal
U = Unknown (mutually exclusive)
Empty tag = Not Applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
2.59-01	L P	Must be a valid value.	1/1/2012
2.59-02	L P	Cannot be empty when <SequenceOfEvents> contains 33 (*Animal*).	1/1/2012
2.59-03	L P	Must be a valid value.	1/1/2012
2.59-04	L P	U (*Unknown*) is mutually exclusive.	1/1/2012
2.59-05	L P	Codes cannot be duplicated.	1/1/2012
2.59-06	L P	*Not Applicable*	1/1/2012
2.59-07	L P	Cannot be more than 4 codes.	

2.61 Fixed Object Code <FixedObjectCodes>

Description: Indicates the type of fixed object struck by vehicle if crash involved collision with a fixed object.

Valid Codes:

20 = Tree / Stump
21 = Embankment / Driveway / Ground / Rock Bluff
22 = Guardrail Face
23 = Utility Pole
24 = Fence
25 = Street Light Support
26 = Culvert
27 = Highway Traffic Sign Post / Support
28 = Bridge Pier/ Abutment / Support
29 = Curb
30 = Mail Box
31 = Concrete Traffic Barrier
32 = Building
33 = Traffic Signal Support
34 = Impact Attenuator / Crash Cushion
35 = Fire Hydrant
36 = Other
37 = Bridge Parapet End
38 = Bridge Rail
39 = Guardrail End
40 = Other Traffic Barrier
41 = Overhead Sign Support
42 = Ditch
43 = Other Post / Pole / Support
44 = Wall
45 = Cable Barrier
46 = Bridge Overhead Structure
47 = Overhead Line / Cable
U = Unknown (mutually exclusive)
Empty = Not Applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
2.61-01	L P	Must be a valid value.	1/1/2012
2.61-02	L P	Cannot be empty when <SequenceOfEvents> contains 36 (*Collision involving Fixed Object*).	1/1/2012
2.61-03	L P	The number of Fixed Objects Codes must be equal to or greater than the count of <SequenceOfEvents> codes that equal 36 (*Collision Inv. Fixed Object*).	1/1/2012

2.64 Work Zone <WorkZone>

Description: Indicates whether the crash occurred in a work zone such as a trafficway where construction, maintenance, or utility work activities are identified by warning signs/signals/indicators, including those on transport devices, e.g., signs, flashing lights, channelizing devices, barriers, pavement markings, flagmen, warning signs and arrow boards mounted on vehicles in a mobile maintenance activity, that mark the beginning and end of a construction, maintenance, or utility work activity.

Valid Codes:
Y = Yes
N = No
U = Unknown
Empty tag = Train

Edits:

Edit ID	Agy	Edit	Date added/changed
2.64-01	L P	Must be a valid value.	1/1/2012
2.64-02	L P	Can be empty only if <VehicleType> is 6 (*Railroad vehicle*).	1/1/2012

2.65 Workers Present Indicator <WorkersPresent>

Description: Indicates whether workers were present in the work zone.

Valid Codes: Y = Yes
N = No
U = Unknown
Empty tag = Not Applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
2.65-01	L P	Must be a valid value.	1/1/2012
2.65-02	L P	Must be empty when <WorkZone> is N (*No*).	1/1/2012
2.65-03	L P	Cannot be empty when <WorkZone> is Y (*Yes*).	1/1/2012

2.66 Traffic Control Electric <TrafficControl>

Description: Indicates if electrically powered devices that warn or direct vehicular traffic to take some specific action are present at the crash location.

Valid Codes: 12 = Neither Electric nor Other Traffic Control are present
U = Unknown Electric or Other Traffic Control was present
Empty tag = Not an electronic control but has an Other Traffic Control present
13 = Electric Signal - Green/Yellow/Red
14 = Electric Signal - Flashing Red
15 = Electric Signal - Flashing Yellow
16 = Electric Signal - Ramp Meter
17 = Electric Signal - Other

Edits:

Edit ID	Agy	Edit	Date added/changed
2.66-01	L P	Must be a valid value.	1/1/2012
2.66-02	L P	Cannot be 12 when <ProbableContributingCircumstances> contains 07 (*Violation signal/sign*).	1/1/2012
		If <OtherControls> is empty, <TrafficControl> cannot be empty	

2.67 Other Traffic Control <OtherControls>

Description: Indicates if any non-electrically powered devices that warn or direct vehicular traffic to take some specific action are present at the crash location.

Valid Codes:

Empty tag = Not a Other Traffic Control but has an Traffic Control Electric present
03 = School Zone
04 = Stop Sign
06 = Railway Crossing Sign/Device
07 = Yield Sign
08 = Officer/Flagman

09 = No Passing Zone
10 = Turn Restricted
11 = Signal on School Bus
18 = Warning Sign / Device
19 = Other

Edits:

Edit ID	Agy	Edit	Date added/changed
2.67-01	L P	Must be a valid value.	1/1/2012
2.67-02	L P	If <TrafficControl> is 12 (*Neither Electric nor Other Traffic Control are present*) or U (U*nknown Electric or Other Traffic Control was present*) then <OtherControls> must be empty.	1/1/2012
		If <TrafficControl> is empty, <OtherControls> cannot be empty	

2.68 Control Malfunctioning Indicator <ControlMalfunctioning>

Description: Indicates if one or more of the electric or other traffic control devices was malfunctioning, inoperative, or missing at the time of the crash even if the malfunctioning, inoperative, or missing control was not a contributor to the crash.

Valid Codes: Y = Yes
N = No
U = Unknown
A = Not applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
2.68-01	L P	Must be a valid value.	1/1/2012
2.68-02	L P	Must be U when <TrafficControl> contains U (*Unknown Electric or Other Traffic Control was present*).	1/1/2012
2.68-03	L P	Must be Y or A when <TrafficControl> is 12 (*Neither Electric nor Other Traffic Control are present*).	1/1/2012
2.68-04	L P	Cannot be A when <TrafficControl> is not 12 (*Neither Electric nor Other Traffic Control are present*).	1/1/2012

2.69 CMV NA Indicator <CMVNa>

Description: Indicates a vehicle does not meet the criteria to be a commercial motor vehicle when CMV1 and CMV2 are both *true* (*Yes*).

Valid Codes: True = Yes, a vehicle does not meet the criteria for a commercial motor vehicle and the CMV section is not completed on this vehicle.
False = No, a vehicle meets the criteria for a commercial motor vehicle and the CMV section must be completed for this vehicle.

Edits:

Edit ID	Agy	Edit	Date added/changed
2.69-01	L P	Must be a valid value.	1/1/2012
2.68-02	L P	Must be *false* on every vehicle record in the crash where the vehicle meets the criteria for a commercial motor vehicle when CMV Involvement Criteria 2 is *true* (*Yes, crash meets second criteria of commercial vehicle involvement*).	1/1/2012
2.69-03	L P	Must be *true* when CMV Involvement Criteria 2 is *false* (*No, crash doesn't meet first criteria of commercial vehicle involvement*).	1/1/2012

2.71 CMV Motor Carrier Last Name <Cmv: LastName>

Description: Last name of motor carrier.

Edits:

Edit ID	Agy	Edit	Date added/changed
2.71-01	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012
2.71-02	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012

2.75 CMV Motor Carrier Address Same as Owner <Cmv: AddessSameAsOwner>

Description: Indicates the motor carrier address is the same as the vehicle owner address.

Valid Codes: True = Yes
False = No

Edits:

Edit ID	Agy	Edit	Date added/changed
2.75-01	L P	Must be a valid value.	1/1/2012

| 2.75-02 | L P | Must be *false* when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*). | 1/1/2012 |

2.76 CMV Address Line 1 <Cmv: Address: Address1>

Description: The first street address of the motor carrier.

Edits:

Edit ID	Agy	Edit	Date added/changed
2.76-02	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012

2.77 CMV Address Line 2 <Cmv: Address: Address2>

Description: The second street address of the motor carrier.

Edits:

Edit ID	Agy	Edit	Date added/changed
2.77-01	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012
2.77-02	L P	Must be empty when <Cmv: Address: Address1> is empty.	1/1/2012
2.77-03	L P	Cannot be the same as <Cmv: Address: Address1>.	1/1/2012

2.78 CMV Address City <Cmv: Address: City>

Description: City of the address of the motor carrier.

Edits:

Edit ID	Agy	Edit	Date added/changed
2.78-01	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012
2.78-02	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012

2.79 CMV Address State <Cmv: Address: State>

Description: The state of the address of the motor carrier.

Valid Codes: Appendix: State/Providence Codes

Edits:

Edit ID	Agy	Edit	Date added/changed
2.79-01	L P	Must be a valid value.	1/1/2012
2.79-02	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012
2.79-03	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012

2.80 CMV Address Zip <Cmv: Address: ZipCode>

Description: The zip for the address of the motor carrier.

Edits:

Edit ID	Agy	Edit	Date added/changed
2.80-01	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012
2.80-02	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012

2.81 CMV Motor Carrier Telephone Same as Owner <Cmv: PhoneSameAsOwner>

Description: Indicates the motor carrier telephone number is the same as the vehicle owner telephone number.

Valid Codes: True = Yes

               False = No

Edits:

Edit ID	Agy	Edit	Date added/changed
2.81-01	L P	Must be a valid value.	1/1/2012
2.81-02	L P	Must be *false* when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012

2.82 CMV Motor Carrier Telephone <Cmv: Address: PhoneNumber>

Description: Telephone number of the motor carrier.
Valid Codes: Unknown = Not known
        NONE = no phone
        Valid formatted phone number
Format: ##########
Edits:

Edit ID	Agy	Edit	Date added/changed
2.82-01	L P	Must be a valid value.	1/1/2012
2.82-02	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012

2.83 Commercial Status <CarrierInterstate>

Description: Indicates the commercial status of the commercial motor vehicle at time of the crash.
Valid Codes:
        0 = Intrastate Carrier
        1 = Interstate Carrier
        2 = Not in commerce - other vehicle
        3 = Not in commerce - government vehicle
        4 = Not in commerce - rental vehicle
        Empty tag = Not applicable
Edits:

Edit ID	Agy	Edit	Date added/changed
2.83-01	L P	Must be a valid value.	1/1/2012
2.83-02	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012
2.83-03	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012

2.84 Carrier ICC Number <IccNumber>

Description: Motor carrier's MC / MX number (formerly known as the ICC number) that is assigned to each carrier by the Federal Motor Carrier Safety Administration for motor carrier identification.
Edits:

Edit ID	Agy	Edit	Date added/changed
2.84-01	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012
2.84-02	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012
2.84-03	L P	Cannot be greater than 6 characters long.	1/1/2012

2.85 Carrier DOT ID Number <UsDotNumber>

Description: Motor carrier's USDOT number assigned to interstate and intrastate carriers by the Federal Motor Carrier Safety Administration for motor carrier identification.
Edits:

Edit ID	Agy	Edit	Date added/changed
2.85-01	L P	Cannot be greater than 8 characters long.	1/1/2012

2.85-02	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012
2.85-03	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012
2.85-04	L P	Cannot be empty or NA when <CarrierInterstate> is 1 (*Interstate Carrier*).	1/1/2012

2.86 CMV Cargo Body Type <CargoBodyType>

Description: Cargo body type of the motor carrier.

Valid Codes:

1 = Enclosed Box	9 = Pole Trailer
2 = Cargo Tank	10 = Other
3 = Flatbed	13 = Log
4 = Dump	14 = Vehicle Towing another Vehicle
5 = Concrete Mixer	15 = Intermodal Container Chassis
6 = Auto Transport	16 = NA (No Cargo Body)
7 = Garbage / Refuse	U = Unknown
8 = Grain/Chip/Gravel	Empty tag = Not Applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
2.86-01	L P	Must be a valid value.	1/1/2012
2.86-02	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012
2.86-03	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012

2.87 Placard Displayed <HazmatPlacardDisplayed>

Description: Indicates whether the motor carrier displayed a hazardous materials placard.

Valid Codes: Y = Yes
N = No
U = Unknown
Empty tag = Not a commercial motor vehicle

Edits:

Edit ID	Agy	Edit	Date added/changed
2.87-01	L P	Must be a valid value.	1/1/2012
2.87-02	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012
2.87-03	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012

2.88 Hazmat Placard Diamond Number <Hazmat4DigitNumber>

Description: Four-digit hazardous materials number found in the middle of the hazardous materials placard.

Valid Codes: 4 digit number
NA = no placard displayed
UNK = unknown
Empty tag = Not a commercial motor vehicle

Format: ####

Edits:

Edit ID	Agy	Edit	Date added/changed
2.88-01	L P	Must be a valid value.	1/1/2012
2.88-02	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012
2.88-03	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012
2.88-04	L P	Must be NA when <HazmatPlacardDisplayed> is N (*No*) or U (*Unknown*).	1/1/2012

| 2.88-05 | L P | Must be UNK when <HazmatPlacardDisplayed>is U (*Unknown*). | 1/1/2012 |

2.89 Hazmat Class <HazmatClass>

Description: The class of hazardous materials.
Valid Codes: Valid formatted number
NA = Not Applicable
UNK = Unknown
Empty tag = Not a commercial motor vehicle

Format: # or **#.#**

Edits:

Edit ID	Agy	Edit	Date added/changed
2.89-01	L P	Must be a valid value.	1/1/2012
2.89-02	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012
2.89-03	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012
2.89-04	L P	Must be NA when <HazmatPlacardDisplayed>is N (*No*).	1/1/2012
2.89-05	L P	Must be UNK when <HazmatPlacardDisplayed>is U (*Unknown*).	1/1/2012

2.90 CMV Hazmat Cargo Present <HazmatCargoPresent>

Description: Indicates whether a commercial motor vehicle's cargo contained hazardous materials.
Valid Codes: Y = Yes, cargo contained hazardous material
N = No, cargo did not contain hazardous material
U = Unknown
Empty tag = Not a commercial motor vehicle

Edits:

Edit ID	Agy	Edit	Date added/changed
2.90-01	L P	Must be a valid value.	1/1/2012
2.90-02	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012
2.90-03	L P	Cannot be empty when <HazmatPlacardDisplayed>is Y (*Yes*).	1/1/2012
2.90-04	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012

2.91 Hazardous Materials Released <HazmatCargoRelease>

Description: Indicates if hazardous materials were released as a result of crash.
Valid Codes: Y = Yes, hazardous materials were released
N = No, hazardous materials were not released
U = Unknown
Empty tag = Not a commercial motor vehicle

Edits:

Edit ID	Agy	Edit	Date added/changed
2.91-01	L P	Must be a valid value.	1/1/2012
2.91-02	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012
2.91-03	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012
2.91-04	L P	Cannot be empty when <HazmatPlacardDisplayed>is Y (*Yes*).	1/1/2012
2.91-05	L P	Cannot be empty when <HazmatCargoPresent>is Y (*Yes, cargo contained hazardous material*).	1/1/2012
2.91-06	L P	Can be Y only when <HazmatCargoPresent>is Y (*Yes, cargo contained hazardous material*).	1/1/2012

2.92 CMV Hazmat Name <HazmatName>

Description: The name of the hazardous material.

Valid Codes: Hazmat's name
                  NA = No Hazmat Cargo Present
                  UNK = Unknown
                  Empty tag = Not a commercial motor vehicle

Edits:

Edit ID	Agy	Edit	Date added/changed
2.92-01	L P	Cannot be empty when <CMVNa> is *false* (*No, a commercial motor vehicle was involved*).	1/1/2012
2.92-02	L P	Must be empty when <CMVNa> is *true* (*Yes, a commercial motor vehicle was not involved*).	1/1/2012
2.92-03	L P	Cannot be NA when <HazmatCargoPresent>is Y (*Yes, cargo contained hazardous material*).	1/1/2012
2.92-04	L P	Must be NA when <HazmatCargoPresent>is N (*No, cargo did not contain hazardous material*).	1/1/2012

8.0 PERSON

3.01 Vehicle Number <VehicleNumber>
Description: A unique sequential number assigned to each vehicle involved in a crash. On the Person record, the Vehicle Number serves as part of a unique key.
Valid Codes: 1 - 999
Edits:

Edit ID	Agy	Edit	Date added/changed
3.01-01	L P	Must be a valid value.	1/1/2012

3.03 Person Sequence Number <PersonNumber>
Description: Identifies the sequential unique number assigned to each person involved in the crash.
Valid Codes: 1 - 999
Edits:

Edit ID	Agy	Edit	Date added/changed
3.03-01	L P	Must be a valid value.	1/1/2012

3.04 Last Name <LastName>
Description: The last name of the driver, other occupant, or pedestrian involved in the crash.
Edits:

Edit ID	Agy	Edit	Date added/changed
3.04-01	L P	Cannot be empty.	1/1/2012
3.04-02	LP	Must be 'NO DRIVER' when <Operator> has a <DriverPresenceCode> of N (*No Driver*).	10/1/2014
3.04-03	LP	Must be 'UNIDENTIFIED' when <Operator> has a <DriverPresenceCode> of 2 (*Present but not identified*)	10/1/2014
3.04-04	LP	Must be 'UNKNOWN DRIVER' when <Operator> has a <DriverPresenceCode> of U (*Unknown Driver*)	10/1/2014

3.05 First Name <FirstName>
Description: The first name of the driver, other occupant, or pedestrian involved in the crash.
Edits:

Edit ID	Agy	Edit	Date added/changed
3.05-01	LP	Must be empty when <Operator> has a <DriverPresenceCode> of: 2= Present but not identified N = No Driver U = Unknown Driver	10/1/2014

3.06 Middle Name <MiddleInitial>
Description: The middle name of the driver, other occupant, or pedestrian involved in the crash.
Edits:

Edit ID	Agy	Edit	Date added/changed
3.06-01	LP	Must be empty when <Operator> has a <DriverPresenceCode> of: 2= Present but not identified N = No Driver U = Unknown Driver	10/1/2014

3.07 Generation Suffix <Suffix>
Description: The generation suffix of the driver, other occupant, or pedestrian involved in the crash.
Valid Codes:

Preferred:
I, II, III, VI, V, VI
1st, 2nd, 3rd, 4th, 5th, 6th

Jr, Sr
Allowed:
1, 2, 3, 4, 5, 6
1ST, 2ND, 3RD, 4TH, 5TH, 6TH
 JR (lower case versions also are valid)
SR (lower case versions also are valid)
Empty tag = no generation suffix

Edits:

Edit ID	Agy	Edit	Date added/changed
3.07-01	L P	Must be a valid value.	1/1/2012
3.07-02	LP	Must be empty when <Operator> has a <DriverPresenceCode> of: 2= Present but not identified N = No Driver U = Unknown Driver	10/1/2014

3.08 Address Line 1 <Address: Address1>
Description: First street address of the driver, other occupant, or pedestrian involved in the crash.

3.09 Address Line 2 <Address: Address2>
Description: Second street address of the driver, other occupant, or pedestrian involved in the crash.

3.10 Address City <Address: City>
Description: City of the address of the driver, other occupant, or pedestrian involved in the crash.
Valid Codes: City name
Unknown
Empty tag

Edits:

Edit ID	Agy	Edit	Date added/changed
3.10-01	L P	Must be a valid value.	1/1/2012
3.10-02	L P	Cannot be empty unless Involvement is: <Operator> or <Engineer> And <DriverPresenceCode> is: 2= Present but not identified N = No Driver U = Unknown Driver	1/1/2012

3.11 Address State <Address: State>
Description: State of the address of the driver, other occupant, or pedestrian involved in the crash.
Valid Codes: Appendix: State/Providence Codes
Unknown = State is unknown
Empty tag = Not Required

Edits:

Edit ID	Agy	Edit	Date added/changed
3.11-01	L P	Must be a valid value.	1/1/2012
3.11-02	L P	Cannot be empty unless Involvement is: <Operator> or <Engineer> And <DriverPresenceCode> is: 2= Present but not identified N = No Driver U = Unknown Driver	1/1/2012

3.12 Address Zip <Address: ZipCode>
Description: Zip for the address of the owner, driver, other occupant, or pedestrian involved in the crash.
Valid Codes: Zip Code
Unknown = Unknown Zip Code
Empty tag = Not Required

Edits:

Edit ID	Agy	Edit	Date added/changed
3.12-01	L P	Must be a valid value.	1/1/2012
3.12-02	L P	Must be and can only be empty when <Engineer>, or <Operator> and <Operator> has a <DriverPresenceCode> of: 2= Present but not identified N = No Driver U = Unknown Driver	9/23/2015
3.12-03		Removed	2/16/2016

3.13 Date of Birth <DateOfBirth>

Description: Birth date of the driver, other occupant, or pedestrian involved in the crash.

Valid Codes: Valid Date

Empty tag = Unknown or not required

Format: YYYYMMDD

Edits:

Edit ID	Agy	Edit	Date added/changed
3.13-01	L P	Must be a valid value.	1/1/2012
3.13-02	L P	Can be empty only when: <Operator> has a <DriverPresenceCode> of: 2= Unidentified Driver N = No Driver U = Unknown Driver	1/1/2012
3.13-03	L P	When <VehicleBusType> is 1(*School bus*) and <DriverPresenceCode> is 1(*Driver present and/or identified*) and <DateOfBirth> is not empty (*Unknown*), <AccidentDate> - <DateOfBirth> must be at least 21 years. A Driver of a School Bus in Missouri is required to be at least 21 years of age.	10/1/2014

3.14 Gender <Sex>

Description: Gender of the driver, other occupant, or pedestrian involved in the crash.

Valid Codes: F = Female

M = Male

U = Unknown

N = Not Applicable

Empty tag = Not Required

Edits:

Edit ID	Agy	Edit	Date added/changed
3.14-01	L P	Must be a valid value.	1/1/2012
3.14-02	L P	Can be empty only when <LongForm> is S	1/1/2012
3.14-03	L P	Must be and can only be N (Not Applicable) when <Operator> has a <DriverPresenceCode> of N (No Driver) or 2 (Present but not identified)	06/21/2018
3.14-04	L P	Gender Cannot be U (Unknown) if <DriverLicenseNumber> is entered.	06/21/2018

3.15 Seat Location <SeatLocation>

Description: Location in/on a vehicle of the driver, or other occupant involved in the crash.

Note: There is not a code listed for a pedestrian.

Valid Codes:

XX = Unknown
B = Bicycle / pedalcycle
M = Motorcycle
CP = Commercial passenger
OE = Occupant - enclosed load area
OU = Occupant - Unenclosed load area
SV = Other
RC = Rail crew
FL = Front left
FC = Front center

FR = Front right
SL = Second left
SC = Second center
SR = Second right
TL = Third left
TC = Third center
TR = Third right
NA = Not Applicable
Empty tag = Not Required

Edits:

Edit ID	Agy	Edit	Date added/changed
3.15-01	L P	Must be a valid value.	1/1/2012
3.15-02	L P	Must be B when <BodyType> is 13 (*Pedalcycle*).	1/1/2012
3.15-03	L P	Can be CP only when <LongForm> is L.	1/1/2012
3.15-04	L P	Must be M when <BodyType> is 10 (*Motorcycle*) and <Operator> has a <DriverPresenceCode> of 1(*Driver present and/or identified*).	1/1/2012
3.15-05	L P	Must be SV or XX when <BodyType> is 10 (Motorcycle), 12 (Motorized Bicycle) or 13 (Pedalcycle) and is <Occupant>.	06/21/2018
3.15-06	L P	*Not Applicable*	1/1/2012
3.15-07	L P	Can be empty when <LongForm> is S	1/1/2012
3.15-08	L P	Must be XX when <Operator> has a <DriverPresenceCode> of 2 (*Unidentified Driver*).	10/1/2014
3.15-09	L P	Must be and can only be NA when <Operator> has a <DriverPresenceCode> of N (*No Driver*).	10/1/2014

3.16 Person Injury Level <InjuryLevel>

Description: Indicates the severity of injuries sustained by drivers, occupants, or pedestrians involved in the crash.

Valid Codes:
  1 = Fatal
  2 = Suspected Serious Injury
  3 = Evident - Not disabling
  4 - Probable - Not apparent
  5 = None apparent
  U = Unknown
  N = Not applicable
  Empty tag = Not Required
  *On 01/01/2019 the description of personal injury level for code 2 was changed from Disabling to Suspected Serious Injury.

Edits:

Edit ID	Agy	Edit	Date added/changed
3.16-01	L P	Must be a valid value.	1/1/2012
3.16-02	L P	Cannot be 1 - 4 when <PropertyDamageOnly> is *true* (*Yes, crash involved only property damage and there were no injuries or fatalities*).	1/1/2012
3.16-03	L P	Must be blank when: <Vehicle Owner> <Train Owner> <Property Owner> <Witness> <Train Track Owner> And must be blank or NA when: <Operator> has a <DriverPresenceCode> of: 2= Unidentified Driver N=No Driver	1/1/2012 8/6/2018
3.16-04	L P	Can be empty when <LongForm> is S	1/1/2012

3.16-05	L P	Cannot be:
		    1 = Fatal
		    2 = Suspected Serious Injury
		When <Operator> has a <DriverPresenceCode> of U (Unknown Driver)
			11/6/13

3.16-06	L P	Removed	06/21/2018
3.16-07	L P	Must be N when <DriverPresenceCode> is N (*No Driver*).	10/1/2014

3.17 Transported <Transport>

Description: Indicates if and how a driver, occupant, or pedestrian was transported due to injuries sustained in a crash.

Valid Codes:
  1 = No
  2 = EMS
  3 = Other

U = Unknown
N = Not Applicable
Empty tag = Not Required

Edits:

Edit ID	Agy	Edit	Date added/changed
3.17-01	L P	Must be a valid value.	1/1/2012
3.17-02	L P	Can be 2 or 3 only when <InjuryLevel> is: 1 = Fatal 2 = <mark>Suspected Serious Injury</mark> 3 = Evident - Not disabling 4 - Probable - Not apparent	1/1/2012
3.17-03	L P	Must be and can only be N when <InjuryLevel> is N.	06/21/2018
3.17-04	L P	Can be empty only when <Operator> has a <DriverPresenceCode> of: 2= Unidentified Driver Or <LongForm> is S	10/1/2014
3.17-05	LP	Must be and can only be 1 when <InjuryLevel> is 5 (None Apparent).	12/13/2018

3.18 Ejection <Ejection>

Description: Indicates if a driver or occupant was ejected from a vehicle involved in a crash.

Valid Codes:
  1 = Not Applicable
  2 = No
  3 = Partially
  4 = Totally
  U = Unknown
  Empty tag = Not Applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
3.18-01	L P	Must be a valid value.	1/1/2012
3.18-02	L P	Must be and can only be 1 when <Operator> and <DriverPresenceCode> equals N (No driver).	06/21/2018
3.18-03	L P	Can be empty only when <Operator> has a <DriverPresenceCode> of: 2= Unidentified Driver Or <LongForm> is S	10/1/2014

3.19 Airbag <AirBag>

Description: Indicates if air bags were present for the driver or occupant and whether any airbags were deployed.

Valid Codes:

1 = None / Not applicable
3 = Not Deployed
4 = Removed
5 = Deployed - Front
6 = Deployed - Side
7 = Deployed - Curtain

8 = Deployed - Other (Knee, Air Belt, etc.)
9 = Deployed - Combination
10 = Deployment Unknown
U = Air Bag Presence Unknown
Empty tag = Not Required

Edits:

Edit ID	Agy	Edit	Date added/changed
3.19-01	L P	Must be a valid value.	1/1/2012
3.19-02	L P	Can be empty only when <Operator> has a <DriverPresenceCode> of: 2= Unidentified Driver Or <LongForm> is S and is not <Operator>	10/1/2014
3.19-03	L P	Must be 1 when <VehicleType> is: 4 = Pedalcycle 5 = Animal drawn vehicle / animal ridden for transport purposes	1/1/2012

3.19-04	L P	Must be 1(*None / Not applicable*) when <Operator> has a <DriverPresenceCode> of N (*No Driver*).	10/1/2014

3.20 Safety Device #1 <SafetyDevice1>

Description: Indicates the type of safety device used by a driver or occupant in a vehicle involved in a crash.

Valid Codes:

1 = None	11 = Child restraint - Front facing
2 = Not used	12 = Child restraint - Rear facing
3 = Shoulder belt only	13 = Other helmet
4 = Lap belt only	14 = Reflective clothing
5 = Shoulder and lap belt	15= Other
7 = DOT compliant motorcycle helmet	U = Use unknown
8 = No helmet	N = Not applicable
10 = Booster seat	Empty tag = Not Required

Edits:

Edit ID	Agy	Edit	Date added/changed
3.20-01	L P	Must be a valid value.	1/1/2012
3.20-02	L P	3, 4, and 5 are mutually exclusive to each other between <SafetyDevice1> and <SafetyDevice2>.	1/1/2012
3.20-03	L P	7, 8, and 13 are mutually exclusive to each between <SafetyDevice1> and <SafetyDevice2>.	1/1/2012
3.20-04	L P	10, 11, and 12 are mutually exclusive to each other between <SafetyDevice1> and <SafetyDevice2>.	1/1/2012
3.20-05	L P	Can only be: 1 = None 2 = Not used 3 = Shoulder belt only 4 = Lap belt only 5 = Shoulder and lap belt 7 = DOT compliant motorcycle helmet 8 = No helmet 10 = Booster seat 11 = Child restraint - Front facing 12 = Child restraint - Rear facing 13 = Other helmet 14 = Reflective clothing 15= Other U = Use unknown when: <Operator> and <DriverPresenceCode> is 1(*Driver present and/or identified*) or U (*Unknown Driver*) <Occupant> <Train: Engineer> <Train: Conductor>	2/16/2016
3.20-06	L P	Can only be: 2 = Not used 7 = DOT compliant motorcycle helmet 8 = No helmet 13 = Other helmet 14 = Reflective clothing 15= Other U = Use unknown when <Pedestrian>.	1/1/2012
3.20-07	L P	Can only be: 7 = DOT compliant motorcycle helmet 8 = No helmet 13 = Other helmet 14 = Reflective clothing 15= Other U = Use unknown	1/1/2012

		if <BodyType> is 10 (*Motorcycle*)	
3.20-08	L P	Must be and can only be N (Not applicable) if <Operator> and <DriverPresenceCode> equals N (No driver).	06/21/2018
3.20-09	L P	Can be empty only when <Operator> has a <DriverPresenceCode> of: 2 (*Unidentified Driver*) Or <LongForm> is S and is not <Operator>.	10/1/2014
3.20-10	L P	Must be N when <Operator> has a <DriverPresenceCode> of N (No Driver).	10/1/2014

3.21 Safety Device #2 <SafetyDevice2>

Description: Indicates a second safety device type used by a driver or occupant in a vehicle involved in a crash.

Valid Codes: 3 = Shoulder belt only
                    4 = Lap belt only
                    5 = Shoulder and lap belt
                    7 = DOT compliant motorcycle helmet
                    8 = No helmet
                    13 = Other helmet
                    14 = Reflective clothing
                    15= Other
                    Empty tag = Not applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
3.21-01	L P	Must be a valid value.	1/1/2012
3.21-02	L P	Cannot equal <SafetyDevice1>	1/1/2012

3.21-03	L P	<SafetyDevice2> can only be:
		    3 = Shoulder belt only
		    4 = Lap belt only
		    5 = Shoulder and lap belt
		    7 = DOT compliant motorcycle helmet
		    8 = No helmet
		    13 = Other helmet
		    14 = Reflective clothing
		    15= Other
		    Empty tag = Not applicable
		when:
		    <Operator>
		    <Occupant>
		    <Train: Engineer>
		    <Train: Conductor>
		    <Train: Crew>
			10/1/2014

3.21-04	L P	<SafetyDevice2> must be empty if <SafetyDevice1> equals:
		    1 = None
		    2 = Not used
		    U = Use unknown
		    N = Not applicable
		    15= Other
		    Empty tag = Not applicable
			1/1/2012

3.21-05	L P	<SafetyDevice2> can only be:
		    7 = DOT compliant motorcycle helmet
		    13 = Other helmet
		    14 = Reflective clothing
		    15= Other
		    Empty tag = Not applicable
		if <SafetyDevice1> is:
		    3 = Shoulder belt only
		    4 = Lap belt only
		    5 = Shoulder and lap belt
			1/1/2012
			8/8/2018

3.21-06	L P	<SafetyDevice2> must be:
		    14 = Reflective clothing
		    15= Other
		    Empty tag = Not applicable
		if <SafetyDevice1> equals:
		    7 = DOT compliant motorcycle helmet
		    8 = No helmet
		    13 = Other helmet
		And <BodyType> is motorcycle
			1/1/2012

3.21-07	L P	Can only be:
		    7 = DOT compliant motorcycle helmet
		    8 = No helmet
		    13 = Other helmet
		    14 = Reflective clothing
		    15= Other
		if <BodyType> is 10 (*Motorcycle*)
			1/1/2012

3.21-08	L P	<SafetyDevice2> must be:
		    15= Other
		    Empty tag = Not applicable
		if <SafetyDevice1> equals:
		    10 = Booster seat
		    11 = Child restraint - Front facing
		    12 = Child restraint - Rear facing
			1/1/2012

3.21-09	L P	<SafetyDevice2> must be:
		    7 = DOT compliant motorcycle helmet
		    8 = No helmet
		    13 = Other helmet
		    15= Other
		    Empty tag = Not applicable
		if <SafetyDevice1> equals:
		    14 = Reflective clothing
			1/1/2012

3.21-10	L P	<SafetyDevice2> can only be:
		    2 = Not used
		    7 = DOT compliant motorcycle helmet
		    8 = No helmet
		    13 = Other helmet
		    14 = Reflective clothing
		    15= Other
		when < Pedestrian >.
			1/1/2012

3.22 Telephone Number <PhoneNumber>

Description: Telephone number of a driver, occupant, or pedestrian involved in a crash.
Database Format: ##########

3.25 Pedestrian Type <PedestrianType>

Description: Indicates the type of pedestrian involved in a crash.
Valid Codes:
    1 = Law enforcement officer
    2 = Other emergency services personnel
    3 = MoDOT worker
    4 = Other trafficway worker
    5 = Other pedestrian

Edits:

Edit ID	Agy	Edit	Date added/changed
3.25-01	L P	Must be a valid value.	1/1/2012
3.25-02	L P	*Not Applicable*	1/1/2012
3.25-03	L P	Removed	1/1/2012
3.25-04	L P	*Not Applicable*	1/1/2012
3.25-05	L P	*Not Applicable*	1/1/2012

3.27 Pedestrian Struck by Vehicle Number <StruckByVehicle>

Description: Vehicle number of the vehicle that struck the pedestrian.

Valid Codes: 1 – 999

Edits:

Edit ID	Agy	Edit	Date added/changed
3.27-01	L P	Must be a valid value.	1/1/2012
3.27-02	L P	*Not Applicable*	1/1/2012
3.27-03	L P	*Not Applicable*	1/1/2012
3.27-04	L P	Value cannot be greater than the number of vehicles involved in crash.	1/1/2012
3.27-05	L P	The vehicle number entered in this field must contain <SequenceOfEvents> code 30 (*Collision with Pedestrian*).	1/1/2012

3.28 Pedestrian Location <Location>

Description: Indicates the location of a pedestrian with respect to the roadway at the time he or she was struck.

Valid Codes: 3 = On Roadway
4 = On Sidewalk
5 = In Driveway Access
6 = Off Roadway
7 = On Median / Crossing Island
U = Unknown

Edits:

Edit ID	Agy	Edit	Date added/changed
3.28-01	L P	Must be a valid value.	1/1/2012
3.28-02	L P	*Not Applicable*	1/1/2012
3.28-03	L P	Must be 3 when <CrashType> is 05 (*Pedestrian*) and On Off Roadway is 1 (*On roadway*).	1/1/2012

3.29 Pedestrian Contributing Circumstances <ContributingCircumstances>

Description: Indicates pedestrian errors, impairments, and miscellaneous circumstances that contributed to the crash.

Valid Codes:

17 = Failed To Yield   23 = Vision Obstructed
18 = Alcohol   33 = Other
19 = Drugs   U = Unknown
20 = Physical Impairment
21 = Distracted / Inattentive
22 = None

Edits:

Edit ID	Agy	Edit	Date added/changed
3.29-01	L P	Must be a valid value.	1/1/2012
3.29-02	L P	Values cannot be repeated.	1/1/2012
3.29-03	L P	22 and U are mutually exclusive of all other codes.	1/1/2012
3.29-04	L P	*Not Applicable*	1/1/2012

3.30 Inattention Code <DistractedCodes>

Description: Indicates how an operator or pedestrian was distracted or inattentive and it contributed to the crash.

Valid Codes:

01 = External Distraction   09 = Eating / Drinking
03 = Stereo / Audio / Video Equipment   10 = Reading
04 = Navigation Device   11 = Tobacco Use
05 = Communication Device - Hand Held   12 = Grooming
06 = Communication Device - Hands Free   13 = Computer Equipment / Electronic Games / etc.
07 = Communication Device - Texting / E-mailing 14 = Adjusting Vehicle Controls

08 = Communication Device - Web Browsing   15 = Other
Empty tag = Operator or Pedestrian was not Inattentive

Edits:

Edit ID	Agy	Edit	Date added/changed
3.30-01	L P	Must be a valid value.	1/1/2012
3.30-02	L P	*Not applicable*	1/1/2012
3.30-03	L P	<DistractedCodes>cannot be empty when <ProbableContributingCircumstances> contains 21 (*Distracted / Inattentive*).	1/1/2012
3.30-04	L P	Values cannot be repeated.	1/1/2012

3.31 Pedestrian Crossing Road at Signal <CrossingRoad>

Description: Indicates signal information in regard to a pedestrian involved in a crash.

Valid Codes:
    3 = With signal
    4 = Against signal
    5 = No signal
    U = Unknown
    N = Not Applicable/None

Edits:

Edit ID	Agy	Edit	Date added/changed
3.31-01	L P	Must be a valid value.	1/1/2012
3.31-02	L P	Must be N if <Location>is not 3 (*On Roadway*).	1/1/2012
3.31-03	L P	*Not Applicable*	1/1/2012
3.31-04	L P	*Not Applicable*	1/1/2012

3.32 Pedestrian Crossing Road in Crosswalk <CrossingRoad2>

Description: Indicates crosswalk information in regard to a pedestrian involved in a crash.

Valid Codes:
    7 = In unmarked crosswalk
    8 = In marked crosswalk
    19 = Not at crosswalk
    U = Unknown
    N = Not Applicable/None

Edits:

Edit ID	Agy	Edit	Date added/changed
3.32-01	L P	Must be a valid value.	1/1/2012
3.32-02	L P	Must be N if <Location>is not 3 (*On Roadway*).	1/1/2012
3.32-03	L P	Must be N if <CrossingRoad>is N (*Not Applicable*).	1/1/2012
3.32-04	L P	Must be: 7 = In unmarked crosswalk 8 = In marked crosswalk 19 = Not at crosswalk U = Unknown when <CrossingRoad>is one of the following: 3 = With signal 4 = Against signal 5 = No signal U = Unknown	1/1/2012

3.33 Pedestrian Action Code <OtherActions>

Description: Indicates the activity a pedestrian was involved with at the time they were struck.

Valid Codes:

09 = Behind / In Front of Parked Vehicle   11 = Against Traffic
10 = With Traffic   12 = Getting On/Off Vehicle
        13 = Standing/Lying/Sitting on Road

14 = Pushing/Working on Vehicle   18 = Other
15 = Working In Trafficway   U = Unknown
16 = Playing In Trafficway   N = NA / None
17 = Walking/Running in Trafficway

Edits:

Edit ID	Agy	Edit	Date added/changed
3.33-01	L P	Must be a valid value.	1/1/2012
3.33-02	L P	N and U are mutually exclusive of all other codes.	1/1/2012
3.33-03	L P	Cannot be N or empty if <CrossingRoad>is N (Not Applicable/None) and <CrossingRoad2> is N (Not Applicable/None)	1/1/2012
3.33-04	L P	Values cannot be repeated.	1/1/2012
3.33-05	L P	Values 10(*With Traffic*) and 11(*Against Traffic*) are mutually exclusive of each other and must be and can only be used in conjunction with 17(*Walking/Running in Trafficway*).	1/7/2014

3.34 Pedestrian School Info <SchoolInfo>

Description: Indicates whether pedestrian involved in a crash was a K - 12 student going to/from school or a school sponsored event.

Valid Codes:
    1 = Going To/From School
    2 = Getting On/Off School Bus
    3 = Both of The Above
    N = Not Applicable
    U = Unknown

Edits:

Edit ID	Agy	Edit	Date added/changed
3.34-01	L P	Must be a valid value.	1/1/2012
3.34-02	L P	Not Applicable	1/1/2012

3.35 Alcohol Use <AlcoholUse>

Description: Indicates whether a person involved in the crash is suspected to have used alcohol in the investigating officer's opinion. This is not a judgment of quantity consumed or intoxication level.

Valid Codes:
    1 = Yes
    2 = No
    U = Unknown
    N = Not Applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
3.35-01	L P	Must be a valid value.	1/1/2012
3.35-02	L P	Must be Y when <ProbableContributingCircumstances> contain 18 (*Alcohol*).	1/1/2012
3.35-03	L P	Not Applicable	1/1/2012
3.35-04	LP	Must be and can only be N when Driver Presence is N *(No Driver)* or 2 *(Present but Unidentified)*	3/21/2016

9.0 PROPERTY DAMAGE

4.01 Property Damages <PropertyDamages>
Description: Parent element which may contain zero or more Property Damage Owners.
Valid Codes: 1 - 999
Edits:

Edit ID	Agy	Edit	Date added/changed
4.01-01	L P	*Not Applicable*	1/1/2012
4.01-02	L P	No Property Damage Indicator must be Y (*Yes, damage to property other than vehicles associated with crash*) for <PropertyDamageOwner> to be present.	1/1/2012

4.02 Owner Last Name <LastName>
Description: The last name of the owner of the property that was damaged in the crash.
Edits:

Edit ID	Agy	Edit	Date added/changed
4.02-01	L P	*Not Applicable*	1/1/2012

4.03 Owner First Name <FirstName>
Description: The first name of the owner of the property that was damaged in the crash.

4.04 Owner Middle Name <MiddleInitial>
Description: The middle name of the owner of the property that was damaged in the crash.

4.05 Owner Generation Suffix <Suffix>
Description: The generation suffix of the owner of the property that was damaged in the crash.
Valid Codes: Preferred:
    I, II, III, VI, V, VI
    1st, 2nd, 3rd, 4th, 5th, 6th
    Jr, Sr
    Allowed:
    1, 2, 3, 4, 5, 6
    1ST, 2ND, 3RD, 4TH, 5TH, 6TH
    JR (lower case versions also are valid)
    SR (lower case versions also are valid)
    Empty tag = no generation suffix
Edits:

Edit ID	Agy	Edit	Date added/changed
4.05-01	L P	Must be a valid value.	1/1/2012

4.06 Owner Address Line #1 <Address: Address1>
Description: The first street address of the owner of the property that was damaged in the crash.

4.07 Owner Address Line #2 <Address: Address2>
Description: The second street address of the owner of the property that was damaged in the crash.

4.08 Owner City <Address: City>
Description: The address city of the owner of the property that was damaged in the crash.
Valid Codes:
Edits:

Edit ID	Agy	Edit	Date added/changed
4.08-01	L P	Must be a valid value.	1/1/2012
4.08-02	L P	*Not Applicable*	1/1/2012

4.09 Owner State <Address: State>
Description: The address state of the owner of the property that was damaged in the crash.
Valid Codes: Appendix: State/Providence Codes
Empty tag = No/Unknown state address
Edits:

Edit ID	Agy	Edit	Date added/changed
4.09-01	L P	Must be a valid value.	1/1/2012

4.10 Owner Zip <Address: ZipCode>
Description: The address zip of the owner of the property that was damaged in the crash.
Valid Codes: Valid zip code
Empty tag = No/Unknown zip code
Edits:

Edit ID	Agy	Edit	Date added/changed
4.10-01	L P	Must be a valid value.	1/1/2012

4.11 Owner Telephone <Address: PhoneNumber>
Description: The telephone number of the owner of the property that was damaged in the crash.
Valid Codes: Valid telephone number
Empty tag = No/Unknown Telephone
Database Format: ##########
Edits:

Edit ID	Agy	Edit	Date added/changed
4.11-01	L P	Must be a valid value.	1/1/2012

4.12 Property Description <PropertyDescription>
Description: The description of the property that was damaged in the crash.
Edits:

Edit ID	Agy	Edit	Date added/changed
4.12-01	L P	Cannot be empty.	1/1/2012

4.13 Damage Description <DamageDescription>
Description: The description of the damage sustained by the property that was damaged in the crash.
Edits:

Edit ID	Agy	Edit	Date added/changed
4.13-01	L P	Cannot be empty.	1/1/2012

10.0 WITNESS

5.01 Witnesses Element <Witnesses>
Description: The parent element which may contain zero or more <Witness>.
Valid Codes: 1 - 999
Edits:

Edit ID	Agy	Edit	Date added/changed
5.01-01	L P	Must be a valid value.	1/1/2012
5.01-02	L P	Witness None Identified Indicator must be *false* (*Witnesses to crash were identified*) for <Witness> to be present.	1/1/2012

5.02 Witness Last Name <LastName>
Description: The last name of the witness.
Edits:

Edit ID	Agy	Edit	Date added/changed
5.02-01	L P	Cannot be empty.	1/1/2012

5.03 Witness First Name <FirstName>
Description: The first name of the witness.
Edits:

Edit ID	Agy	Edit	Date added/changed
5.03-01	L P	Cannot be empty.	1/1/2012

5.03 Witness Middle Name <MiddleInitial>
Description: The middle name of the witness.

5.04 Witness Generation Suffix <Suffix>
Description: The generation suffix of the witness.
Valid Codes: Preferred:
> I, II, III, VI, V, VI
> 1st, 2nd, 3rd, 4th, 5th, 6th
> Jr, Sr
> **Allowed:**
> 1, 2, 3, 4, 5, 6
> 1ST, 2ND, 3RD, 4TH, 5TH, 6TH
> JR (lower case versions also are valid)
> SR (lower case versions also are valid)
> Empty tag = no generation suffix

Edits:

Edit ID	Agy	Edit	Date added/changed
5.05-01	L P	Must be a valid value.	1/1/2012

5.05 Witness Address Line #1 <Address: Address1>
Description: The first street address of the witness.

5.06 Witness Address Line #2 <Address: Address2>
Description: The second street address of the witness.

5.07 Witness City <Address: City>
Description: The address city of the witness.
Edits:

Edit ID	Agy	Edit	Date added/changed
5.08-01	L P	Cannot be empty.	1/1/2012

5.08 Witness State <Address: State>

Description: The address state of the witness.

Valid Codes: Appendix: State/Providence Codes

Edits:

Edit ID	Agy	Edit	Date added/changed
5.09-01	L P	Must be a valid value.	1/1/2012

5.09 Witness Zip <Address: ZipCode>

Description: The address zip of the witness.

Valid Codes: Valid zip code

5.10 Witness Telephone <Address: PhoneNumber>

Description: The telephone number of the witness.

Database Format: ##########

11.0 TRAIN

6.01 Vehicle Number <VehicleNumber>
Description: A unique sequential number assigned to each vehicle involved in a crash. On the Person record, the Vehicle Number serves as part of a unique key.

Valid Codes: 1 - 999

Edits:

Edit ID	Agy	Edit	Date added/changed
6.01-01	L P	Must be a valid value.	1/1/2012
6.01-02	L P	<VehicleType> must be 6 (*Railway vehicle*) for Train Record to be present.	1/1/2012

6.02 Retractable Flange Wheeled Motor Vehicle NA (RFWMV) <RetractableFlangeNA>
Description: Indicates if the railway vehicle involved in a crash was a retractable flange wheeled motor vehicle

Valid Codes: True = Not a retractable flange wheeled motor vehicle
False = Is a retractable flange wheeled motor vehicle

Edits:

Edit ID	Agy	Edit	Date added/changed
6.02-01	L P	Must be a valid value.	1/1/2012
6.02-02	L P	Cannot be empty.	1/1/2012

6.03 Train ID <TrainId>
Description: Identification number of a railway vehicle involved in a crash.

Valid Codes: Train ID
NA = Retractable Flange Wheeled Vehicle

Edits:

Edit ID	Agy	Edit	Date added/changed
6.03-01	L P	Must be a valid value.	1/1/2012
6.03-02	L P	Must be NA if RFWMV is *false* (*Is a retractable flange wheeled motor vehicle*).	1/1/2012

6.04 Lead Engine Number <LeadEngineNumber>
Description: Number on the lead engine involved in a crash.

Valid Codes: Valid Lead Engine Number
NA = Retractable Flange Wheeled Vehicle

Edits:

Edit ID	Agy	Edit	Date added/changed
6.04-01	L P	Must be a valid value.	1/1/2012
6.04-02	L P	Must be NA if RFWMV is *false* (*Is a retractable flange wheeled motor vehicle*).	1/1/2012

6.05 Lead Engine Make <LeadEngineMake>
Description: Manufacturer of the lead engine or flanged wheel vehicle involved in a crash.

Valid Codes: Valid Make
Unknown = Not Available / Unknown

Edits:

Edit ID	Agy	Edit	Date added/changed
6.05-01	L P	Must be a valid value.	1/1/2012

6.06 Lead Engine Model <LeadEngineModel>
Description: Model name or number of the lead engine or flanged wheel vehicle involved in a crash.

Valid Codes: Valid Model
Unknown = Not Available / Unknown

Edits:

Edit ID	Agy	Edit	Date added/changed

6.06-01	L P	Must be a valid value.	1/1/2012

6.07 Locomotive Engineer Certificate <EngineerCertificate>

Description: Indicates whether the engineer was able to produce a locomotive engineer certificate.
Valid Codes: True = Yes
                     False = No
Edits:

Edit ID	Agy	Edit	Date added/changed
6.07-01	L P	Must be a valid value.	1/1/2012
6.07-02	L P	Must be *false* if RFWMV is *false* (*Is a retractable flange wheeled motor vehicle*).	1/1/2012

6.08 Locomotive Engineer Certificate Expiration Date <EngineerCertificateExperationDate>

Description: Expiration date of the locomotive engineer certificate.
Valid Codes: Valid Date
                     NA = Unknown, Not Available, Not Required.
Edits:

Edit ID	Agy	Edit	Date added/changed
6.08-01	L P	Must be a valid value.	1/1/2012
6.08-02	L P	Must be NA if RFWMV is *false* (*Is a retractable flange wheeled motor vehicle*).	1/1/2012
6.08-03	L P	Must be NA if <EngineerCertificate>is *false* (*No*).	

6.09 Headlights Working Indicator <HeadLightInUse>

Description: Indicates whether the headlights of a railway vehicle were illuminated at the time of the crash.
Valid Codes: Y = Yes
                     N = No
                     U = Unknown
Edits:

Edit ID	Agy	Edit	Date added/changed
6.09-01	L P	Must be a valid value.	1/1/2012
6.09-02	L P	*Not Applicable*	1/1/2012

6.10 Horn Working Indicator <HornInUse>

Description: Indicates whether the horn of a railway vehicle was sounded prior to or during a crash.
Valid Codes: Y = Yes
                     N = No
                     U = Unknown
Edits:

Edit ID	Agy	Edit	Date added/changed
6.10-01	L P	Must be a valid value.	1/1/2012
6.10-02	L P	Cannot be empty.	1/1/2012

6.11 Bell Working Indicator <BellInUse>

Description: Indicates whether the bell of a railway locomotive was sounded prior to or during a crash.
Valid Codes: Y = Yes
                     N = No
                     U = Unknown
Edits:

Edit ID	Agy	Edit	Date added/changed
6.11-01	L P	Must be a valid value.	1/1/2012
6.11-02	L P	Cannot be empty.	1/1/2012
6.11-03	L P	Must be N if RFWMV is *false* (*Is a retractable flange wheeled motor vehicle*).	1/1/2012

6.12 Total Occupants <NumberOfOccupants>
Description: Total number of occupants of the railway vehicle including the engineer, conductor, train crew members, and passengers.

Valid Codes: 0 - 999

Edits:

Edit ID	Agy	Edit	Date added/changed
6.12-01	L P	Must be a valid value.	1/1/2012

6.13 Number of Cars <NumberOfCars>
Description: Total number of train cars, including the engine, of the railway train involved in a crash.

Valid Codes: 1-999

NA = Retractable Flange Wheeled Vehicle

Edits:

Edit ID	Agy	Edit	Date added/changed
6.13-01	L P	Must be a valid value.	1/1/2012
6.13-02	L P	Cannot be empty.	1/1/2012
6.13-03	L P	Must be NA if RFWMV is *false* (*Is a retractable flange wheeled motor vehicle*).	1/1/2012

6.14 Speed of Train <SpeedOfTrain>
Description: Estimated speed of the railway train at the time of the crash.

Valid Codes: 0-99

NA = Retractable Flange Wheeled Vehicle

Edits:

Edit ID	Agy	Edit	Date added/changed
6.14-01	L P	Must be a valid value.	1/1/2012
6.14-02	L P	Cannot be empty.	1/1/2012
6.14-03	L P	Must be NA if RFWMV is *false* (*Is a retractable flange wheeled motor vehicle*).	1/1/2012

6.15 Distance from Impact to Front of Lead Engine <DistanceToLeadEngine>
Description: The distance from the area of impact to the front of the lead engine at its final resting position.

Edits:

Edit ID	Agy	Edit	Date added/changed
6.15-01	L P	Must be a valid value.	1/1/2012
6.15-02	L P	Must be empty if RFWMV is *false* (*Is a retractable flange wheeled motor vehicle*).	1/1/2012

6.16 Railroad Track Owner /Address <TrackOwnerAddress>
Description: The name and address of the railroad track owner.

Edits:

Edit ID	Agy	Edit	Date added/changed
6.16-01	L P	Cannot be empty.	1/1/2012

6.17 Railroad Train Owner/Address <TrainOwnerAddress>
Description: The name and address of the railroad train owner.

Edits:

Edit ID	Agy	Edit	Date added/changed
6.17-01	L P	Cannot be empty.	1/1/2012

6.18 Crossing Traffic Control Devices <CrossingTrafficControlDevices>
Description: Indicates the type of crossing signal at the location of a railway vehicle involved crash.

Valid Codes: 1 = Lights/Gates/Bell Combination
2 = Lights/Bell/Combination
3 = Lights/Gates
4 = Lights Only

5 = Passive Warning (Cross bucks only)

7 = Pavement Markings

8 = None

9 = Flagman

N = Not Applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
6.18-01	L P	Must be a valid value.	1/1/2012
6.18-02	L P	8 and N are mutually exclusive of all other codes.	1/1/2012
6.18-03	L P	1, 2, 3, 4, and 5 are mutually exclusive of each other.	1/1/2012

6.19 Crossing Gate Down Indicator <CrossingGateDown>

Description: Indicates whether crossing gates at the location of a railway vehicle involved crash were down.

Valid Codes: Y = Yes

N = No

X = Not applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
6.19-01	L P	Must be a valid value.	1/1/2012
6.19-02	L P	Must be X if <CrossingTrafficControlDevices>does not contain one of the following: 　　1 = Lights/Gates/Bell Combination 　　3 = Lights/Gates	3/22/2018

6.20 Crossing Lights Flashing Indicator <CrossingLightsFlashing>

Description: Indicates whether crossing lights at the location of a railway vehicle involved crash were flashing.

Valid Codes: Y = Yes

N = No

X = Not applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
6.20-01	L P	Must be a valid value.	1/1/2012
6.20-02	L P	Must be X if <CrossingTrafficControlDevices>does not contain one of the following: 　　1 = Lights/Gates/Bell Combination 　　2 = Lights/Bell/Combination 　　3 = Lights/Gates 　　4 = Lights Only	3/22/2018

6.21 Crossing Bells Ringing Indicator <CrossingBellRinging>

Description: Indicates whether crossing bells at the location of a railway vehicle involved crash were ringing.

Valid Codes: Y = Yes

N = No

X = Not applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
6.21-01	L P	Must be a valid value.	1/1/2012
6.21-02	L P	Must be X if <CrossingTrafficControlDevices>does not contain one of the following: 　　1 = Lights/Gates/Bell Combination 　　2 = Lights/Bell/Combination	3/22/2018

6.22 Advance Warning Signs in Place <AdvancedWarningSigns>

Description: Indicates whether advance crossing signs were in place at the location of a railway vehicle involved crash.

Valid Codes: Y = Yes
N = No
X = Not applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
6.22-01	L P	Must be a valid value.	1/1/2012

6.23 Distance from Sign to Rail Measure <SignToRailDistanceMeasure>

Description: Measure of the distance from the nearest rail to the farthest warning sign based on the involved motor vehicle's direction of travel.

Valid Codes: FOOT
MILE
NA

Edits:

Edit ID	Agy	Edit	Date added/changed
6.24-01	L P	Must be a valid value.	1/1/2012
6.24-02	L P	Must be NA if Advance Warning Signs in Place is X (*Not applicable*).	1/1/2012
6.24-03	L P	*Not Applicable*	1/1/2012

6.24 Distance from Sign to Rail <SignToRailDistance>

Description: Distance to the crash scene in miles or feet from the nearest rail to the farthest warning sign based on the involved motor vehicle's direction of travel.

Valid Codes: If Measure is MILE, 00.1 - 99.9
If Measure is FOOT, 1-9999
NA = Not Applicable
UNK = Unknown

Edits:

Edit ID	Agy	Edit	Date added/changed
6.23-01	L P	Must be a valid value.	1/1/2012
6.23-02	L P	Must be NA if Advance Warning Signs in Place is X (*Not applicable*).	1/1/2012

6.25 Crossing Surface Type <CrossingSurfaceType>

Description: Road surface within railway crossing at the location of a crash involving a railway vehicle.

Valid Codes: Crossing Surface Type
NA = Not Applicable
UNK = Unknown

Edits:

Edit ID	Agy	Edit	Date added/changed
6.25-01	L P	Must be a valid value.	1/1/2012
6.25-02	L P	Must be NA if <CrossingSurfaceType>is N (*Not Applicable*).	1/1/2012

6.26 DOT Crossing Indicator <DOTCrossingID>

Description: The DOT / AAR Crossing Identification Number on the crossing control box and/or cross bucks at the site of a railway vehicle involved crash.

Valid Codes: Crossing Identification Number
NA = Not Applicable

Edits:

Edit ID	Agy	Edit	Date added/changed
6.26-01	L P	Must be a valid value.	1/1/2012
6.26-02	L P	Must be NA if <CrossingTrafficControlDevices>is N (*Not Applicable*).	3/22/2018

6.27 Train Quiet Zone <QuietZone>

Description: Indicates whether a crash occurred in a quiet zone established by local ordinance.

Valid Codes: Y = Yes
                    N = No
                    U = Unknown

Edits:

Edit ID	Agy	Edit	Date added/changed
6.27-01	L P	Must be a valid value.	1/1/2012

APPENDIX: DECISIVE ELEMENTS

Primary decisive elements are those elements that do not have any edits depending on other elements however; its own value drives other element's edits.   The following elements and the sequential flowcharts demonstrate those identified elements. They take in account the electronic submissions as well as the entry of paper reports by the Traffic Records Division where poor data quality from inaccurate or incomplete reports necessitates the need for unknown values.

Investigated at Scene

Traffic Records Division will look at both the values of the associated fields along with the narrative to try to determine if the crash was investigated at the scene when crashes are submitted as a paper record.

Investigated at Scene is the decisive element for:
- Arrival Time
- Arrival Time Unknown Indicator
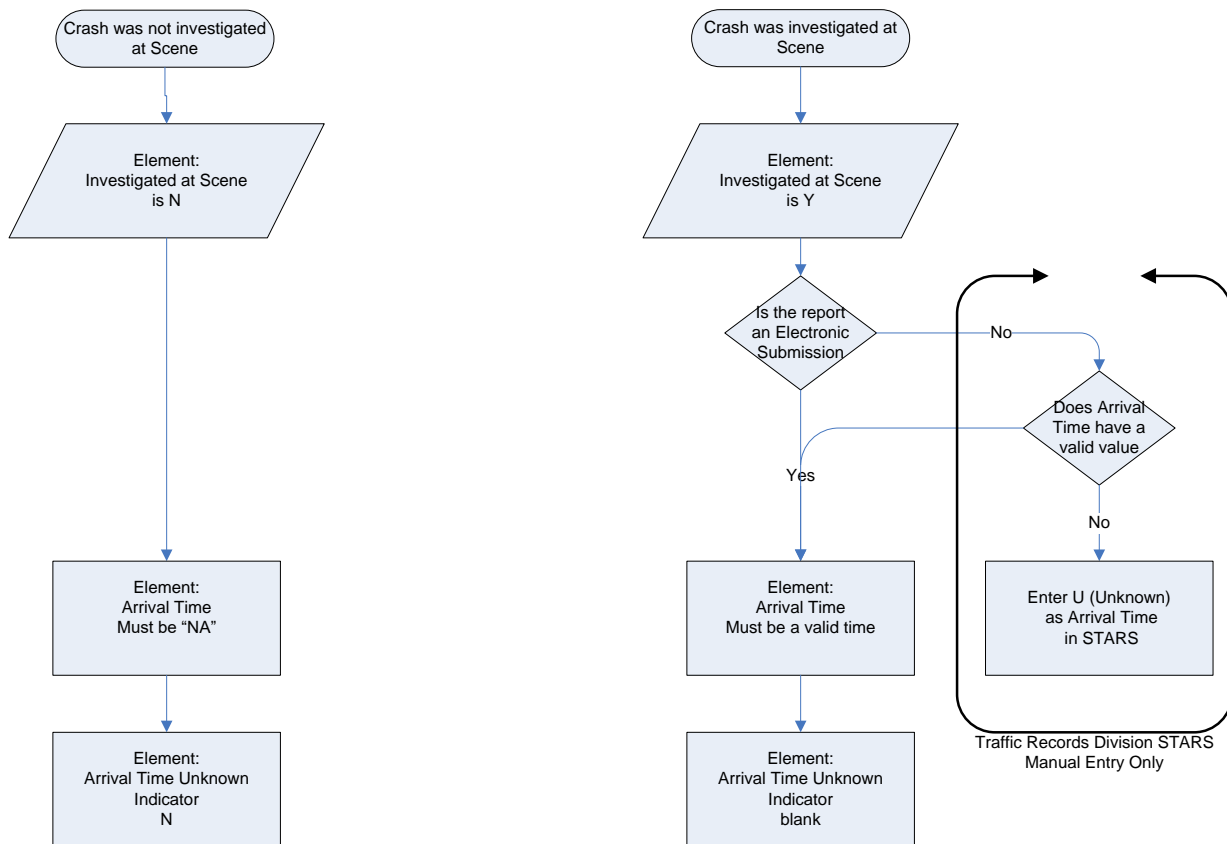
APPENDIX: DEFAULT VALUES FOR NO, UNKNOWN, AND UNIDENTIFIED DRIVERS

When the Driver Presence Code is N (No Driver), 2 (Present but not identified), or U (Unknown Driver), there are default codes for certain fields that the Traffic Records Division has identified. Below is these fields for each of the three drivers types listed, and whether this code is a hard default or if it can contain other values.

Driver Presence Code = N (No Driver)

Fields	Value	Editable
Last Name	NO DRIVER	No
First Name	empty	No
MI	empty	No
Suffix	empty	No
Zip Code	empty	No
Operator License Number	NA	No
Operator License State	NA	No
Operator License Status	N	No
Operator License Type	N	No
Operator License Class	empty	No
Operator CDL License Class	empty	No
Operator Motorcycle Qualified	NA	No
DOB	empty	No
Sex	N	No
Seat Location	NA	No
Injury Level	N	No
<Transport>	N	No
Ejection	1	No
Air Bag	1	No
Safety Device 1	N	No
Safety Device 2	empty	No
Vision Obstructed	N	No
Alcohol Use	N	No

Driver Presence Code = 2 (Present but not identified)

Fields	Value	Editable
Last Name	UNIDENTIFIED	No
First Name	empty	No
MI	empty	No
Suffix	empty	No
Zip Code	empty	No
Operator License Number	UNK	No
Operator License State	UK	No
Operator License Status	U	No
Operator License Type	U	No
Operator License Class	empty	No
Operator CDL License Class	empty	No
Operator Motorcycle Qualified	NA	Yes
DOB	empty	No
Sex	N	Yes
Seat Location	XX	Yes

Injury Level	empty or N = (Not applicable)	No
<Transport>	empty	No
Ejection	empty	No
Air Bag	empty	No
Safety Device 1	empty	No
Safety Device 2	empty	No
Vision Obstructed	U	Yes
Alcohol Use	N	No

Driver Presence Code = U (Unknown Driver)

Fields	Value	Editable
Last Name	UNKNOWN DRIVER	No
First Name	empty	No
MI	empty	No
Suffix	empty	No
Zip Code	empty	No
Operator License Number	UNK	No
Operator License State	UK	No
Operator License Status	U	No
Operator License Type	U	No
Operator License Class	empty	No
Operator CDL License Class	empty	No
Operator Motorcycle Qualified	NA	Yes
DOB	empty	No
Sex	U	Yes
Seat Location	XX	Yes
Injury Level	U	Yes
Transport	U	Yes
Ejection	U	Yes
Air Bag	U	Yes
Safety Device 1	U	Yes
Safety Device 2	empty	Yes
Vision Obstructed	U	Yes
Alcohol Use	U	Yes

APPENDIX: ROUTE DESIGNATORS

IS	Interstate
US	U.S. Highway
MO	State Numbered
RT	State Lettered
AL	Alternate Route
LP	Loop (Interstates Only)
BU	Business Route (US or MO only)
SP	Spur
CST	City Street
RP	Ramp
CRD	County Road
PP	Private Property
CO	Connector for Wye Leg
EOR	East Outer Road
NOR	North Outer Road
SOR	South Outer Road
WOR	West Outer Road
PVT	Private Road
RV	Reversible
RA	Rest Area
WS	Weigh Station
ALY	Alley
BRIDGE	Bridge
ERM	Emergency Reference Marker
COE	Corp of Engineers
DOD	Dept of Defense
FWS	Fish and Wildlife
NFS	National Forest Service
NPS	National Park Service
PK	Park Road

Appendix: County Codes

Code	County
001	ADAIR
002	ANDREW
003	ATCHISON
004	AUDRAIN
005	BARRY
006	BARTON
007	BATES
008	BENTON
009	BOLLINGER
010	BOONE
011	BUCHANAN
012	BUTLER
013	CALDWELL
014	CALLAWAY
015	CAMDEN
016	CAPE GIRARDEAU
017	CARROLL
018	CARTER
019	CASS
020	CEDAR
021	CHARITON
022	CHRISTIAN
023	CLARK
024	CLAY
025	CLINTON
026	COLE
027	COOPER
028	CRAWFORD
029	DADE
030	DALLAS
031	DAVIESS
032	DEKALB
033	DENT
034	DOUGLAS
035	DUNKLIN
036	FRANKLIN
037	GASCONADE
038	GENTRY
039	GREENE
040	GRUNDY
041	HARRISON
042	HENRY
043	HICKORY
044	HOLT
045	HOWARD
046	HOWELL
047	IRON
048	JACKSON
049	JASPER
050	JEFFERSON
051	JOHNSON
052	KNOX
053	LACLEDE
054	LAFAYETTE
055	LAWRENCE
056	LEWIS
057	LINCOLN

Code	County
058	LINN
059	LIVINGSTON
060	MCDONALD
061	MACON
062	MADISON
063	MARIES
064	MARION
065	MERCER
066	MILLER
067	MISSISSIPPI
068	MONITEAU
069	MONROE
070	MONTGOMERY
071	MORGAN
072	NEW MADRID
073	NEWTON
074	NODAWAY
075	OREGON
076	OSAGE
077	OZARK
078	PEMISCOT
079	PERRY
080	PETTIS
081	PHELPS
082	PIKE
083	PLATTE
084	POLK
085	PULASKI
086	PUTNAM
087	RALLS
088	RANDOLPH
089	RAY
090	REYNOLDS
091	RIPLEY
092	ST. CHARLES
093	ST. CLAIR
094	ST. FRANCIOS
095	ST. LOUIS
097	STE. GENEVIEVE
098	SALINE
099	SCHUYLER
100	SCOTLAND
101	SCOTT
102	SHANNON
103	SHELBY
104	STODDARD
105	STONE
106	SULLIVAN
107	TANEY
108	TEXAS
109	VERNON
110	WARREN
111	WASHINGTON
112	WAYNE
113	WEBSTER
114	WORTH
115	WRIGHT
116	ST. LOUIS CITY
999	UNKNOWN

APPENDIX: MUNICIPALITY CODES

Municipal Codes 2012 - Present			
0010	ADRIAN	1365	LAKE ANNETTE
0015	ADVANCE	1366	LAKE LAFAYETTE
3000	AFFTON	1370	LAKE LOTAWANA
0016	AGENCY	1371	LAKE MYKEE TOWN
0017	AIRPORT DRIVE	1374	LAKE OZARK
0018	ALBA	1375	LAKE ST. LOUIS
0020	ALBANY	1386	LAKE TAPAWINGO
0021	ALDRICH	1387	LAKE TEKAKWITHA
0022	ALEXANDRIA	1388	LAKE VIKING
0023	ALLENDALE	1390	LAKE WAUKOMIS
0024	ALLENVILLE	1395	LAKE WINNEBAGO
0025	ALMA	1380	LAKESHIRE
0026	ALTAMONT	1385	LAKESIDE
0027	ALTENBURG	1400	LAMAR
0028	ALTON	1401	LAMAR HEIGHTS
0029	AMAZONIA	1402	LAMBERT
3001	AMITY	1406	LANAGAN
3002	AMORET	1407	LANCASTER
3003	AMSTERDAM	1415	LAREDO
0030	ANDERSON	1420	LATHROP
0031	ANNADA	1426	LAURIE
0032	ANNAPOLIS	1430	LAWSON
0033	ANNISTON	1435	LEADINGTON
0040	APPLETON CITY	1440	LEADWOOD
0041	ARBELA	1445	LEASBURG
0042	ARBYRD	1446	LEAWOOD
0043	ARCADIA	1450	LEBANON
0044	ARCHIE	1460	LEES SUMMIT
0045	ARCOLA	1461	LEETON
0046	ARGYLE	3048	LEISURE LAKE
0047	ARKOE	3049	LEMAY
0050	ARMSTRONG	1462	LEONARD
0055	ARNOLD	1463	LESLIE
0056	ARROW POINT	1464	LEVASY
3004	ARROW ROCK	1465	LEWIS AND CLARK VILLAGE
3005	ASBURY	1466	LEWISTOWN
0057	ASH GROVE	1470	LEXINGTON
3006	ASHBURN	1475	LIBERAL
0058	ASHLAND	1480	LIBERTY
3007	ASHLEY	1490	LICKING
0059	ATLANTA	1500	LILBOURN
3008	AUGUSTA	1505	LINCOLN
3009	AULLVILLE	1510	LINN
0060	AURORA	1511	LINN CREEK
0065	AUXVASSE	1512	LINNEUS
0070	AVA	1513	LITHIUM
0071	AVILLA	1514	LIVONIA
0072	AVONDALE	3050	LOCH LLOYD
0073	BAGNELL	3051	LOCK SPRINGS
0074	BAKER	1515	LOCKWOOD
0075	BAKERSFIELD	1516	LOHMAN
0076	BALDWIN PARK	1517	LOMA LINDA
0080	BALLWIN	1518	LONE JACK
0081	BARING	1519	LONGTOWN
0082	BARNARD	3052	LOUISBURG
0083	BARNETT	1520	LOUISIANA

3010	BARNHART	1525	LOWRY CITY
0084	BATES CITY	1526	LUCERNE
0085	BATTLEFIELD	1527	LUDLOW
0120	BEL-NOR	1528	LUPUS
0130	BEL-RIDGE	1529	LURAY
0087	BELL CITY	1537	MACKENZIE
0086	BELLA VILLA	1539	MACKS CREEK
0100	BELLE	1540	MACON
0110	BELLEFONTAINE NEIGHBORS	1545	MADISON
0115	BELLERIVE	1546	MAITLAND
0116	BELLFLOWER	1550	MALDEN
0140	BELTON	1555	MALTA BEND
0141	BENNETT SPRINGS	1560	MANCHESTER
0145	BENTON	1570	MANSFIELD
0146	BENTON CITY	1580	MAPLEWOOD
0147	BERGER	1585	MARBLE HILL
0150	BERKELEY	1590	MARCELINE
0160	BERNIE	1600	MARIONVILLE
0165	BERTRAND	1610	MARLBOROUGH
0170	BETHANY	1615	MARQUAND
0171	BETHEL	1620	MARSHALL
0172	BEVERLY HILLS	1630	MARSHFIELD
0173	BEVIER	1631	MARSTON
0174	BIEHLE	1632	MARTHASVILLE
3012	BIG LAKE	1633	MARTINSBURG
3013	BIG SPRING	1635	MARYLAND HEIGHTS
3011	BIGELOW	1640	MARYVILLE
0175	BILLINGS	1645	MATTHEWS
0176	BIRCH TREE	1650	MAYSVILLE
0177	BIRMINGHAM	1655	MAYVIEW
0180	BISMARCK	1530	MCBAINE
0190	BLACK JACK	1535	MCCORD BEND
0185	BLACKBURN	1536	MCFALL
0191	BLACKWATER	1538	MCKITTRICK
0192	BLAIRSTOWN	1656	MEADVILLE
3014	BLANCHARD	1657	MEHLVILLE
0193	BLAND	1660	MEMPHIS
0194	BLODGETT	1661	MENDON
0200	BLOOMFIELD	1662	MERCER
0205	BLOOMSDALE	1665	MERRIAM WOODS
0206	BLUE EYE	1666	MERWIN
0210	BLUE SPRINGS	1667	META
0215	BLYTHEDALE	1668	METZ
0220	BOGARD	1670	MEXICO
0225	BOLCKOW	1675	MIAMI
0230	BOLIVAR	1676	MIDDLETOWN
0240	BONNE TERRE	1680	MILAN
0250	BOONVILLE	1681	MILFORD
0251	BOSWORTH	1684	MILL SPRING
0255	BOURBON	1682	MILLARD
0260	BOWLING GREEN	1683	MILLER
0265	BRAGG CITY	3053	MILO
0266	BRANDSVILLE	3054	MINDENMINES
0270	BRANSON	3055	MINE LA MOTTE
0271	BRANSON WEST	1685	MINER
0272	BRASHEAR	1686	MINERAL POINT
0273	BRAYMER	1687	MIRAMIGUOA PARK
0274	BRECKENRIDGE	1688	MISSOURI CITY
0280	BRECKENRIDGE HILLS	1690	MOBERLY
0290	BRENTWOOD	1695	MOKANE
3015	BREWER	1700	MOLINE ACRES
0300	BRIDGETON	1710	MONETT
0305	BRIMSON	1720	MONROE CITY

0306	BRONAUGH	1730	MONTGOMERY CITY
0310	BROOKFIELD	1735	MONTICELLO
0312	BROOKLYN HEIGHTS	3056	MONTIER
0313	BROWNING	1736	MONTROSE
0314	BROWNINGTON	1737	MOORESVILLE
0315	BRUMLEY	1740	MOREHOUSE
0320	BRUNSWICK	1741	MORLEY
0325	BUCKLIN	1742	MORRISON
0330	BUCKNER	1743	MORRISVILLE
0340	BUFFALO	1744	MOSBY
0341	BULL CREEK	1745	MOSCOW MILLS
0342	BUNCETON	1750	MOUND CITY
0343	BUNKER	1755	MOUNDVILLE
0344	BURGESS	1771	MOUNT LEONARD
0345	BURLINGTON JUNCTION	1772	MOUNT MORIAH
0350	BUTLER	1780	MOUNT VERNON
0351	BUTTERFIELD	1760	MOUNTAIN GROVE
0355	BYRNES MILL	1770	MOUNTAIN VIEW
0360	CABOOL	1781	MURPHY
0361	CAINSVILLE	1785	NAPOLEON
0362	CAIRO	1786	NAYLOR
0363	CALEDONIA	1787	NECK CITY
0364	CALHOUN	1788	NEELYVILLE
0370	CALIFORNIA	1789	NELSON
0375	CALLAO	1790	NEOSHO
0380	CALVERTON PARK	1800	NEVADA
0385	CAMDEN	1806	NEW BLOOMFIELD
0386	CAMDEN POINT	1808	NEW CAMBRIA
0390	CAMDENTON	1809	NEW FLORENCE
0400	CAMERON	1810	NEW FRANKLIN
0410	CAMPBELL	1815	NEW HAMPTON
0415	CANALOU	1820	NEW HAVEN
0420	CANTON	1825	NEW LONDON
0430	CAPE GIRARDEAU	1830	NEW MADRID
0435	CARDWELL	1835	NEW MELLE
0440	CARL JUNCTION	1805	NEWARK
0450	CARROLLTON	1807	NEWBURG
0460	CARTERVILLE	1836	NEWTONIA
0470	CARTHAGE	1837	NEWTOWN
0480	CARUTHERSVILLE	1838	NIANGUA
0485	CARYTOWN	1840	NIXA
0490	CASSVILLE	1845	NOEL
3016	CASTLE POINT	9999	NON-CITY OR UNINCORPORATED
0491	CATRON	1846	NORBORNE
0492	CAVE	1850	NORMANDY
3017	CEDAR HILL	1860	NORTH KANSAS CITY
0493	CEDAR HILL LAKES	1865	NORTH LILBOURN
0494	CENTER	1866	NORTHMOOR
0495	CENTERTOWN	1870	NORTHWOODS
0496	CENTERVIEW	1871	NORWOOD
0497	CENTERVILLE	1875	NORWOOD COURT
0500	CENTRALIA	1876	NOVELTY
0510	CHAFFEE	1877	NOVINGER
0511	CHAIN OF ROCKS	1910	O'FALLON
0512	CHAIN-O-LAKES	1880	OAK GROVE (JACKSON CO)
0513	CHAMOIS	1881	OAK GROVE VILLAGE
0514	CHAMP	1895	OAK RIDGE
0520	CHARLACK	1890	OAKLAND
0530	CHARLESTON	1896	OAKS
0531	CHEROKEE	1897	OAKVIEW
0532	CHESAPEAKE	3057	OAKVILLE
0535	CHESTERFIELD	1898	OAKWOOD
0536	CHILHOWEE	1899	OAKWOOD PARK

0540	CHILLICOTHE	1900	ODESSA
0545	CHULA	1915	OLD APPLETON
0550	CLARENCE	3058	OLD JAMESTOWN
0551	CLARK	1916	OLD MONROE
0552	CLARKSBURG	1917	OLEAN
0553	CLARKSDALE	1920	OLIVETTE
0555	CLARKSON VALLEY	1925	OLYMPIAN VILLAGE
0556	CLARKSVILLE	1930	ORAN
0560	CLARKTON	1935	OREGON
0570	CLAYCOMO	1936	ORONOGO
0580	CLAYTON	1937	ORRICK
0581	CLEARMONT	1940	OSAGE BEACH
0582	CLEVELAND	1945	OSBORN
0585	CLEVER	1946	OSCEOLA
0586	CLIFF VILLAGE	1947	OSGOOD
0587	CLIFTON HILL	1948	OTTERVILLE
0588	CLIMAX SPRINGS	1950	OVERLAND
0590	CLINTON	1960	OWENSVILLE
0591	CLYDE	1961	OXLY
0592	COBALT	1970	OZARK
0593	COFFEY	1971	OZORA
0600	COLE CAMP	1980	PACIFIC
0605	COLLINS	1990	PAGEDALE
0610	COLUMBIA	2000	PALMYRA
0615	COMMERCE	2010	PARIS
0616	CONCEPTION	2011	PARK HILLS
0617	CONCEPTION JUNCTION	3059	PARKDALE
0618	CONCORD	2020	PARKVILLE
0620	CONCORDIA	2025	PARKWAY
0625	CONEY ISLAND	2030	PARMA
0626	CONWAY	2035	PARNELL
0630	COOL VALLEY	2040	PASADENA HILLS
0631	COOTER	2041	PASADENA PARK
0632	CORDER	2042	PASCOLA
0633	CORNING	2043	PASSAIC
0634	COSBY	2044	PATTONSBURG
0635	COTTLEVILLE	3060	PAYNESVILLE
0640	COUNTRY CLUB HILLS	3061	PEACEFUL VILLAGE
0645	COUNTRY CLUB VILLAGE	2045	PECULIAR
0646	COUNTRY LIFE ACRES	3062	PENDLETON
0647	COWGILL	2046	PENERMON
0648	CRAIG	2047	PERRY
0650	CRANE	2050	PERRYVILLE
0655	CREIGHTON	2055	PEVELY
0660	CRESTWOOD	3063	PHELPS CITY
0670	CREVE COEUR	2056	PHILLIPSBURG
0675	CROCKER	2057	PICKERING
0676	CROSS TIMBERS	2060	PIEDMONT
0680	CRYSTAL CITY	2070	PIERCE CITY
0685	CRYSTAL LAKE PARK	2071	PIERPONT
0686	CRYSTAL LAKES	2075	PILOT GROVE
0690	CUBA	2073	PILOT KNOB
0691	CURRYVILLE	2080	PINE LAWN
0692	DADEVILLE	2085	PINEVILLE
0693	DALTON	2086	PINHOOK
0694	DANVILLE	2087	PLATO
0695	DARDENNE PRAIRIE	2090	PLATTE CITY
0696	DARLINGTON	2095	PLATTE WOODS
3018	DAWN	2100	PLATTSBURG
3020	DE KALB	2110	PLEASANT HILL
0720	DE SOTO	2115	PLEASANT HOPE
0735	DE WITT	2120	PLEASANT VALLEY
0697	DEARBORN	2121	PLEVNA

0698	DEEPWATER	2125	POCAHONTAS
0699	DEERFIELD	2126	POLLOCK
3019	DEFIANCE	2127	POLO
0700	DELLWOOD	2128	POMONA
0705	DELTA	2129	PONTIAC
0706	DENNIS ACRES	2130	POPLAR BLUFF
0707	DENVER	2135	PORTAGE DES SIOUX
0708	DES ARC	2140	PORTAGEVILLE
0730	DES PERES	2150	POTOSI
0710	DESLOGE	2156	POWERSVILLE
0740	DEXTER	2157	PRAIRIE HOME
0745	DIAMOND	2158	PRATHERSVILLE
0746	DIEHISTADT	2159	PRESTON
0747	DIGGINS	2160	PRINCETON
0750	DIXON	2161	PURCELL
0751	DOE RUN	3064	PURDIN
0760	DONIPHAN	2162	PURDY
0761	DOOLITTLE	2163	PUXICO
3021	DOVER	2164	QUEEN CITY
3022	DOWNING	3066	QUILIN
0762	DREXEL	3065	QUITMAN
0763	DUDLEY	3067	RANDOLPH
0764	DUENWEG	3068	RAVANNA
0765	DUQUESNE	3069	RAVENWOOD
0766	DUTCHTOWN	3070	RAYMONDVILLE
3023	EAGLE ROCK	2165	RAYMORE
0767	EAGLEVILLE	2170	RAYTOWN
0768	EAST LYNNE	2171	RAYVILLE
0770	EAST PRAIRIE	2172	REA
0769	EASTON	2173	REDINGS MILL
0775	EDGAR SPRINGS	2174	REEDS
0776	EDGERTON	2175	REEDS SPRINGS
0780	EDINA	2176	RENICK
0781	EDINBURG	2177	RENSSELAER
0790	EDMUNDSON	2180	REPUBLIC
0810	EL DORADO SPRINGS	2185	REVERE
0800	ELDON	2186	RHINELAND
0820	ELLINGTON	2190	RICH HILL
0830	ELLISVILLE	2187	RICHARDS
0835	ELLSINORE	2200	RICHLAND
0836	ELMER	2210	RICHMOND
0837	ELMIRA	2220	RICHMOND HEIGHTS
0838	ELMO	2221	RIDGELY
0840	ELSBERRY	2222	RIDGEWAY
0845	EMERALD BEACH	2223	RISCO
0850	EMINENCE	2224	RITCHEY
0855	EMMA	2225	RIVER BEND
0860	EOLIA	2230	RIVERSIDE
0865	ESSEX	2240	RIVERVIEW
0866	ETHEL	2241	RIVERVIEW ESTATES
0870	EUREKA	2245	RIVES
0871	EVERGREEN	2246	ROCHEPORT
0875	EVERTON	2250	ROCK HILL
0876	EWING	2260	ROCK PORT
3024	EXCELLO	2247	ROCKAWAY BEACH
0877	EXCELSIOR ESTATES	2261	ROCKVILLE
0880	EXCELSIOR SPRINGS	2265	ROGERSVILLE
0881	EXETER	2270	ROLLA
0885	FAIR GROVE	2271	ROSCOE
0886	FAIR PLAY	2272	ROSEBUD
3025	FAIRDEALING	2273	ROSENDALE
0882	FAIRFAX	2274	ROTHVILLE
0887	FAIRVIEW	2275	RUSH HILL

0888	FARBER	2276	RUSHVILLE
0889	FARLEY	2277	RUSSELLVILLE
0890	FARMINGTON	2278	RUTLEDGE
0900	FAYETTE	3071	SADDLEBROOKE
0910	FENTON	2279	SAGINAW
0920	FERGUSON	2380	SALEM
0925	FERRELVIEW	2390	SALISBURY
0930	FESTUS	2391	SAPPINGTON
0935	FIDELITY	2400	SARCOXIE
0936	FILLMORE	2410	SAVANNAH
0937	FISK	2415	SCHELL CITY
0940	FLEMING	2416	SCOTSDALE
0945	FLEMINGTON	2420	SCOTT CITY
0946	FLINT HILL	2430	SEDALIA
0947	FLORDELL HILLS	2435	SEDGEWICKVILLE
0948	FLORIDA	2436	SELIGMAN
0950	FLORISSANT	2440	SENATH
0951	FOLEY	2450	SENECA
0952	FORDLAND	2460	SEYMOUR
0953	FOREST CITY	2470	SHELBINA
0954	FORISTELL	2475	SHELBYVILLE
0955	FORSYTH	2476	SHELDON
3026	FORT LEONARD WOOD	3073	SHELL KNOB
0956	FORTESCUE	2477	SHERIDAN
0958	FOSTER	2478	SHOAL CREEK DRIVE
0959	FOUNTAIN N' LAKES	2479	SHOAL CREEK ESTATES
3027	FRANKCLAY	2480	SHREWSBURY
3028	FRANKFORD	2485	SIBLEY
3029	FRANKLIN	2490	SIKESTON
0960	FREDERICKTOWN	2495	SILEX
0965	FREEBURG	2496	SILVER CREEK
0966	FREEMAN	2497	SKIDMORE
0967	FREISTATT	2500	SLATER
3030	FREMONT	2505	SMITHTON
0968	FREMONT HILLS	2510	SMITHVILLE
0969	FROHNA	3074	SOUTH FORK
0970	FRONTENAC	2511	SOUTH GIFFORD
0980	FULTON	2512	SOUTH GORIN
0985	GAINESVILLE	2513	SOUTH GREENFIELD
0986	GALENA	2514	SOUTH LINEVILLE
0990	GALLATIN	3075	SOUTHWEST CITY
0991	GALT	3076	SPANISH LAKE
0995	GARDEN CITY	2515	SPARTA
0996	GASCONADE	2516	SPICKARD
0997	GENTRY	2517	SPOKANE
0998	GERALD	2520	SPRINGFIELD
0999	GERSTER	2280	ST. ANN
3031	GIBBS	2290	ST. CHARLES
1000	GIDEON	2300	ST. CLAIR
1005	GILLIAM	2301	ST. CLEMENT
1006	GILMAN CITY	2305	ST. CLOUD
3032	GINGER BLUE	2315	ST. ELIZABETH
1010	GLADSTONE	2316	ST. FRANCISVILLE
1020	GLASGOW	2320	ST. GEORGE
1021	GLASGOW VILLAGE	2330	ST. JAMES
1026	GLEN ALLEN	2340	ST. JOHN
1031	GLEN ECHO PARK	2350	ST. JOSEPH
1025	GLENAIRE	2360	ST. LOUIS
1030	GLENDALE	2361	ST. MARTINS
1032	GLENWOOD	3072	ST. MARY
3033	GOLDEN	2362	ST. PAUL
1033	GOLDEN CITY	2365	ST. PETERS
1035	GOODMAN	2370	ST. ROBERT

3034	GOODNIGHT	2375	ST. THOMAS
1036	GORDONVILLE	2530	STANBERRY
3035	GOSS	2535	STARK CITY
1037	GOWER	2310	STE. GENEVIEVE
3036	GRAHAM	2540	STEELE
1038	GRAIN VALLEY	2550	STEELVILLE
1040	GRANBY	2555	STELLA
1045	GRAND FALLS PLAZA	2556	STEWARTSVILLE
1047	GRAND PASS	2560	STOCKTON
1046	GRANDIN	2561	STOTESBURY
1050	GRANDVIEW	2562	STOTTS CITY
1055	GRANGER	2563	STOUTLAND
1056	GRANT CITY	2564	STOUTSVILLE
1057	GRANTWOOD VILLAGE	2565	STOVER
1060	GRAVOIS MILLS	2566	STRAFFORD
1063	GRAY SUMMIT	2567	STRASBURG
1061	GRAYHAWK	2568	STURGEON
1062	GRAYRIDGE	2570	SUGAR CREEK
1066	GREEN CITY	2580	SULLIVAN
1071	GREEN PARK	2585	SUMMERSVILLE
3037	GREEN RIDGE	2586	SUMNER
1065	GREENCASTLE	2587	SUNDOWN
1067	GREENDALE	2588	SUNRISE BEACH
1070	GREENFIELD	2590	SUNSET HILLS
3038	GREENTOP	2600	SWEET SPRINGS
3039	GREENVILLE	2601	SYCAMORE HILLS
1072	GREENWOOD	2602	SYRACUSE
1073	GUILFORD	2604	TALLAPOOSA
1074	GUNN CITY	2605	TANEYVILLE
1075	HALE	2606	TAOS
1076	HALFWAY	2610	TARKIO
1077	HALLSVILLE	2615	TARRANTS
1078	HALLTOWN	2616	TERRE DU LAC
1080	HAMILTON	2620	THAYER
1090	HANLEY HILLS	2625	THEODOSIA
1100	HANNIBAL	2626	THOMASVILLE
1105	HARDIN	2627	THREE CREEKS
1106	HARRIS	2630	TIGHTWAD
1107	HARRISBURG	2635	TINA
1110	HARRISONVILLE	2636	TINDALL
1114	HARTSBURG	2640	TIPTON
1115	HARTVILLE	2650	TOWN AND COUNTRY
1116	HARTWELL	2655	TRACY
3040	HARVIELL	2660	TRENTON
1117	HARWOOD	2665	TRIMBLE
1118	HAWK POINT	2666	TRIPLETT
1120	HAYTI	2670	TROY
1125	HAYTI HEIGHTS	2671	TRUESDALE
1126	HAYWARD	2672	TRUXTON
1127	HAYWOOD CITY	2673	TURNEY
1130	HAZELWOOD	2674	TUSCUMBIA
1131	HENRIETTA	2676	TWIN OAKS
1135	HERCULANEUM	2677	UMBER VIEW HEIGHTS
1140	HERMANN	2680	UNION
1145	HERMITAGE	2685	UNION STAR
1146	HIGBEE	2690	UNIONVILLE
1150	HIGGINSVILLE	2695	UNITY VILLAGE
1151	HIGH HILL	2700	UNIVERSITY CITY
1153	HIGH RIDGE	2705	UPLANDS PARK
1152	HIGHLANDVILLE	2706	URBANA
1155	HILLSBORO	2707	URICH
1160	HILLSDALE	2708	UTICA
1165	HOBERG	2710	VALLEY PARK

1166	HOLCOMB	2715	VAN BUREN
1170	HOLDEN	2720	VANDALIA
1172	HOLIDAY	2725	VANDIVER
1171	HOLLAND	2726	VANDUSER
1173	HOLLISTER	2730	VELDA CITY
1174	HOLT	2740	VELDA VILLAGE HILLS
1175	HOLTS SUMMIT	2745	VERONA
1176	HOMESTEAD	2750	VERSAILLES
1177	HOMESTOWN	2755	VIBURNUM
1178	HOPKINS	2756	VIENNA
3041	HORINE	2757	VILLA RIDGE
1179	HORNERSVILLE	0957	VILLAGE OF FOUR SEASONS
1180	HOUSTON	2760	VINITA PARK
1182	HOUSTON LAKE	2761	VINITA TERRACE
1181	HOUSTONIA	2762	VISTA
1183	HOWARDVILLE	2763	WACO
1184	HUGHESVILLE	2764	WALKER
1185	HUMANSVILLE	2765	WALNUT GROVE
1186	HUME	2766	WARDELL
1187	HUMPHREYS	2767	WARDSVILLE
1188	HUNNEWELL	2770	WARRENSBURG
3042	HUNTER	2780	WARRENTON
1189	HUNTLEIGH	2790	WARSAW
3043	HUNTSDALE	2800	WARSON WOODS
1190	HUNTSVILLE	2805	WASHBURN
1195	HURDLAND	2810	WASHINGTON
1200	HURLEY	2811	WASOLA
1205	IATAN	2815	WATSON
1206	IBERIA	2816	WAVERLY
1207	IMPERIAL	2817	WAYLAND
1210	INDEPENDENCE	2820	WAYNESVILLE
1211	INDIAN POINT	2821	WEATHERBY
1212	INNSBROOK	2825	WEATHERBY LAKE
1213	IONIA	2826	WEAUBLEAU
1214	IRENA	2830	WEBB CITY
1216	IRON MOUNTAIN LAKE	2840	WEBSTER GROVES
1215	IRONDALE	2841	WEINGARTEN
1220	IRONTON	2845	WELDON SPRING
1221	IRWIN	2846	WELDON SPRING HEIGHTS
1230	JACKSON	2847	WELLINGTON
1231	JACKSONVILLE	2850	WELLSTON
3044	JAMESON	2860	WELLSVILLE
3045	JAMESPORT	2865	WENTWORTH
3046	JAMESTOWN	2870	WENTZVILLE
1232	JASPER	2875	WEST ALTON
1240	JEFFERSON CITY	2877	WEST LINE
1250	JENNINGS	2890	WEST PLAINS
1255	JERICO SPRINGS	3077	WEST SULLIVAN
1256	JONESBURG	2876	WESTBORO
1260	JOPLIN	2880	WESTON
1265	JOSEPHVILLE	2885	WESTPHALIA
1266	JUNCTION CITY	2891	WESTWOOD
1270	KAHOKA	2892	WHEATLAND
1280	KANSAS CITY	2893	WHEATON
1285	KEARNEY	2894	WHEELING
1286	KELSO	3078	WHITEMAN AFB
1290	KENNETT	3079	WHITESIDE
1291	KEYTESVILLE	3080	WHITEWATER
1292	KIDDER	3081	WILBUR PARK
1295	KIMBERLING CITY	2895	WILDWOOD
1296	KIMMSWICK	2900	WILLARD
1300	KING CITY	2905	WILLIAMSVILLE
1305	KINGDOM CITY	2910	WILLOW SPRINGS

1306	KINGSTON	2915	WILSON CITY
1307	KINGSVILLE	2920	WINCHESTER
1310	KINLOCH	2930	WINDSOR
1311	KIRBYVILLE	3082	WINDSOR PLACE
1320	KIRKSVILLE	2931	WINFIELD
1330	KIRKWOOD	2932	WINIGAN
1331	KISSEE MILS	2935	WINONA
1340	KNOB NOSTER	2936	WINSTON
1341	KNOX CITY	2937	WOOD HEIGHTS
1342	KOSHKONONG	2940	WOODSON TERRACE
1343	LA BELLE	2941	WOOLDRIDGE
1346	LA DUE	2942	WORTH
1360	LA GRANGE	3083	WORTHAM
1405	LA MONTE	2943	WORTHINGTON
1410	LA PLATA	2945	WRIGHT CITY
1416	LA RUSSELL	2946	WYACONDA
1425	LA TOUR	2947	WYATT
3047	LABARQUE	2948	ZALMA
1344	LACLEDE	Empty tag	Unknown Municipality
1345	LADDONIA		
1350	LADUE		

APPENDIX: STATE/PROVIDENCE CODES

AB	ALBERTA
AG	AGUASCALIENTES
AK	ALASKA
AL	ALABAMA
AM	AMERICAN SAMOA
AR	ARKANSAS
AZ	ARIZONA
BA	BAJA CALIFORNIA (NORTHERN SECTION)
BC	BRITISH COLUMBIA
BJ	BAJA CALIFORNIA SUR (SOUTHERN SECTION)
BK	BAKER ISLAND
CA	CALIFORNIA
CE	CAMPECHE
CG	CAROLINE ISLANDS
CH	CHIHUAHUA
CI	CHIAPAS
CL	COLIMA
CO	COLORADO
CT	CONNECTICUT
CU	COAHUILA
CZ	CANAL ZONE
DC	DISTRICT OF COLUMBIA
DE	DELAWARE
DF	DISTRITO FEDERAL (MEXICO, D. F.)
DF	MEXICO, D.F. (DISTRITO FEDERAL)
DO	DURANGO
FL	FLORIDA
GA	GEORGIA
GM	GUAM
GR	GUERRERO
GU	GUANAJUATO
HI	HAWAII
HL	HIDALGO
HO	HOWLAND ISLAND
IA	IOWA
ID	IDAHO
IL	ILLINOIS
IN	INDIANA
JI	JOHNSTON ATOLL
JL	JALISCO
JR	JARVIS ISLAND
KI	KINGMAN REEF
KS	KANSAS
KY	KENTUCKY
LA	LOUISIANA
MA	MASSACHUSETTS
MB	MANITOBA
MC	MICHOACAN
MD	MARYLAND
ME	MAINE
MH	NORTHERN MARSHALL ISLANDS
MI	MICHIGAN

MK	MARIANA ISLANDS
MN	MINNESOTA
MO	MISSOURI
MR	MORELOS
MS	MISSISSIPPI
MT	MONTANA
MW	MIDWAY ISLANDS
MX	MEXICO (STATE)
NA	NOT APPLICABLE
NB	NEBRASKA
NC	NORTH CAROLINA
ND	NORTH DAKOTA
NF	NEWFOUNDLAND (INCLUDES LABRADOR)
NH	NEW HAMPSHIRE
NJ	NEW JERSEY
NK	NEW BRUNSWICK
NL	NUEVO LEON
NM	NEW MEXICO
NO	NONE
NS	NOVA SCOTIA
NR	NAYARIT
NT	NORTHWEST TERRITORIES
NV	NEVADA
NY	NEW YORK
OA	OAXACA
OH	OHIO
OK	OKLAHOMA
ON	ONTARIO
OR	OREGON
OT	OTHER
PA	PENNSYLVANIA
PB	PUEBLA
PE	PRINCE EDWARD ISLAND
PL	PALMYRA ATOLL
PQ	QUEBEC
PR	PUERTO RICO
QR	QUINTANA ROO
QU	QUERETARO
RI	RHODE ISLAND
SC	SOUTH CAROLINA
SD	SOUTH DAKOTA
SI	SINALOA
SK	SASKATCHEWAN
SL	SAN LUIS POTOSI
SN	SASKATCHEWAN
SO	SONORA
TA	TAMAULIPAS
TB	TABASCO
TL	TLAXCALA
TN	TENNESSEE
TX	TEXAS
UK	UNKNOWN
US	US GOVERNMENT
UT	UTAH
XX	FOREIGN COUNTRY

VA	VIRGINIA
VC	VERACRUZ
VI	VIRGIN ISLANDS
VL	NAVASSA ISLAND
VT	VERMONT
WA	WASHINGTON
WI	WISCONSIN
WK	WAKE ISLAND
WV	WEST VIRGINIA
WY	WYOMING
YT	YUKON (TERRITORY)
YU	YUCATAN
ZA	ZACATECAS
Empty tag	Not Applicable

APPENDIX: PREVIOUS CHANGE LOG

1.05-02	L P	Can ~~only~~ be empty if <LongForm> is S.	3/26/2019

1.07-04	L P	Must equal the number of person records where <InjuryLevel> is: 2 = Suspected Serious Injury 3 = Evident - Not disabling 4 - Probable - Not apparent	3/26/2019

	3/26/2019
3.16 Person Injury Level <InjuryLevel> **Description:** Indicates the severity of injuries sustained by drivers, occupants, or pedestrians involved in the crash. **Valid Codes:** 1 = Fatal 2 = Suspected Serious Injury 3 = Evident - Not disabling 4 - Probable - Not apparent 5 = None apparent U = Unknown N = Not applicable Empty tag = Not Required *On 01/01/2019 the description of personal injury level for code 2 was changed from Disabling to Suspected Serious Injury.	

3.16-05	L P	Cannot be: 1 = Fatal 2 = Suspected Serious Injury When <Operator> has a <DriverPresenceCode> of U (Unknown Driver)	3/26/2019

3.17-02	L P	Can be 2 or 3 only when <InjuryLevel> is: 1 = Fatal 2 = Suspected Serious Injury 3 = Evident - Not disabling 4 - Probable - Not apparent	3/26/2019