CRASH DATABASE

FULL IMPORT RECORD LAYOUT AND CODE DOCUMENTATION

CRASH REPORT (OH-1) SUBMISSION STRUCTURE

Full Crash Data Electronic Submission

Revised: 12/21/2007



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Table of Contents

Table of Contents	2
	3
INSTRUCTIONS FOR SUBMISSION	4
CRASH SUBMISSION DATA FORMAT:	6
CRASH	6
UNITS	21
PEOPLE	37
WITNESS	44
CRASH DIAGRAM SPECIFICATIONS:	45
DIAGRAM	45
ODPS RESPONSE FORMAT:	47
RESPONSE FORMAT	47
BUSINESS RULE VALIDATIONS:	49
Appendix A Location Format	67
Reference	69
Document Revision Details:	70

INTRODUCTION

Crash submission from various data suppliers is done via paper or partial electronic methods at present. Ohio Department of Public Safety took an initiative to make this data transfer fully electronic and automated. Participating Law Enforcement Agencies can now supply crash data (OH-1) electronically over the internet using secure web service interface. This web service will accept entire crash, including image files, and return the message of successful/failure to the Law Enforcement Agency in real time.

INSTRUCTIONS FOR SUBMISSION

Agencies will need to confirm validity of the crash upload files before supplying data through the web service. Agencies will supply a sample data file to Abby Warchal. Upon successful validation of the sample data, agencies will then be provided access to the web service for automated data supply. The sample data validation will be done in 3 business days. Agencies can provide sample data by contacting Tom Hollingsworth at <u>THollingsworth@dps.state.oh.us</u>. Once this data is validated agencies will be directed to get a secure access to ODPS web service. Agency can then start supplying data to ODPS.

Ohio Department of Public Safety will use security certificates to authenticate the participating Agencies and communication will be done over secure channel to protect the data. ODPS technical staff will help Agencies set up the security requirements and provide support upon any technical problems relating to the communication. The web service's upload method will accept text file and image file for one crash and will send response in a XML format.

According to W3C, a Web service is a "software system identified by a URI, whose public interfaces and bindings are defined and described using XML." A web service allows you to programmatically access distributed resources over the network using normal object-oriented calls. Web services are built upon common standards, such as HTTP and XML. Since web services are available through a standard interface that uses industry standard protocols, web services allow disparate systems to work together. In order to provide services to the Law Enforcement Agency community, the ECS System has implemented a web service called UploadService.

This web service allows electronic crash data submission possible over the internet. At present crash data is being submitted to ODPS in various different formats, e.g. part paper and part electronic. This web service will allow various Law Enforcement Agency to submit/upload their crash data electronically. To facilitate electronic communication for the data submission in this application a common data format or protocol has been designed. This data format is called ECS format and is available in the "ECS File Layout.doc" document. The ECS format describes how data should be laid out in the text file with length of the text and permitted values. For example Day of Crash should be in format MON, TUE etc. and should be placed in the slot 61 to 63 characters in the text file on the crash line which begins with C.

Web Service Overview

Web service address and full details will be provided in the future versions of this document.

The Upload web service will perform the task of accepting an input data file and image file associated with the crash, perform validation, insertion of data into database and reports back to Law Enforcement Agency. Web service response is always in an XML file.

A Law Enforcement Agency must submit data to ECS application in the form of a single flat file and image file associated with the crash. The Upload web service has two methods available for uploading a crash record:

UploadFile

- This method accepts one crash record in a text file format with .dsw extension and an image file associated with the crash as a soap attachment. ODPS has enabled this method for agencies to supply data via SOAP message encapsulation using DIME protocol. For further information about DIME protocol please visit following web resources
 - http://msdn.microsoft.com/msdnmag/issues/02/12/DIME/

- http://www-128.ibm.com/developerworks/library/ws-tip-noattach.html
- http://bgp.potaroo.net/ietf/all-ids/draft-nielsen-dime-02.txt
- http://xml.coverpages.org/dime.html

UploadFileInByteArray

- Agencies can also supply crash data in the form of file byte array using this method. Arguments accepted by this method are as given below:
 - DataFileByte Crash record in filebytearray format
 - ImageFileByte Image file in filebytearray format
 - ImageFileName Image file name in string data format

For the image file naming convention and other specifications please refer the CRASH DIAGRAM SPECIFICATIONS section of thisdocuemnt. Flat files and image files of any other type will cause an exception that will be recorded in an XML file that will be send back to the Law Enforcement Agency for corrections.

The flat file should have data in a format that follows a pre-defined layout. The Record layout is defined in "Crash Submission Data Format" section below.

There are a set of Validations/Edits that the data in the flat file has to pass. The UploadFile method checks the data in the flat file against these Validations/Edits. If the Data passes all the Validations/Edits successfully, the data is saved in the database and an appropriate success message is recorded in an XML file else the error codes corresponding to each Validation/Edit is recorded in that file. This XML file will be send back to the Law Enforcement Agency for corrections. The set of Validations/Edits and their error codes can be found in the Business Rules Validation section of this document.

The same inputs are needed for UploadFileInByteArray method.

Web Service Credentials

The process to provide credentials for Law Enforcement Agency to access application is implemented using certificates.

The web service will be accessible to authenticated Law Enforcement Agency. The Law Enforcement Agency will have to install certificates on their machines. They will have to contact ODPS for certificates. The contact information for the installation and maintenance help will be provided in future versions of this document.

CRASH SUBMISSION DATA FORMAT:

Ohio Department of Public Safety will accept crash data in a text file format. The file format is defined below with crash, unit, people and witness related information in separate lines.

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
Record Type	-	-	1	1	1	AN	Code 'C' for Crash
Local Report Number (LOCAL_REPORT_NUM)	Local Report#	1	10	2	11	AN	Locally Assigned Report Number - Omit dashes if you can't key the whole field. - If blank check to see if the number is elsewhere on the report; usually upper left; if not available, use format COMMDDHHMI CO-County # MMDD-Date of Crash (Month and Day) HHMI-Military Time of Crash.
Crash Severity (CRASH_SEVERITY_FLAG)	Crash Severity	1	1	12	12	N	Enter number for the most severe injury, or in the absence of injury, property damage involved in the crash. 1 = Fatal Injury 2 = Injury 3 = Property Damage Only (PDO) 4 = Unknown Unknown = Investigation reveals no injury or property damage, or damage less than \$400. Local Policy if crash report completed.
Private Property Indicator (PRIVATE_PROPERTY)	Private Property	1	1	13	13	AN	Did the report occurred on private property? Y = Yes N = No
Hit/Skip (HIT_SKIP_FLAG)	Hit/Skip	1	1	14	14	N	Hit/Skip Crash Information 1 = Not Hit/Skip 2 = Solved 3 = Unsolved 4 = Unknown
Photos Taken (PHOTOS_TAKEN)	Photos Taken	1	1	15	15	AN	Were any photos taken relative to the crash? Y = Yes N = No
OH-2 (OH_2_FLAG)	OH-2	1	1	16	16	N	OH-2 Report Associated 1 = Yes 2 = No
OH-3 (OH_3_FLAG)	OH-3	1	1	17	17	N	OH-3 Report Associated 1 = Yes 2 = No

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
OH-1P (OH_1P_FLAG)	OH-1P	1	1	18	18	N	OH-1P Report Associated 1 = Yes 2 = No
Other (OH_OTHER_FLAG)	Other	1	1	19	19	N	Other (Local Report Used) 1 = Yes 2 = No
Reporting Agency NCIC (NCIC)	N.C.I.C #	1	5	20	24	AN	The N.C.I.C agency identifier for the reporting agency. Example: CIP00, 0317, OHP76 If you do not have an N.C.I.C. identifier, contact LEADS Steering Committee Chairperson Charles D. Shipley Building P.O. Box 18205 Columbus, OH 43218-2074 NCIC Lookup Table (NCIC)
Reporting Agency Name (REPORTING_AGENCY)	Reporting Agency	1	20	25	44	AN	Report name of agency that has responsibility for filing the crash report. NCIC Lookup Table (AGENCY_NAME)
Number Of Vehicles And Non- motorist (NUMBER_OF_UNITS)	# Units	1	2	45	46	N	Total of actual number of motor vehicles and non-motorist involved in crash. Record total number of units involved (01, 02. 03, etc.) -Note: Do not key objects such as trees, buildings, or animals (ie: deer, farm, other) as units.
Unit in Error (VEHICLE_IN_ERROR)	Unit Error	1	2	47	48	N	Indicate by unit number the motorist/non-motorist which had the most causative bearing on the crash. Example: (Unit#) 01, 02, 03, 98, 99 etc. 98 = Animal in error 99 = No error
Date Of Crash (DATE_OF_CRASH)	Date of Crash	1	8	49	56	N	Enter numerical date on which the crash occurred in the following format: MMDDYYYY Month, Day, Year of Crash If time is blank use Date Crash Reported (OH-1 p. 3 bottom left) (CRASH_REPORTED_DATE)
Time Of Crash (DATE_OF_CRASH)	Time of Crash	1	4	57	60	N	Record time of the crash using military (2400 clock) time. Example: 8:00 AM record as 0800, 8:00 PM record as 2000. HHMI If time is blank use Time Rec. Call (OH-1 p. 3 bottom left) (CRASH_REPORTED_DATE)

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
Day Of Week (DATE_OF_CRASH)	Day of Week	1	3	61	63	AN	Record day of week crash occurred using the first three characters. SUN = Sunday MON = Monday TUE = Tuesday WED = Wednesday THU = Thursday FRI = Friday SAT = Saturday
In City, Village, Township (CITY_VILLAGE_TOWNSHIP)	City Village TWP	1	1	64	64	N	Select only one to indicate governmental boundary. 1 = City 2 = Village 3 = Township 4 = Unknown
FIPS Place Code (FIPS_PLACE_CODE)	-	-	5	65	69	N	FIPS Place Code FIPS Lookup Table (FIPS_PLACE_CODE)
Enter Name of City, Village, Township (CITY)	Name (of City, Village or Township)	1	30	70	99	AN	The name of the political subidivion where crash occurred. FIPS Lookup Table (PLACE_NAME)
In County Of (COUNTY)	County#	1	2	100	101	N	Indicate county where crash occurred using the county code. County Lookup Table (COUNTYNO)
Latitude – Degrees (LATITUDE_DEG)	Latitude	1	2	102	103	N	This area is completed in cooperation with Global Positioning Systems (GPS). Areas are identified in (D)egrees, (M)inutes, (S)econds and Degrees of Precision. Enter without regard to + or – numbers. Required when global positioning systems are available. Latitude (DD:MM:SS.SS) For GPS Location Identification DD
Latitude – Minutes (LATITUDE_MIN)	Latitude	1	2	104	105	N	MM
Latitude – Seconds (LATITUDE_SEC)	Latitude	1	5	106	110	N	SS.SS
Longitude – Degrees (LONGITUDE_DEG)	Longitude	1	3	111	113	N	Longitude (DDD:MM:SS.SS) For GPS Location Identification DDD Example 1: 0822510.06 (correct) Example 2: 822510.06 (incorrect)
Longitude – Minutes	Longitude	1	2	114	115	Ν	MM

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
(LONGITUDE_MIN)	•						
Longitude – Seconds (LONGITUDE_SEC)	Longitude	1	5	116	120	N	SS.SS
Crash Prefix (CRASH_PREFIX)	Crash Occurred On - Prefix	1	1	121	121	AN	Record crash location prefix. If a street is divided into North/South, or East/West sections, the prefix is required. Example: Both #21 North State Street and a #21 South State Street both exist on the same street. 31 West Third Street would be entered as the prefix (W). N = North S = South E = East W = West
Crash Location (CRASH_LOCATION)	Crash Occurred On - Crash Location	1	28	122	149	AN	The street name or route number on which the crash actually occurred. Break crash location out into two separate fields (Crash Location [Pos. 122-149] and Street Designation [Pos. 150- 151]). Examples: Street Location Crash Location Designation IR 75 0075 IR IR 80 Turnpike 0080 TURNPIKE IR 3 RD Street 0003RD ST Cleveland Avenue CLEVELAND AV County Road F 000F CR If TYPE_LOCATION_POINT_USED = 1 (Named Street) Then street name in Crash Location, Else If TYPE_LOCATION_POINT_USED = 2 (Numbered Street) or 3 (Numbered Route) Then format is 0000 (with Text, if any, following #'s) If alternate route then 0000A. If bypass then 0000B. If city street then 0000A.

OHIO DEPARTMENT OF PUBLIC SAFETY ECS Documentation

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							(where XX is ST,ND,RD, or TH) Change all numbered streets to a number example Fourth St change to 0004 in Crash Location. Report all numbered routes in numeric format example SR62 is reported as 0062 in the Crash Location. If route numbers overlap on the same section of roadway, use the following table to choose the proper route identification. The sequence of the table gives the ORDER OF PRECEDENCE . 1) Interstate (IR) Routes 2) Federal (US) Routes 3) State (SR) Routes 4) County (CR) Roads 5) Township (TR) Roads 6) City Street 7) Access Roads, or Named Allows
							Example: If US 30 overlaps onto a section of SR 285, that
Street Designation (CRASH_LOCATION_ROAD_TYPE)	Crash Occurred On - Crash Location	1	2	150	151	AN	Break crash location out into two separate fields (Crash Location [Pos. 122-149] and Street Designation [Pos. 150- 151]). If TYPE_LOCATION_POINT_USED = 1 (Named Street) or 2 (Numbered Street) AV = Avenue BO = Boulevard CI = Circle CO = Court DR = Drive HE = Heights HI = Highway LA = Lane PA = Parkway PI = Pike

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							PL = Place RO = Road SQ = Square ST = Street TE = Terrace TL = Trail WA = Way = 3 (<i>Numbered Route</i>) IR = Interstates US = Federal US Routes SR = State Route CR = Numbered County Road
Type of Location Point Used (TYPE_LOCATION_POINT_USED)	Crash Occurred On - Type Loc	1	1	152	152	N	TR = Numbered Township Road 1 = Named Street 2 = Numbered Street 3 = Numbered Route
Local Information (LOCAL_INFORMATION)	Local Information	1	20	153	172	AN	Optional area for local crash information such as named areas, district#, precinct#, private property location, etc.
Distance from Reference (Miles from Reference) (MILES_FROM_REFERENCE)	At/Reference – Dist Reference	1	3	173	175	Ν	Number of Miles from Reference DISTANCE CHART 1ft - 53ft = 001 54ft - 106ft = 002 107ft - 159ft = 003 160ft - 212ft = 004 213ft - 265ft = 005 266ft - 318ft = 006 319ft - 371ft = 007 372ft - 424ft = 008 425ft - 477ft = 009 478ft - 530ft = 010 1/8 mile = 012 1/5 mile = 017 1/4 mile = 025 1/3 mile = 033 1/2 mile = 050 1 mile = 100 1060' = 020

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							1590' = 030 $2120' = 040$ $2650' = 050$ $3180' = 060$ $3710' = 070$ $4240' = 080$ $4770' = 090$ $5300' = 100$
Direction From Reference (DIRECTION_REFERENCE)	At/Reference – DR	1	1	176	176	AN	Direction from the reference used. N = North S = South E = East W = West
Reference Prefix (REFERENCE_PREFIX)	At/Reference – Prefix	1	1	177	177	AN	Reference location prefix. If a street is divided into North/South, or East/West sections, the prefix is required. Example: Both #21 North State Street and a #21 South State Street both exist on the same street. 31 West Third Street would be entered as the prefix (W). N = North S = South E = East W = West
Reference Point (REFERENCE_POINT)	At/Reference – Reference	1	28	178	205	AN	Street address, milepost marker, intersection where crash occurred. Break reference out into two separate fields (Reference Point [Pos. 178-205] and Reference Designation [Pos. 206-207]). If Reference Point Used = 01 (state line) 03 (county line) 04 (house number) 05 (township boundary) 07 (corporation limit) 08 (place name without reference) 09 (driveway) 10 (street of route without reference) Then:

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values - Place name of reference point in Reference Point - Place spaces in Reference Designation If Reference Point Used = 02 (intersection of two streets) Then: - Place name of street in Reference Point - Place reference Designation, use the listing under the Reference Type If Reference Point Used = 06 (milepost) Then: - Mile Post number in Reference Point using the following example: MP15 report as 015.0. The Reference_Point value must follow the format of ddd.d where d is a number (0-9).
							Numbered Streets/Routes If REFERENCE_POINT contains a Numbered Street or Numbered Route then format is 0000 (with Text, if any, following #'s). If alternate route then 0000A. If bypass then 0000B. If city street then 0000XX (where XX is ST,ND,RD, or TH) (similar to CRASH_LOCATION) Mile Post If REFERENCE_TYPE = 'MP' or REFERENCE_POINT_USED = '06' Then format is 000.00 House Number

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							If REFERENCE_POINT_USED = '04' Then format is 000000
							State Line If REFERENCE_POINT_USED = '01' Then format is %ST LINE
							County Line If REFERENCE_POINT_USED = '03' Then format is %CO LINE
							Township Boundary If REFERENCE_POINT_USED = '05' Then format is %TWP LINE
Reference Designation (REFERENCE_TYPE)	At/Reference – Reference	1	2	206	207	AN	Break reference out into two separate fields (Reference Point [Pos. 178-205] and Reference Designation [Pos. 206-207]). AV = Avenue BO = Boulevard CI = Circle CO = Court DR = Drive HE = Heights
							HI = Highway $LA = Lane$ $PA = Parkway$ $PI = Pike$ $PL = Place$ $RO = Road$ $SQ = Square$ $ST = Street$ $TE = Terrace$
							WA = Way IR = Interstates US = Federal US Routes SR = State Rotes

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							CR = Numbered County Road
							TR = Numbered Township Road
Reference Point Used	At/Reference –	1	2	208	209	Ν	01 = State Line
(REFERENCE_POINT_USED)	Ref Point						02 = Intersection Of Two Streets
							03 = County Line
							04 = House Number
							05 = Township Boundary
							U6 = Mile POSt
							07 = Corporation Limit
							09 = Driveway
Type of Intersection	Type of Intersection	2	2	210	211	N	The intersection code to indicate where the crash occurred
	Type of intersection	2	2	210	211		101 - Not a Intersection
							02 – Four-way Intersection
							03 = T-Intersection
							04 = Y-intersection
							05 = Traffic circle/roundabout
							06 = Five-point, or more
							07 = On ramp
							08 = Off ramp
							09 = Crossover
							10 = Driveway
							11 = Railway grade crossing
							12 = Shared-use paths or trails
							13 = Unknown
Occurrence	Occurrence	2	1	212	212	N	Where the crash occurred.
(OCCURRENCE)							1 = On Roadway
							2 = On Shoulder
							3 = In Median
							4 = On Roadside
							5 = On Gore
							6 = Outside Trafficway
		-		040	040		
	Road Contour	2	1	213	213	N	Contour of road at crash scene.
(ROAD_CONTOUR)							1 = Straight Level
							3 = Curve Level

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CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							4 = Curve Grade 5 = Unknown
Road Conditions – Primary (PRIMARY_ROAD_CONDITION)	Road Conditions - Primary	2	2	214	215	N	Road conditions at crash scene. Primary is the overall road conditions at time of crash. 01 = Dry 02 = Wet 03 = Snow 04 = Ice 05 = Sand, Mud, Dirt, Oil, Gravel 06 = Water (Standing, Moving) 07 = Slush 08 = Debris** 09= Rut, Holes, bumps, Uneven Pavement** 10 = Other 11 = Unknown **Secondary Road Conditions Only
Road Conditions – Secondary (SECONDARY_ROAD_CONDITION)	Road Conditions - Secondary	2	2	216	217	N	Road conditions at crash scene. Secondary is the location conditions that contributed to crash. 01 = Dry 02 = Wet 03 = Snow 04 = Ice 05 = Sand, Mud, Dirt, Oil, Gravel 06 = Water (Standing, Moving) 07 = Slush 08 = Debris** 09 = Rut, Holes, bumps, Uneven Pavement** 10 = Other 11 = Unknown **Secondary Road Conditions Only
Narrative (NARRATIVE)	Narrative	2	200 0	218	2217	AN	Brief and concise view of the crash, explaining how and why the crash happened in simple easy to understand English. Refer to units by number and be sure the narrative corresponds to the codes recorded in other field and crash diagram.
Manner of Crash Collision/Impact (COLLISION_TYPE)	Manner of Collision or Impact	3	1	2218	2218	N	The manner in which crash occurred. 1 = Not Collision Between Two Vehicles in Transport 2 = Rear-end 3 = Head-on

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							4 = Rear-to-rear 5 = Backing 6 = Angle 7 = Sideswipe, same direction 8 = Sideswipe, opposite direction
Weather (WEATHER)	Weather	3	2	2219	2220	N	Weather conditions at the time of the crash. 01 = Clear 02 = Cloudy 03 = Fog, Smog, Smoke 04 = Rain 05 = Sleet, Hail (Freezing Rain Or Drizzle) 06 = Snow 07 = Severe Crosswinds 08 = Blowing Sand, Soil, Dirt, Snow 09 = Other 10 = Unknown
Light Conditions – Primary (PRIMARY_LIGHT_CONDITION)	Light Conditions - Primary	3	1	2221	2221	N	Lighting conditions at the time of the crash. Primary is normal conditions. 1 = Daylight 2 = Dawn 3 = Dusk 4 = Dark – Lighted Roadway 5 = Dark – Roadway Not Lighted 6 = Dark – Unknown Roadway Lighting 7 = Glare 8 = Other 9 = Unknown
Light Conditions – Secondary (SECONDARY_LIGHT_CONDITION)	Light Conditions - Secondary	3	1	2222	2222	N	Lighting conditions at the time of the crash. Secondary is causative conditions. 1 = Daylight 2 = Dawn 3 = Dusk 4 = Dark – Lighted Roadway 5 = Dark – Roadway Not Lighted 6 = Dark – Unknown Roadway Lighting 7 = Glare 8 = Other

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							9 = Unknown
School Bus Related (SCHOOL_BUS_RELATED)	School Bus Related	3	1	2223	2223	N	Indicate if a school bus is related to the crash. List "School Bus" with or without a pupil on board if directly or indirectly involved in the crash. 1 = No 2 = Yes, School Bus Directly Involved 3 = Yes, School Bus Indirectly Involved 4 = Unknown
Work Zone Related (WORK_ZONE_RELATED)	Work Zone Related	3	1	2224	2224	N	Was crash in or related to a construction, maintenance or utility work zone. A road construction/maintenance area crash occurs within the limits of start and end appearing to be related to the road construction/maintenance activity. 1 = No 2 = Yes 3 = Unknown If Yes, also complete Type of Work Zone, Location of Crash in Work Zone and Workers Present)
Type of Work Zone (WORK_ZONE_TYPE)	Type of Work Zone	3	1	2225	2225	N	Indicate work zone type. 1 = Lane Closure 2 = Lane Shift/Crossover 3 = Work On Shoulder Or Median 4 = Intermittent Or Moving Work 5 = Other 9 = Unknown
Location of Crash in Work Zone (WORK_ZONE_LOCATION)	Location of Crash in Work Zone	3	1	2226	2226	N	Indicate the location of the crash in relation to the work zone. 1 = Before The First Work Zone Warning Sign 2 = Advance Warning Area 3 = Transition Area 4 = Activity Area 9 = Unknown
Workers Present (WORKER_PRESENT_FLAG)	Workers Present	3	1	2227	2227	N	Were workers present when crash occurred. 1 = No 2 = Yes 3 = Unknown
Date Crash Reported To Police Agency (CRASH_REPORTED_DATE)	Date Crash Reported	3	8	2228	2235	N	The Date at Which the Call Was Placed Notifying the Police Agency About the Crash MMDDYYYY
Time Crash Reported To Police	Time Rec Call	3	4	2236	2239	Ν	The Military Time at Which the Call Was Placed Notifying the

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
Agency (CRASH_REPORTED_DATE)							Police Agency About the Crash HHMI
Dispatch Time (DISPATCH_TIME)	Dispatch	3	4	2240	2243	N	The Military Time When Law Enforcement was Dispatched to the Scene of the Crash HHMI
Arrival Time (ARRIVED_TIME)	Arrived	3	4	2244	2247	N	The Military Time When Law Enforcement Arrived at the Scene of the Crash HHMI
Time Crash Scene Cleared (CLEARED_TIME)	Cleared	3	4	2248	2251	N	The Military Time When Law Enforcement cleared the Scene of the Crash. HHMI
Other Investigation Time (OTHER_MINUTES)	Other	3	4	2252	2255	N	The actual number of minutes required to complete the crash investigation/report after leaving the crash Scene. This would include additional time at a hospital, interviews, and/or notifications. HHMI
Total Minutes (TOTAL_MINUTES)	Total Minutes	3	5	2256	2260	N	Number Minutes To Complete Investigation
Officer's First Name (OFFICER_FIRST_NAME)	Officer's Name	3	15	2261	2275	AN	Investigative officer's first name.
Officer's Middle Name (OFFICER_MIDDLE_NAME)	Officer's Name	3	15	2276	2290	AN	Investigative officer's middle name.
Officer's Last Name (OFFICER_LAST_NAME)	Officer's Name	3	25	2291	2315	AN	Investigative officer's last name.
Officer Badge Number (BADGE_NUMBER)	Badge #	3	5	2316	2320	AN	Investigative Officer ID Number
Checked by (CHECKED_BY)	Checked By	3	25	2321	2345	AN	Name, initials or badge number of person checking the report for completeness, accuracy and legibility.
Date Report Filed (REPORT_FILED_DATE)	Date Report Filed	3	8	2346	2353	N	The date law enforcement concluded crash investigation and filed report. MMDDYYYY
Report Taken By (REPORT_TAKEN_BY)	Report Taken By	3	1	2354	2354	N	1 = Police agency 2 = Motorist
Report Taken At (REPORT_TAKEN_AT)	Report Taken At	3	1	2355	2355	N	1 = Police agency 2 = Motorist
Road Surface (ROAD_SURFACE)	Road Surface (new field not	-	1	2356	2356	N	1 = Concrete 2 = Blacktop, Bituminous, Asphalt 3 = Brick/Block

CRASH							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
	currently on OH-1)						4 = Slug, Gravel, Stone 5 = Dirt 6 = Other 7 = Unknown
Number of Lanes (NUMBER_OF_LANES)	No Lanes (new field not currently on OH-1)	-	1	2357	2357	N	1 = 1 Lane 2 = 2 Lanes 3 = 3 Lanes 4 = 4 Lanes 5 = 5 Lanes 6 = 6 Lanes 7 = 7 or More Lanes 8 = Unknown
Supplement (Correction or Addition to an Existing Report Sent to ODPS) (SUPPLEMENT)	Supplement "X" if Yes	1	1	2358	2358	N	 "X" the box if this report is used for a correction or addition to an existing report sent to ODPS. There are no other forms available for correcting or adding information to a report. 1 = Supplement Box Checked (this is a supplement) 2 = Supplement Box Not Checked (this is not a supplement)
Revision Date (REVISION_DATE)	Rev.	1 <i>TL</i>	4 236	2359	2362	N	Revision date preprinted on upper right corner of form. Currently OH-1 (Rev. 10/99) = 1099

UNITS							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
Record type		-	1	1	1	AN	Code 'U' for Units
Reporting Agency NCIC (NCIC)	N.C.I.C #	1	5	2	6	AN	See CRASH - NCIC Description
Date/Time of Crash (DATE_OF_CRASH)	Date/Time of Crash	1	12	7	18	N	See CRASH - DATE_OF_CRASH Description MMDDYYYYHHMI
Local Report Number (LOCAL_REPORT_NUM)	Local Report#	1	10	19	28	AN	See CRASH - LOCAL_REPORT_NUM Description
Unit Number (UNITNO)	Unit #	1	2	29	30	N	Sequential number starting with "01" for each unit (motorist / non-motorist) involved in the crash using 2 digits. <i>Example: 01, 02, 03, etc.</i> Number is assigned to uniquely identify each unit involved in the crash.
Number Occupants (OCCUPANTS)	# of Occ.	1	2	31	32	N	Total number of occupants in or on this vehicle involved in the crash using 2 digits. <i>Example: 01, 02, 03, etc.</i> Include driver in the total number of occupants.
Vehicle Identification Number (VIN)		-	20	33	52	AN	Vehicle Identification Number, this is only obtained on electronic applications. It is not on the current crash report. NEW for the CVARS Project
License Plate State Issue (LICENSE_PLATE_STATE)	LP State	1	2	53	54	AN	 Write the 2 digit code of driver license state of issuance. (Example: OH, KY, IN) Additional Codes: When Not Mentioned: NS For Federal: FE See list on pages 103-104 in MMUCC layout. MMUCC layout can be found at: http://www.mmucc.us/guideline.aspx
License Plate Number (LICENSE_PLATE)	LP #	1	8	55	62	AN	Enter the license plate number of the vehicle supplying the power. Alphanumeric Identifier Assigned By The State, Foreign Country, U.S. Government, Indian Nation. (Example: Car pulling a trailer – trailer strikes another vehicle. Vehicle pulling the trailer is the power unit listed as unit#1. Do not record validation sticker number.)
Owner First Name (OWNER_FIRST_NAME)	Owner Name	1	15	63	77	AN	Record the first name of vehicle owner.
Owner Middle Name	Owner Name	1	15	78	92	AN	Record the middle name of vehicle owner.

UNITS							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
(OWNER_MIDDLE_NAME)	•						
Owner Last Name (OWNER_LAST_NAME)	Owner Name	1	25	93	117	AN	Record the last name of vehicle owner.
Owner Address (OWNER_ADDRESS)	Address (Street, City, State, Zip Code)	1	20	118	137	AN	Record the address of the vehicle owner.
Owner City (OWNER_CITY)	Address (Street, City, State, Zip Code)	1	15	138	152	AN	Record the city of the vehicle owner.
Owner State (OWNER_STATE)	Address (Street, City, State, Zip Code)	1	2	153	154	AN	Record the state of the vehicle owner.
Owner Zip (OWNER_ZIP)	Address (Street, City, State, Zip Code)	1	9	155	163	N	Record the zip of the vehicle owner.
Vehicle Year (VEHICLE_YEAR)	Year	1	4	164	167	N	Enter the model year of the vehicle using 4 digits. (Example: 1999, 2000, 2005)
Vehicle Make (VMA) (VEHICLE_MAKE)	Make	1	4	168	171	AN	The make given by the manufacturer to a line of vehicles. Make/Model Lookup Table (MAKE_CODE)
Vehicle Model (VMO) (VEHICLE_MODEL)	Model	1	3	172	174	AN	The model name or numbers given by the manufacturer to a model of vehicle. Make/Model Lookup Table (MODEL_CODE)
Vehicle Color (VEHICLE_COLOR)	Color	1	3	175	177	AN	List the color of the vehicle using general colors. Vehicle Color Lookup Table (COLOR_CODE)
Insurance (INSURANCE_FLAG)	Insurance Company	1	1	178	178	N	1 = Insurance Name Present 2 = No Insurance 3 = None listed
Insurance Company (INSURANCE_COMPANY)	Insurance Company	1	20	179	198	AN	The insurance carrier and/or agent which insures the liability of the owner/operator. Use "NONE" if financial responsibility is not proven. For a non-motorist use "NA"
Towing Service (TOWING_FLAG)	Towing Service	1	1	199	199	N	Towed 1 = Yes 2 = No
Towing Service (TOWING_SERVICE)	Towing Service	1	20	200	219	AN	If vehicle was removed by a wrecker, record the name of the towing company.
Owner Phone (OWNER_PHONE)	Owner Phone	1	10	220	229	N	Enter motorist/non-motorist work telephone number including area code.
Non-Motorist Location Prior to Impact	Non-Motorist Location	2	2	230	231	Ν	Non-Motorists location in the roadway prior to impact.

UNITS				-			
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
(NON_MOTORIST_LOCATION)							01 = Marked crosswalk at intersection 02 = At intersection but no crosswalk 03 = Non-intersection crosswalk 04 = Driveway access crosswalk 05 = In roadway 06 = Not in roadway 07 = Median (but no on shoulder) 08 = Island 09 = Shoulder 10 = Sidewalk 11 = Within 10 feet of roadway (but not shoulder, median, Sidewalk, or island) 12 = Beyond 10 feet of roadway(within trafficway) 13 = Outside trafficway 14 = Shared use paths or trails 15 = Unknown
Type Of Unit (UNIT_TYPE)	Type Of Unit	2	2	232	233	N	Indicate type of unit – motorist/non-motorist. <u>Motorist</u> 01 = Sub-Compact 02 = Compact 03 = Mid Size 04 = Full Size 05 = Minivan 06 = Sport Utility Vehicle 07 = Pickup 08 = Panel/Van 09 = Single Unit Truck; 2 Axles, 6 Tires 10 = Single Unit Truck; 3 Or More Axles 11 = Truck/Trailer 12 = Truck Tractor (Bobtail) 13 = Tractor/Semi-Trailer 14 = Tractor/Double – Short 15 = Tractor/Double – Long 16 = Fifth Wheel Or Converter Dolly 17 = Tractor/Triples

UNITS							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							 18 = Motorcycle 19 = Motorized Bicycle 20 = School Bus 21 = Church Bus 22 = Public Bus 23 = Other Bus 24 = Police Vehicle 25 = Fire Truck 26 = Ambulance/Rescue 27 = Taxi 28 = Motor Home 29 = Train 30 = Farm Vehicle 31 = Farm Equipment 32 = Snowmobile 33 = Construction Equipment 34 = All Others Non-motorist 35 = Animal W/Rider 36 = Animal W/Rider 38 = Pedestrian 39 = Pedalcyclist (bicycle, tricycle, unicycle, pedal car) 40 = Skater 41 = Other-non motorist (wheelchair, etc) 42 = Unknown
Emergency Use (EMERGENCY_USE)	In Emergency Response	2	1	234	234	N	Indicates vehicles such as military, police, ambulance, fire, volunteer fire, etc., which are on an emergency response. Code only yes if the vehicle was on an emergency response with emergency signals in use. 1 = No 2 = Yes 3 = Unknown
Damage Scale (DAMAGE_SCALE)	Damage Scale	2	1	235	235	N	Estimate of total damage to vehicle as result of crash. 1 = None

UNITS							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							2 = Non-Functional
							3 = Functional Damage
							4 = Disabling Damage
							5 = Severe
							6 = Unknown
Damage Area - Center Front	Damage Area (image)	2	1	236	236	N	Shaded area of image (02) - Center Front
(DAMAGE_AREA_02)							1 = Checked/Marked
							2 = Unchecked/Not Marked
Damage Area - Right Front	Damage Area (image)	2	1	237	237	Ν	Shaded area of image (03) - Right Front
(DAMAGE_AREA_03)							1 = Checked/Marked
							2 = Unchecked/Not Marked
Damage Area - Right Side	Damage Area (image)	2	1	238	238	Ν	Shaded area of image (04) - Right Side
(DAMAGE_AREA_04)							1 = Checked/Marked
							2 = Unchecked/Not Marked
Damage Area - Right Rear	Damage Area (image)	2	1	239	239	Ν	Shaded area of image (05) - Right Rear
(DAMAGE_AREA_05)							1 = Checked/Marked
							2 = Unchecked/Not Marked
Damage Area - Rear Center	Damage Area (image)	2	1	240	240	Ν	Shaded area of image (06) - Rear Center
(DAMAGE_AREA_06)							1 = Checked/Marked
							2 = Unchecked/Not Marked
Damage Area - Left Center	Damage Area (image)	2	1	241	241	Ν	Shaded area of image (07) - Left Center
(DAMAGE_AREA_07)							1 = Checked/Marked
							2 = Unchecked/Not Marked
Damage Area - Left Side	Damage Area (image)	2	1	242	242	Ν	Shaded area of image (08) - Left Side
(DAMAGE_AREA_08)							1 = Checked/Marked
							2 = Unchecked/Not Marked
Damage Area - Left Front	Damage Area (image)	2	1	243	243	Ν	Shaded area of image (09) - Left Front
(DAMAGE_AREA_09)							1 = Checked/Marked
							2 = Unchecked/Not Marked
Damage Area - Top and Windows	Damage Area (image)	2	1	244	244	Ν	Shaded area of image (10) - Top and Windows
(DAMAGE_AREA_10)							1 = Checked/Marked
							2 = Unchecked/Not Marked
Damage Area	Most Damaged Area	2	2	245	246	Ν	Record the area with the most damage.
(DAMAGE_AREA)			1				01 = None
							02 = Center Front

UNITS							
Field Description	Title on Crash	Pg #	Size	Start Position	End Position	Data Type	Description/Values
	Report	"		1 OSIGION	residen	Type	
							03 = Right Front
							04 = Right Side
							05 = Right Rear
							06 = Rear Center
							07 = Left Rear
							10 = I op And Windows
							11 = Undercarriage
							12 = Load/I railer
							13 = Total (All Areas)
							14 = Other
		_	_				15 = Unknown
Point of Impact	Point of Impact	2	2	247	248	N	List the portion of the vehicle that first impacted in the crash.
(POINT_OF_IMPACT)							01 = None
							02 = Center Front
							03 = Right Front
							04 = Right Side
							05 = Right Rear
							06 = Rear Center
							07 = Left Rear
							08 = Left Side
							09 = Left Front
							10 = Top And Windows
							11 = Undercarriage
							12 = Load/Trailer
							13 = Total (All Areas)
							14 = Other
							15 = Unknown
Action	Action	2	1	249	249	N	Action of Motorist/Non-motorist. Action does not imply fault.
(ACTION)							Non-contact includes motorists / non-motorists that are directly
							involved in the crash with no contact between units. Non
							collision is a vehicle directly involved without striking or being
							struck by another unit (fire, immersion, overturning, jackknife,
							carbon monoxide poisoning, etc.)

UNITS							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							1 = Non-contact 2 = Non-collision 3 = Striking 4 = Struck 5 = Both striking and struck 6 = Unknown
Underride/Override (STRIKING_VEHICLE_OU)	Striking Vehicle: Override/Underride	2	1	250	250	N	 Override: Striking vehicle slides over another vehicle. Underride: Striking vehicle slides under another vehicle. Striking Vehicle Only. 1 = No underride or override 2 = Underride, compartment intrusion 3 = Underride, no compartment intrusion 4 = Underride, compartment intrusion unknown 5 = Override, motor vehicle in transport 6 = Override, other vehicle 7 = Unknown if underride or override
Pre-Crash Actions (PRE_CRASH_ACTIONS)	Pre-Crash Actions	2	2	251	252	N	What the motorist / non-motorist was doing immediately prior to the crash. <u>Motorist</u> 01 = Movements Essentially Straight Ahead 02 = Backing 03 = Changing Lanes 04 = Overtaking/Passing 05 = Turning Right 06 = Turning Left 07 = Making U-Turn 08 = Entering Traffic Lane 09 = Leaving Traffic Lane 10 = Parked 11 = Slowing Or Stopped In Traffic 12 = Driverless 13 = Other 14 = Unknown <u>Non-Motorist Action</u> 15 = Entering or crossing specified Location

UNITS							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							 16 = Walking, running, jogging, playing, cycling 17 = Working 18 = Pushing vehicle 19 = Approaching or leaving vehicle 20 = Playing or working on vehicle 21 = Standing 22 = Other 23 = Unknown
Contributing Circumstances, Motorist/Non-Motorist (CIRCUMSTANCES)	Circumstances	2	2	253	254		 The actions of the motorist / non-motorist which contributed to the crash. <u>Motorist</u> 01 = None 02 = Failure to Yield 03 = Ran Red Light, or Stop Sign 04 = Exceeded Speed Limit 05 = Unsafe Speed 06 = Improper Turn 07 = Left of Center 08 = Followed Too Closely/ACDA 09 = Improper Lane Change/ Drove Off Road/ Improper Passing 10 = Improper Backing 11 = Improper Start From Parked Position 12 = Stopped or Parked Illegally 13 = Operating Vehicle In Erratic, Reckless, Careless, Negligent Or Aggressive Manner 14 = Swerving to Avoid (Due To Wind, Slippery Surface, Vehicle, Object, Non-Motorist in Roadway, Etc) 15 = Failure to Control 16 = Vision Obstruction 17 = Driver Inattention 18 = Fatigue/Asleep

JNITS										
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values			
							19 = Operating Defective Equipment 20 = Load Shifting/Falling/Spilling 21 = Other Improper Action 22 = Unknown <u>Non-motorist</u> 23 = None 24 = Improper Crossing 25 = Darting 26 = Lying And/Or Illegally In Roadway 27 = Failure To Yield Right Of Way 28 = Not Visible (Dark Clothing) 29 = Inattentive 30 = Failure To Obey Traffic Signs, Signals, Or Officer 31 = Wrong Side Of The Road 32 = Other 33 = Unknown			
Vehicle Defects (VEHICLE_DEFECTS)	Vehicle Defect	2	2	255	256	Ν	If Contributing Circumstances is coded as a "19=Operating Defective Equipment", then record the type of defect that contributed to the crash. 01 = Turn Signals 02 = Head Lamps 03 = Tail Lamps 04 = Brakes 05 = Steering 06 = Tire Blowout 07 = Worn Or Slick Tires 08 = Trailer Equipment Defective 09 = Motor Trouble 10 = Disabled From Prior Accident 11 = Other Defects			
Sequence Of Events – 1 (SEQUENCE_EVENT1)	Sequence Of Events	2	2	257	258	N	Record the events in sequence for this vehicle. Enter as many as 4 events (<i>Sequence of Events - 1,2,3,4</i>) including the most harmful event, and the first harmful event in the order they occurred. If the number of events exceeds 4, list the 4 most			

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UNITS							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							harmful events. A harmful event is defined as an event that
							causes property damage, injury or death.
							Example#1 : A car leaves the right side of road, strikes a tree.
							overturning. Code would be: 08.44.01.
							Example#2 . A car strikes another vehicle in the rear. Code
							would be: 20
							Example#3 : Right front tire blowout car leaves right side of
							road striking ditch. Code would be: 06.08.40
							Example#4 : A car leaves the right side of road leaving left side
							of roadway, overturning and catching fire. Code would be:
							08 09 01 02
							00,00,01,02.
							Non-Collision
							01 = Overturn/Rollover
							02 = Fire/Fxplosion
							03 = Immersion
							04 = .lackknife
							05 = Cargo/Equipment Loss Or Shift
							06 = Equipment Failure (Blown Tire, Brake Failure, Etc.)
							07 = Separation Of Units
							08 = Ran Off Road Right
							09 = Ran Off Road Left
							10 = Cross Median/Centerline
							11 = Downhill Runaway
							12 = Other Non-Collision
							13 = Unknown Non-Collision
							Collision w/Person.Vehicle.Or Object Not Fixed
							14 = Pedestrian
							15 = Pedalcvcle
							16 = Railway Vehicle (E.G. Train, Engine)
							17 = Animal – Farm
							18 = Animal – Deer
							19 = Animal – Other
							20 = Motor Vehicle In Transport
							21 = Parked Motor Vehicle

UNITS							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
	-						22 = Work Zone Maintenance Equipment
							23 = Other Movable Object
							24 = Unknown Movable Object
							Collision With Fixed Object
							25 = Impact Attenuator/Crash Cushion
							26 = Bridge Overhead Structure
							27 = Bridge Pier Or Abutment
							28 = Bridge Parapet
							29 = Bridge Rail
							30 = Guardrail Face
							31 = Guardrail End
							32 = Median Barrier
							33 = Highway Traffic Sign Post
							34 = Overhead Sign Post
							35 = Light/Luminaries Support
							36 = Utility Pole
							37 = Other Post, Pole Or Support
							38 = Culvert
							39 = Curb
							40 = Ditch
							41 = Embankment
							42 = Fence
							43 = Mailbox
							44 = Tree
							45 = Other Fixed Object (Wall, Building, Tunnel, Etc
							46 = Work Zone Maintenance Equipment
							47 = Unknown Fixed Object
							48 = Other
							49 = Unknown
							Select Up To 4 In The Sequence Of Events
Sequence Of Events – 2	Sequence Of Events	2	2	259	260	Ν	See Sequence of Events - 1
(SEQUENCE_EVENT2)							
Sequence Of Events – 3	Sequence Of Events	2	2	261	262	Ν	See Sequence of Events - 1
(SEQUENCE_EVENT3)							
Sequence Of Events – 4	Sequence Of Events	2	2	263	264	Ν	See Sequence of Events - 1

Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values		
(SEQUENCE_EVENT4)	-								
First Harmful Event (FIRST_HARMFUL_EVENT)	First Harmful Event	2	2	265	266	N	Record the number (1,2,3,4) from the sequence of events that produced the first property damage, injury, or death. Sequence of Events Example #1: The first harmful event (FHE) was striking the tree. The tree was recorded in SEQUENCE_EVENT2. The FHE would then be a 02. Sequence of Events Example #2: The FHE was striking the vehicle in the rear. This was recorded in SEQUENCE_EVENT1. The FHE would then be a 1. Sequence of Events Example #3: The FHE was the blown front tire. This was recorded in SEQUENCE_EVENT1. The first harmful event would then be a 01. Sequence of Events Example #4: The FHE was the vehicle overturning. This was recorded in SEQUENCE_EVENT3. The first harmful event would then be a 03. 01 = Of the 4 Listed Sequence of Events - 1 is the FHE 02 = Of the 4 Listed Sequence of Events - 2 is the FHE 03 = Of the 4 Listed Sequence of Events - 3 is the FHE 04 = Of the 4 Listed Sequence of Events - 4 is the FHE		
Most Harmful Event (MOST_HARMFUL_EVENT)	Most Harmful Event	2	2	267	268	N	Record the number (1,2,3,4) from the sequence of events that produced the most severe injury or death. If injury occurs, record the event that caused the most serious injury or death. Injuries always superseded property damage. If only property damage occurs, record the number from the sequence of events that caused greatest degree of damage. 1 = Of the 4 Listed Sequence of Events - 1 is the MHE 2 = Of the 4 Listed Sequence of Events - 2 is the MHE 3 = Of the 4 Listed Sequence of Events - 3 is the MHE 4 = Of the 4 Listed Sequence of Events - 4 is the MHE 5 = Unknown		
Speed Detected (SPEED_DETECTED)	Speed Detected	2	1	269	269	N	Indicate how the vehicle speed was detected. 1 = Stated 2 = Estimated Speed		

UNITS							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
Unit Speed (UNIT_SPEED)	Speed	2	3	270	272	N	Record the vehicles estimated speed in miles per hour based on drivers statement, or officers estimate.
Posted Speed (POSTED_SPEED)	Posted Speed	2	2	273	274	N	Posted speed limit for the vehicle at time of crash. The speed limit may vary from normal roadway speed limit when school or construction zones are legally posted.
Traffic Control (TRAFFIC_CONTROL)	Traffic Control	2	2	275	276	N	The type of traffic control device applicable to the motorist / non- motorist at crash location. 01 = No Controls 02 = Stop Sign 03 = Yield Sign 04 = Traffic Signal 05 = Traffic Flashers 06 = School Zone 07 = Railroad Crossbucks 08 = Railroad Flashers 09 = Railroad Gates 10 = Construction Barricade 11 = Police Officer 12 = Pavement Markings 13 = Crosswalk Lines 14 = Walk/Don't Walk 15 = Traffic Control Device Inoperative, Missing, Obscured 16 = Other 17 = Not Reported
Vehicle- Non-motorist Direction -From (VEHICLE_DIRECTION_FROM)	Direction	2	1	277	277	N	Indicate motorist / non-motorists direction from. Example: A vehicle headed north on Vine Street turning west on 6 th Street would be recorded as from "1". 1 = North 2 = South 3 = East 4 = West 5 = Northeast 6 = Northwest 7 = Southeast 8 = Southwest

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OHIO DEPARTMENT OF PUBLIC SAFETY ECS Documentation

JNITS										
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values			
	-						9 = Unknown			
Vehicle- Non-motorist Direction –To (VEHICLE_DIRECTION_TO)	Direction	2	1	278	278	N	Indicate motorist / non-motorists direction to. Example: A vehicle headed north on Vine Street turning west on 6 th Street would be recorded as to "4". 1 = North 2 = South 3 = East 4 = West 5 = Northeast 6 = Northwest 7 = Southeast 8 = Southwest 9 = Unknown			
Carrier Name (CARRIER_NAME)	Company (From Shipping Papers)	3	20	279	298	AN	Enter the carrier's company name.			
Carrier Phone (CARRIER PHONE)	Company Phone	3	10	299	308	N	Enter the carrier's company phone number.			
Carrier Address (CARRIER_ADDRESS)	Carrier Address (Street)	3	20	309	328	AN	Enter the carrier's company street address.			
Carrier City (CARRIER_CITY)	Carrier City	3	15	329	343	AN	Enter the carrier's company city.			
Carrier State (CARRIER_STATE)	Carrier State	3	2	344	345	AN	Enter the carrier's company state.			
Carrier Zip (CARRIER_ZIP)	Carrier Zip Code	3	9	346	354	N	Enter the carrier's company zip.			
US DOT (US_DOT)	US DOT	3	7	355	361	AN	The US DOT census number of carrier.			
ICC MC (ICC_MC)	ICC MC	3	6	362	367	AN	The ICC MC number of carrier.			
PUCO (PUCO)	PUCO	3	6	368	373	AN	The PUCO number of carrier.			
Commercial Trailer Registration State (TRAILER_REG_STATE)	Trailer LP State	3	2	374	375	AN	The 2 digit code of the commercial trailer registration state. Example: OH, KY, IN.			
Commercial Trailer Registration Year	Trailer LP Year	3	4	376	379	Ν	The 4 digit year of the commercial trailer license plate. Example:			

Page 34

JNITS										
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values			
(TRAILER_REG_YEAR)							1999, 2000, 2005			
Commercial Trailer License Plate Number (TRAILER_PLATE)	Trailer LP #	3	8	380	387	AN	The commercial trailer registration plate number.			
Placard Number (HAZARD_PLACARD_NUM)	Placard #	3	4	388	391	AN	4- digit placard number or name taken from the middle of the diamond or the rectangle box			
Number From Diamond (DIAMOND_PLACARD_NUM)	# Dia.	3	1	392	392	N	1-digit placard number from bottom of diamond			
Cargo Body Type (CARGO_BODY_TYPE)	Cargo Body Type	3	2	393	394	N	Body type of bus or trucks over 10,000 GVWR (gross vehicle weight rating). 01 = Not Applicable 02 = Bus (Seats More Than 15 People, Including Driver) 03 = Van/Enclosed Box 04 = Grain/Chips/Gravel 05 = Pole 06 = Cargo Tank 07 = Flatbed 08 = Dump 09 = Concrete Mixer 10 = Auto Transporter 11 = Garbage/Refuse 12 = Other 13 = Unknown			
Weight (WEIGHT)	Weight (GVWR)	3	1	395	395	N	The gross vehicle weight rating (GVWR) is the maximum weight a vehicle can carry including the truck and it's load. 1 = Less Than Or Equal To 10,000 Pounds 2 = 10,001 - 26,000 3 = More Than 26,000			
CDL Class (CDL_CLASS)	CDL Class	3	1	396	396	N	The CDL class of the driver. 1 = Class A 2 = Class B 3 = Class C 4 = Class M			

UNITS							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							5 = Class D
Did have Hazardous Materials Placard? (HAZARD_PLACARD)	Hazardous Materials Placard	3	1	397	397	N	Did the vehicle have hazardous materials placard? 1 = No 2 = Yes 3 = Unknown
Hazardous Material Released (HAZARDOUS_SPILL)	Hazardous Material Released	3	1	398	398	N	Were hazardous materials released from cargo compartment? 1 = No – Hazardous Materials Not Released 2 = Yes – Hazardous Materials Released 3 = Not Applicable 4 = Unknown

TL 398
PEOPLE							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
Record Type		-	1	1	1	AN	Code 'P' for People
Reporting Agency NCIC (NCIC)	N.C.I.C #	1	5	2	6	AN	See CRASH - NCIC Description
Date/Time of Crash (DATE_OF_CRASH)	Date/Time of Crash	1	12	7	18	N	See CRASH - DATE_OF_CRASH Description MMDDYYYYHHMI
Local Report Number (LOCAL_REPORT_NUM)	Local Report#	1	10	19	28	AN	See CRASH - LOCAL_REPORT_NUM Description
Unit Number (UNITNO)	Unit #	1	2	29	30	N	See UNIT - UNITNO Description.
Type of Person (PERSON_TYPE)		-	1	31	31	AN	Type of Person D = Driver O = Occupant P = Pedestrian
Motorist / Non-Motorist First Name (FIRST_NAME)	Name (First)	1	15	32	46	AN	First name of Motorist / Non-Motorist.
Motorist / Non-Motorist Middle Name (MIDDLE_NAME)	Name (Middle)	1	15	47	61	AN	Middle Name of Motorist / Non-Motorist.
Motorist / Non-Motorist Last Name (LAST_NAME)	Name (Last)	1	25	62	86	AN	Last Name of Motorist / Non-Motorist.
Motorist / Non-Motorist Address (ADDRESS)	Address (Street, City, State, Zip Code)	1	20	87	106	AN	Address of Motorist / Non-Motorist.
Motorist / Non-Motorist City (CITY)	Address (Street, City, State, Zip Code)	1	15	107	121	AN	City of Motorist / Non-Motorist.
Motorist / Non-Motorist State (STATE)	Address (Street, City, State, Zip Code)	1	2	122	123	AN	State of Motorist / Non-Motorist.
Motorist / Non-Motorist Zip (ZIP)	Address (Street, City, State, Zip Code)	1	9	124	132	N	Zip of Motorist / Non-Motorist.
Motorist / Non-Motorist SSN (SSN)	Social Security Number	1	9	133	141	AN	Social Security Number of Motorist / Non-Motorist. This information is mandatory for the crash report. If subject refuses to produce SSN, take no arrest or citation action for this refusal.
Motorist / Non-Motorist Date of Birth (DOB)	Date of Birth	1	8	142	149	N	Numerical date of birth of the motorist / non-motorist using the following format: "MMDDYYYY". <i>Example: August 14, 2005 is recorded as 08121005.</i>

PEOPLE										
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values			
Motorist / Non-Motorist Age (AGE)	Age	2	2	150	151	N	Age of motorist / non-motorist using 2 digits. <i>Example: 06, 15, 77. (Less than 1 year old enter "00", older than 99 enter "99").</i>			
Motorist / Non-Motorist Sex (GENDER)	Sex	1	1	152	152	AN	Sex of the motorist / non-motorist. F = Female M = Male U = Unknown			
Motorist / Non-Motorist Home Phone (HOME_PHONE)	Home Phone #	1	10	153	162	N	Motorist / non-motorist home telephone number including area code.			
Motorist / Non-Motorist Work Phone (WORK_PHONE)	Work Phone #	1	10	163	172	N	Motorist / non-motorist work telephone number including area code.			
State of Issue License (DL_STATE)	DL State	1	2	173	174	AN	Write the 2 digit code of driver license state of issuance. <i>Example: OH, KY, IN.</i> State Lookup Table			
Drivers License Number (DL_NUMBER)	DL #	1	10	175	184	AN	Driver license number for the motorist.			
Transported to Medical Facility By (MEDICAL_TRANSPORT_BY)	Injured Taken By	1	1	185	185	N	Mode of transportation to medical facility. 1 = Not Transported 2 = EMS 3 = Police 4 = Other 5 = Unknown			
Name of Medical Facility Injured Taken To (TRANSPORTED_BY)	Transported By	1	20	186	205	AN	List who transported the patient to the medical facility. <i>Example: Rescue 38</i>			
Name of Medical Facility Injured Taken To (INJURED_TAKEN_TO)	Injured Taken To	1	20	206	225	AN	The medical facility receiving the patient. <i>Example: University Hospital</i>			
Offense Charged (OFFENSE_CHARGED)	Offense Charged	1	10	226	235	AN	One offense per unit (the causative offense). The offense number charged to motorist/non-motorist that directly related to the crash. <i>Example: 4511.202</i>			
Offense Description (OFFENSE_DESCRIPTION)	Offense Description	1	20	236	255	AN	One offense per unit (the causative offense). The offense charged to motorist/non-motorist that directly related to the crash. <i>Example: Failure to Control</i> . List only (the causative offense, list other offenses in the narrative.)			

Page 38

PEOPLE					-		
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
Citation Number	Citation #	1	11	256	266	AN	Number From Uniform Ticket
(CITATION_NUMBER)							One offense per unit (the causative offense). The citation
							number charged to motorist/non-motorist that directly related to
		_					the crash. List all letters and/or numbers of the citation number.
Citation Local Code	Local Code? X if Yes	1	1	267	267	N	Was a City Ordinance or Township Code used instead of an
(CITATION_LOCAL_CODE)							ORC Section. Leave blank if ORC is used.
							1 = No
		<u> </u>	_			<u> </u>	
Seating Position	Seating Position	1	2	268	269	N	The location of this occupant in, or outside of the vehicle prior to
(SEATING_POSITION)							the crash. Leave blank for witnesses.
							01 = Front Seat - Left Side (Motorcycle Driver)
							02 = Front Seat - Middle
							103 = Front Seat - Right Side
							04 = Second Seat - Left Side (Motorcycle Passenger)
							US = Second Seat - Middle
							00 = Second Seal - Right Side
							08 - Third Row - Middle
							100 = Third Row = Niddle
							10 = Sleeper Section Of Cab (Truck)
							11 = Passenger In Other Enclosed Passenger Of Cargo Area
							(Non Trailing Unit Such As A Bus, Etc)
							12 = Passenger In Unenclosed Passenger Of Cargo Area
							13 = Trailing Unit
							14 = Riding On Vehicle Exterior (Non-Trailing Unit)
							15 = Other
							16 = Non-Motorist
							17 = Unknown
Safety Equipment Used	Safety Equipment	1	2	270	271	Ν	Safety restraint equipment in use by the occupant at the time of
(SAFETY_EQUIP_USED)							the crash. Includes motorcycle helmet for cyclists and safety
							equipment used by a non-motorist.
							<u>Motorist</u>
							01 = None Used – Vehicle Occupant
							02 = Shoulder Belt Only Used
			1	1			03 = Lap Belt Only Used

Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							04 = Shoulder And Lap Belt Used 05 = Child Safety Seat Used
							06 = Helmet Used
							07 = Restraint Use Unknown
							Non-motorist
							08 = None Used
							09 = Helmet used
							10 = Protective pads used (elbows, knees, shins, etc)
							11 = Reflective clothing
							12 = Lighting
							13 = Other
							14 = Unknown
Air Bag Usage	Air Bag	1	1	272	272	Ν	Deployment status of an air bag protecting this occupant.
(AIR_BAG_USAGE)							1 = Not-Deployed
							2 = Deployed-Front
							3 = Deployed-Side
							4 = Deployed Both Front/Side
							5 = Not Applicable
							6 = Deployment Unknown
Air Bag Switch Status	Air Bag Switch	1	1	273	273	N	Indicate air bag switch status.
(AIR_BAG_SWITCH)							1 = On-Off Switch Not Present
							2 = Switch In On Position
							3 = Switch In Off Position
		-		074	074		
	Ejection	1	1	274	274	N	Record ejection code for occupant.
(EJECTION)							1 = NOT EJECTED
							2 = 1 otally Ejected
							3 = Parlially Ejected
							4 = Not Applicable
Trannad	Trannad	1	1	075	075	N	D = UTIKTIOWT
	Trapped	1		275	275	IN	vehicle due to vehicle demoge
(TRAFFED)							1 – Net tropped
							12 – Extricated By Mechanical Means
							2 - Excitoated by Mechanical Means
		1	1	1	1	1	

PEOPLE										
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values			
							4 = Unknown			
Injuries	Injuries	1	1	276	276	Ν	The injury level of occupant involved in crash.			
(INJURIES)							1 = No Injury			
							2 = Possible			
							3 = Non-Incapacitating			
							4 = Incapacitating			
							5 = Fatal Injury			
							6 = Unknown			
Condition	Condition	2	1	277	277	N	The motorist / non-motorist apparent condition at time of crash.			
(CONDITION)							1 = Apparently Normal			
							2 = Physical Impairment			
							3 = Emotional (E.G., Depressed, Angry, Disturbed)			
							4 = Illness			
							5 = Fell Asleep, Fainted, Fatigued, Etc			
							6 = Under The Influence Of Medications/Drugs/Alcohol			
							7 = Other			
							8 = Unknown			
Alcohol/Drug Suspected	Alcohol/Drug	2	1	278	278	N	Investigating Officer's assessment of alcohol or drub use by the			
(ALCOHOL_DRUGS_SUSPECTED)	Suspected						motorist / non-motorist.			
							1 = None			
							2 = Yes – Alcohol Suspected			
							3 =Yes – HBD Not Impaired			
							4 =Yes – Drugs Suspected			
							5 =Yes – Alcohol And Drugs Suspected			
		_					6 =Unknown			
Alcohol Test Status	Alcohol Test Status	2	1	279	279	N	Status of the alcohol chemical test performed.			
(ALCOHOL_TEST_STATUS)							1 = None Given			
							2 = Test Refused			
							3 = Test Given, Contaminated Sample/Unusable			
							4 = Test Given, Results Known			
							5 = Test Given, Results Unknown			
	 		-	-			6 = Unknown			
Type Of Test	Alcohol Test Type	2	1	280	280	N	Indicate specimen type for alcohol test performed.			
(ALCOHOL_TEST_TYPE)							1 = None			
							2 = Blood			

PEOPLE										
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values			
							3 = Urine 4 = Breath 5 = Other			
Actual Alcohol Test Value (ALCOHOL_TEST_VALUE)	Alcohol Test Result	2	3	281	283	N	Enter the three digits of any alcohol concentration known. <i>Example: An alcohol result of .14% would be recorded as 140.</i> If no test is given, leave blank. Leave blank for test refusal. Supplement late results to ODPS.			
Drug Test Status (DRUGS_TEST_STATUS)	Drug Test Status	2	1	284	284	N	Status of the drug chemical test performed. 1 = None Given 2 = Test Refused 3 = Test Given, Contaminated Sample/Unusable 4 = Test Given, Results Known 5 = Test Given, Results Unknown 6 = Unknown			
Drug Test Type (DRUGS_TEST_TYPE)	Drug Test Type	2	1	285	285	N	Indicate specimen type for drug test performed. 1 = None 2 = Blood 3 = Urine 4 = Other			
Drug Test Result – 1 (DRUGS_TEST_RESULT1)	Drug Test 1&2 Result	2	1	286	286	N	Indication of drug presence through drug screening. First drug detected from list below. Leave blank for test refusal. Supplement late results to ODPS. 1 = None 2 = Marijuana 3 = Cocaine 4 = Opiates 5 = Amphetamines 6 = PCP 7 = Other 8 = Unknown at Time of Reporting			
Drug Test Result – 2 (DRUGS_TEST_RESULT2)	Drug Test 1&2 Result	2	1	287	287	N	Indication of drug presence through drug screening. Second drug detected from list below. Leave blank for test refusal. Supplement late results to ODPS. 1 = None 2 = Marijuana			

Page 42

PEOPLE							
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values
							 3 = Cocaine 4 = Opiates 5 = Amphetamines 6 = PCP 7 = Other 8 = Unknown at Time of Reporting

TL 287

Page 43

WITNESS											
Field Description	Title on Crash Report	Pg #	Size	Start Position	End Position	Data Type	Description/Values				
Record Type		-	1	1	1	AN	Code 'W' for Witness				
Reporting Agency NCIC (NCIC)	N.C.I.C #	1	5	2	6	AN	See CRASH - NCIC Description				
Date/Time of Crash (DATE_OF_CRASH)	Date/Time of Crash	1	12	7	18	N	See CRASH - DATE_OF_CRASH Description MMDDYYYYHHMI				
Local Report Number (LOCAL_REPORT_NUM)	Local Report#	1	10	19	28	AN	See CRASH - LOCAL_REPORT_NUM Description				
Witness First Name (FIRST_NAME)	Name (First)	1	15	29	43	AN	First name of Witness.				
Witness Middle Name (MIDDLE_NAME)	Name (Middle)	1	15	44	58	AN	Middle Name of Witness.				
Witness Last Name (LAST_NAME)	Name (Last)	1	25	59	83	AN	Last Name of Witness.				
Witness Address (ADDRESS)	Address (Street, City, State, Zip Code)	1	20	84	103	AN	Address of Witness.				
Witness City (CITY)	Address (Street, City, State, Zip Code)	1	15	104	118	AN	City of Witness.				
Witness State (STATE)	Address (Street, City, State, Zip Code)	1	2	119	120	AN	State of Witness.				
Witness Zip (ZIP)	Address (Street, City, State, Zip Code)	1	9	121	129	N	Zip of Witness.				
Witness Phone	Phone	1	10	130	139	Ν	Phone Number of Witness.				
		TL	139								

¹ Required field indicates if value for field are required or not. 'Y' indicates value must be supplied however 'N' represents "NO" with condition that a business rule can override this answer. An example of this instance would be Miles_From_Referenc field, which is not required but must be supplied if a reference point is used.

² These fields are not required unless a commercial vehicle is being reported. Please refer to commercial vehicle related business rules in business rules section.

CRASH DATA FILE NAMING SPECIFICATIONS:

Crash data files submitted should follow the following naming specification. Following this naming specification for crash data file is not mandatory:

CRASH DIAGRAM SPECIFICATIONS:

All crash diagrams submitted via web service must follow the given guidelines below. If image supplied does not follow any of the requirements given, the crash record will not be inserted into ODPS system and will be returned back to the Law Enforcement Agency.

DIAGRAM

DIAGRAM	
Image file File Type: .jpg or Image Size: 240 x Size: <= 100 KB Filename: NCIC -	.tif x 240 pixels + DATE_OF_CRASH + LOCAL_REPORT_NUM (AAAAAMMDDYYYYHHMIAAAAAAAAAAA.JPG)
0 Example 1 ۱	57170103200419452004000287.jpg NCIC = 05717, DATE_OF_CRASH = 01/03/2004 19:45, LOCAL_REPORT_NUM = 2004000287)
Example 2: 0: (N	HP0201162004121502-0037-02.JPG NCIC = OHP02, DATE_OF_CRASH = 01/16/2004 12:15, LOCAL_REPORT_NUM = 02-0037-02)
Example 3: 0 (N	7600010120040136048JPG NCIC = 07600, DATE_OF_CRASH = 01/01/2004_01:36, LOCAL_REPORT_NUM = 048)

ODPS RESPONSE FORMAT:

Crash record received by ODPS is processed and a response is prepared for each crash in the following XML format. The response contains the Local Report Number, NCIC code and crash date & time for the crash record identification if crash has passed initial record validations. Response will not contain these crash identifiers if cases where errors with following codes occur. For description of these error codes please refer Business Rule Validation section.

ERROR_CODE
PRL01
LRN02
LRN01
CRL01
REC01
YNA01
URL01
IWR01
IPR01
IUR01
SCD01
DTC01
NCI01
NCI02

Each response also contains a value for status of the record received. If the record passes through all the validations and successfully inserted in to ODPS database, status returned for that record is set to "SUCCESSFUL". If the record fails to pass the edit checks, the status returned for the record is set to "FAILED". All the errors are specified by error codes under the <ERRORS> element of the response. Error codes are described in the section below.

RESPONSE FORMAT

RESPONSE FORMAT
<crashes></crashes>
<crash></crash>
<localreportnumber>5506111295</localreportnumber>
<ncic>05500</ncic>
<crashdatetime>011920060740</crashdatetime>
<status>SUCCESSFUL/FAILED</status>
<error></error>
<pre><errorcode>DTT01</errorcode></pre>
<description>DESCRIPTION1</description>
<error></error>
<pre><errorcode>DTT02</errorcode></pre>
<description>DESCRIPTION2</description>

BUSINESS RULE VALIDATIONS:

Following is the list of business rule checks and corresponding error codes implemented by ODPS. The error codes are sent back after the crash record is processed in the response document. The response format is described in above section.

Error Code	Task Description	Related Field(s)
SCD01	Internal Error Occurred While Processing Crash Record, Record Not Saved.	Internal Error
YNA01	Crashes for the year of crash supplied are not accepted now.	Date Of Crash
YNA02	1 year old crashes are not accepted.	Date Of Crash
REC01	Multiple crash records found. Only one crash record permitted per transaction.	
CRL01	CrashRecord Length is invalid	Crash Record
LRN01	LOCAL REPORT # cannot be more than 10 characters	Local Report #
LRN02	LOCAL REPORT # is not entered	Local Report #
LRN03	LOCAL REPORT # must be unique for agency and crash year	Local Report # NCIC Date of Crash
CSV01	The CRASH SEVERITY value must be between 1 and 4.	Crash Severity
CSV02	If the CRASH SEVERITY is fatal, at least one Person must have a fatal injury.	Crash Severity Injuries
CSV03	If the CRASH SEVERITY is not listed as fatal, there cannot be a Person with a fatal injury.	Crash Severity Injuries
CSV04	If the CRASH SEVERITY is fatal, the DIAGRAM is required. All other cases diagram is required <u>EXCEPT</u> when UNIT IN ERROR = 98	Crash Severity Diagram Unit in Error
CSV05	If the CRASH SEVERITY is injury, at least one Person must have an injury.	Crash Severity Injuries
CSV06	If the CRASH SEVERITY is PDO, there cannot be any Person with an injury or fatality.	Crash Severity Injuries
CSV07	If the CRASH SEVERITY is unknown, there cannot be any Person with an injury or fatality.	Crash Severity Injuries

Error Code	Task Description	Related Field(s)
PVP01	PRIVATE PROPERTY crashes for non-OSHP are not added to the Crash production databases.	Private Property
HSK01	Hit/Skip must be 1-4	Hit/Skip
PHT01	The PHOTOS TAKEN field must be Y=Yes or N=No	Photos Taken
NCI01	The NCIC # cannot be blank	NCIC #
NCI02	The NCIC # value was not found in the list of valid codes	NCIC #
NUT01	The number of units filled out for the report must match the # UNITS entered on Report Page 1, not counting Witness.	# Units
UIE01	The UNIT IN ERROR must be one of the units reported as being involved in the crash, an Animal (98), or Unknown (99)	Unit Error
UIE03	The UNIT IN ERROR for the Crash must exist.	Unit Error #Unit Units reported
DOC01	The DATE OF CRASH cannot be greater than the DATE CRASH REPORTED.	Date of Crash Crash Report Date
DTC02	The DATE/TIME OF CRASH must be a valid.	Date of Crash
TOC01	The TIME OF CRASH cannot be greater than the TIME RECEIVED CALL.	Time of Crash Time Rec Call
CVT01	CITY, VILLAGE, TWP should not be empty. Must be 1, 2 or 3.	City/Village/Township
CTY01	The CITY was not found for given NCIC and County (FIPS_PLACE TABLE)	Name of city village township County # NCIC #
COY01	COUNTY # where Crash occurred must be between 1 and 88 or 99.	County #
LAT01	LATITUDE MUST be in the following format. (DD:MM:SS.SS).	Latitude
LAT02	LATITUDE Must be numeric	Lattitude
LAT03	The LATITUDE is not valid for the county.	Latitude County #
LAT04	When valid LATITUDE is provided, a valid LONGITUDE must be provided also.	Latitude Longitude
LAT05	LATITUDE must be between 1 and 59.	Latitude
LON01	LONGITUDE MUST be in the following format, (DDD:MM:SS.SS).	Longitude
LON02	When a valid LONGITUDE is provided, valid LATITUDE must be provided also.	Longitude Latitude

Error Code	Task Description	Related Field(s)
LON03	Longitude must be numeric	Longitude
LON04	The LONGITUDE is not valid for the COUNTY #.	Longitude County #
LON05	The LONGITUDE must be between 1 and 59.	
LOC01	Crash location or location field can not contain '-'.	Type Location Point Used Crash Location Road Type Crash Location
LOC02	The Crash PREFIX value must be 'N', 'S', 'E', 'W' or blank	Crash occurred on Prefix
LOC03	The CRASH LOCATION must contain a 4 digit road number (a 5th alpha character is allowed when necessary) when Type of Location is numbered route.	Crash Location Type Location Point Used
LOC04	CRASH LOCATION is a required field	Crash Location
LOC05	The TYPE LOCATION for 'Crash Occurred On' is Named or Numbered street, but a valid Street/Route type not selected.	Crash Location Type Location Point Used
LOC06	The CRASH LOCATION ROAD TYPE must be valid (see appendix A of the Crash Export Documentation)	Type Location Point Used Street Designation
LOC07	When Type Location is Numbered Street, Crash Loc Name must begin with 4 digits and may be followed by ST, ND, RD or TH.	Crash Location Road Type Type Location Point Used
LOC08	The Type Location for 'Crash Occurred On' is Numbered Route, but a valid Street/Route Type has not been selected	Crash Location Type Location Point Used
LOC10	If Reference Point Used is not 01,03, 04, 05, 07, 08, 09 or 10 type location point used must be a 1, 2, or 3	Type Location Point Used.
RPT01	The Direction from the reference point of the Crash must be N, S, E, or W	Direction Reference
MFR01	The miles from reference must be numeric.	Miles From Reference
RPT02	The REFERENCE PREFIX value is invalid. Must be a N, S, E, or W	Reference Prefix

Error Code	Task Description	Related Field(s)
RPT03	When REFERENCE TYPE is IR, US, SR, CR, or TR, the Reference must contain a value	Reference Type Reference Point
RPT04	The REFERENCE TYPE must be valid *Also see Appendix A for details	Reference Type Reference Point
RPT05	When REFERENCE POINT USED is 01, 03, 04, 05, 07, 08, 09 or 10, the Type Location Point Used must be blank.	Reference Point Used Reference Point
RPT06	When Reference Point Used is 04-House Number, the Reference must be 6 digits.	Reference Point Used Reference Point
RPT07	When Reference Point Used is 01-State Line, the Reference must end with 'ST LINE'.	Reference Point Used Reference Point
RPT08	When Reference Point Used is 03-County Line, the Reference must end with 'CO LINE'.	Reference Point Used Reference Point
RPT09	When Reference Point Used is 05-Township Boundary, the Reference must end with 'TWP LINE'.	Reference Point Used Reference Point
RPT10	The Reference Point Used value must be valid (01 State Line, 02 Intersection Of Two Streets, 03 County Line, 04 House Number, 05 Township Boundary, 06 Mile Post, 07 Corporation Limit, 08 Place Name Without Reference, 09 Driveway, 10 Street or Route Without Reference)	Reference Point Used
RPT11	When Reference Point Used is 06-Mile Post, the reference must be numeric. For example, if reference is Mile Post 15, the value submitted should be 0015.	Reference Point Used, Reference Point
TOI01	TYPE OF INTERSECTION value must be 01-13.	Type of Intersection
TOI02	If the TYPE OF INTERSECTION IS 11 (Railway Grade Crossing), the unit's TRAFFIC CONTROL must be (1, 2. 7, 8, 9, 11, 12, 15).	Type of Intersection Traffic Control
TOI03	If the TYPE OF INTERSECTION is 7 (on-ramp), the unit's TRAFFIC CONTROL must be 1, 2, 3, 4, 5, 10, 11, 12, 13, 14, 15, 16, 17.	Type of Intersection Traffic Control
TOI04	If the TYPE OF INTERSECTION is 8 (off-ramp), the unit's TRAFFIC CONTROL must be 1, 2, 3, 4, 5, 10, 11, 12, 13, 14, 15, 16, 17.	Type of Intersection Traffic Control
OCC01	OCCURRENCE value must be 1-7.	Occurrence
RCO01	The ROAD CONTOUR at the time of the crash must be valid (1-5)	Road Contour
PRC01	The value for PRIMARY ROAD CONDITIONS at the time of the Crash must be valid $(01 - 07, 10, 11)$	Road Conditions

Error Code	Task Description	Related Field(s)
PRC02	PRIMARY ROAD CONDITION cannot be the same as Secondary Road Condition.	Road Conditions
SRC01	The value for SECONDARY ROAD CONDITIONS at the time of the Crash is invalid. $(01 - 11)$	Road Conditions
MOC01	The MANNER OF COLLISION OR IMPACT must be 1-9.	Manner of Collision or Impact
MOC02	If the MANNER OF COLLISION OR IMPACT for the crash is Backing (5), the PRE-CRASH ACTIONS for a motorist in the crash must be backing.	Manner of Collision or Impact pre-crash actions
MOC03	If the MANNER OF COLLISION OR IMPACT for the crash is from 2 to 8, there must be multiple motorists.	Manner of Collision or Impact # Units Count of units reported
MOC04	Not Collision Between Two Vehicles in Transport (1) or Unknown(9) are the only valid choices for MANNER OF COLLISION OR IMPACT for one motorist crashes	Manner of Collision or Impact # Units Count of units reported
WTR02	The value for WEATHER at the time of the crash is invalid. Or WEATHER value muct be 01-10	Weather
PLC01	The value for PRIMARY LIGHT CONDITION at the time of the crash must be valid (1-9)	Light Conditions
PLC02	PRIMARY LIGHT CONDITION cannot be the same as Secondary Light Condition.	Primary Light Conditions Secondary Light Conditions
PLC03	PRIMARY LIGHT CONDITION must be valid for TIME OF CRASH. (Dawn: 0400 to 0900, Daylight: 0600 to 2100, Dusk: 1600 to 2100)	Light Conditions Time of Crash
SLC01	The value for SECONDARY LIGHT CONDITIONS at the time of crash is invalid.	Light Conditions Time of Crash
SLC02	SECONDARY LIGHT CONDITIONS must be valid for TIME OF CRASH. (Dawn: 0400 to 0900, Daylight: 0600 to 2100, Dusk: 1600 to 2100)	Light Conditions Time of Crash
SBR01	The value for SCHOOL BUS RELATED must be 1-4	School Bus Related
SBR02	If the crash is SCHOOL BUS RELATED (#2), at least one TYPE OF UNIT must be school bus.	School Bus Related Type of Unit
WZR01	WORK ZONE RELATED value must be 1-3.	Work Zone Related

Error Code	Task Description	Related Field(s)
WZR02	The WORK ZONE TYPE must be between 1 and 5 OR 9 for WORK ZONE RELATED CRASH.	Type of Work Zone
LWZ01	The LOCATION OF CRASH IN WORK ZONE for a WORK ZONE RELATED Crash must be 1-4, 9.	Location of Crash in Work Zone
WKR01	WORKERS PRESENT value must be 1-3.	Workers Present
CRD01	The CRASH REPORTED DATE for the crash must be in MMDDYYYY format.	Crash Reported Date
CRD02	The CRASH REPORTED DATE is greater than today.	Crash Reported Date Current Date
TCR01	The CALL RECEIVED cannot be greater than the DISPATCH.	Date Crash Reported Time Rec Call Dispatch
DCR01	The DATE CRASH REPORTED cannot be greater than the Current Date.	Date Crash Reported
CRT01	The CRASH REPORTED TIME (HOUR) must be 00-23	Crash Reported Time
CRT02	The CRASH REPORTED TIME (MINUTES) must be 00-59.	Crash Reported Time
DIS01	The DISPATCHED (HOUR) must be 00-23	Dispatch
DIS02	The DISPATCH TIME cannot be greater than the ARRIVED.	Dispatch Time Arrived Time
DIS03	The DISPATCHED cannot be greater than the Current Date.	Dispatch Current date
ARR01	The ARRIVED (HOUR) must be 00-23	Arrived Time
ARR03	The ARRIVED TIME cannot be greater than the CLEARED.	Arrived Cleared
CLR01	The CLEARED TIME (HOUR) must be 00-23	Cleared
OTH01	The OTHER minutes must be numeric if entered	Other
TMN01	The TOTAL MINUTES to complete Investigation must be numeric.	Total Minutes
TMN02	Total of time elapsed from Dispach to Cleared and other minutes must be equal to Total Minutes provided.	Dispatch, Arrive, Cleared, Total Minutes
OFF01	OFFICER'S NAME cannot be blank	Officer's Name
BAD01	BADGE # cannot be blank	Badge #
CHK01	CHECKED BY cannot be blank	Checked by
DRF01	DATE REPORT FILED cannot be blank	Date Report Filed
DRF02	DATE REPORT FILED must be in MMDDYYYY format.	Date Report Filed

Error Code	Task Description	Related Field(s)
RTB01	The REPORT TAKEN BY field must be a 1-2	Report Taken By
RTA01	The REPORT TAKEN AT field must be 1-3	Report Taken AT
OHF01	OH-2 Flag must be 1 or 2.	OH 2 Flag
OHF02	OH-3 Flag must be 1 or 2	OH 3 Flag
OHF03	OH-1P Flag must be 1 or 2.	OH 1P Flag
OHF04	OH Other Flag must be 1 or 2	OH Other Flag
	Misc Edits	
CUP01	Crash record found, person record found before unit. Record either out of order or unit record missing	Record Type
SUP01	Supplement = 1 and crash with same NCIC, LR#, Date of Crash, Time of Crash, County and FIPS Code not found on Crash Database	NCIC LR # Date of Crash Time of Crash County FIPS Code Supplement Box
DUP02	Crash already accepted.	Document Number
RVD	The REVISION DATE for the crash report is invalid.	Revision Date
CNF01	A Crash Record was not found that relates to the Unit (a unit record was entered with no crash information)	Date of Crash NCIC # Local Report #
FIP1062	FIPS Place Code is invalid (FIPS_PLACE table) or blank.	FIPS Place
	Constraint Edits – Crashes	
CONC27	PRIVATE PROPERTY must be Y or N.	Private Property
CONC28	REFERENCE POINT USED must be between 1 and 10.	Reference Point Used
CONC35	SECONDARY LIGHT CONDITION must be between 1 and 9.	Secondary Light Condition
CONC41	SUPPLEMENT must be between 1 and 2.	Supplement
	Unit Edits	
IUR01	Internal error occurred while processing unit record. Crash Record is not saved.	Internal Error
URL01	Length of Unit Record is not valid.	Unit Record
UNF01	Unit record Not found related To Crash	Unit Record

Error Code	Task Description	Related Field(s)
NOC01	The # OF OCCUPANTS must be numeric (0-99).	# of Occupants Count of occupants
NOC02	The # OF OCCUPENTS reported for Unit is greater than the number of occupants found.	# Units Count of units in the crash
UTN01	UNIT # is duplicated for a Crash	Unit #
UTN02	Unit Number must be a numeric value and greater than zero.	Unit #
LPS01	LP STATE must be valid 2 character code or blank (see state list provided by ODPS)	LP State
LPS02	If LP STATE entered, a valid LP # must be entered. Unless HIT/SKIP is unsolved.	LP State LP # Hit/Skip
LPN01	If LP # entered, a valid LP STATE must be entered. Unless HIT/SKIP must be entered.	LP State
YAR01	The YEAR the unit was manufactured is not numeric.	Year
YAR02	The Year the unit was manufactured is < 1900.	Year
YAR03	The Year the unit was manufactured cannot be greater than two years from current year.	Year
MAK01	MAKE reported is not found in the table provided by ODPS	Make Table provided by ODPS
MOD01	MODEL reported is not found in the table provided by ODPS	Model Table provided by ODPS
COL01	COLOR reported is not found in the table provided by ODPS	Color Table provided by ODPS
INS01	The INSURANCE value must be a 1, 2, or 3.	Insurance Company
VHT01	VEHICLE TOWED value must be a 1 or 2.	Towing Service
TWS01	If the unit was towed the TOWING SERVICE is required.	Towing Service
NML01	NON-MOTORIST LOCATION prior to impact must be valid	Non-Motorist Location
UZN01	Owner zip code in unit record is not numeric.	Owner_Zip
MDA01	Most Damaged Area is invalid.	Damage Area
DMS01	Damage Scale is invalid.	Damage Scale
TOU01	The TYPE OF UNIT is Invalid	Type of Unit

Error Code	Task Description	Related Field(s)
TOU02	Sleeper Section of Cab is a valid SEATING POSITION only for UNIT TYPES (12-15, 17).	Type of Unit, Seating Position
TOU03	A TYPE OF UNIT Pedestrian (38-Pedestrian, 40-Skater) must have a Person Type of 'P"	Type of Unit Person Type on ECS Layout
TOU10	If TYPE OF UNIT is 18 or 19, then SAFETY EQUIPMENT for the Motorist cannot be 2, 3, 4 or 5.	Type of Unit Safety Equipment
EMU01	EMERGENCY USE Value must be between 1-3 and default to 1	In Emergency Response
DMG02	DAMAGED AREA 02 value must be between 1 and 2.	Damage Area 02
DMG03	DAMAGED AREA 03 value must be between 1 and 2.	Damage Area 03
DMG04	DAMAGED AREA 04 value must be between 1 and 2.	Damage Area 04
DMG05	DAMAGED AREA 05 value must be between 1 and 2.	Damage Area 05
DMG06	DAMAGED AREA 06 value must be between 1 and 2.	Damage Area 06
DMG07	DAMAGED AREA 07 value must be between 1 and 2.	Damage Area 07
DMG08	DAMAGED AREA 08 value must be between 1 and 2.	Damage Area 08
DMG09	DAMAGED AREA 09 value must be between 1 and 2.	Damage Area 09
POI01	POINT OF IMPACT value must be 1-15.	Point of Impact
ACT01	ACTION value must be 1-6.	Action
ACT02	If the unit type is not between 1 and 34 then the pre crash action must be between 1 and 14. If unit type is between 35 and 42 then pre crash action sshould be between 15 and 22.	Unit Type, Pre Crash Actions
ACT03	If the unit type is between 35 and 41 then the pre crash action must be between 15 and 23.	Unit Type Pre-Crash Action
ORU01	OVERRIDE/UNDERRIDE value must be 1-7.	Striking Vehicle Override/Underride
PCA01	PRE-CRASH ACTIONS is invalid. Must be 01-23.	Pre-Crash Actions
PCA02	If a parked car is in the SEQUENCE OF EVENTS for a unit, the PRE-CRASH ACTIONS for another unit on the crash must be Parked.	Pre-Crash Actions Sequence of Events
PCA03	Vehicle with PRE-CRASH ACTION of 10 (parked) should have person type 'O' - occupant.	Pre-Crash Action Person Type

Error Code	Task Description	Related Field(s)
CCR02	CONTRIBUTING CIRCUMSTANCES for Motorist/Non-Motorist is Invalid.	Contributing Circumstances
CCR04	For the CONTRIBUTING CIRCUMSTANCES of Improper Backing (10), the only valid PRE-CRASH ACTION is 2.	Contributing Circumstances
CCR05	For the CONTRIBUTING CIRCUMSTANCES of Improper Turn(6), the only valid PRE-CRASH ACTIONS are 5, 6 or 7.	Contributing Circumstances Pre-Crash Action
CCR06	For the CONTRIBUTING CIRCUMSTANCES of Parked Illegally(12), the only valid PRE-CRASH ACTIONS are 10 or 11.	Contributing Circumstances Pre-Crash Action
COUN35	If Contributing Circumstances is coded as a "19=Operating Defective Equipment", then record the type of defect that contributed to the crash	Vehicle Defects, Contributing Circumstances
CCR08	The CONTRIBUTING CIRCUMSTANCES value must be 23 - 33 for a Non-Motorist Crash.	Contributing Circumstances
VED01	Value for VEHICLE DEFECTS must be 01 - 11.	Contributing Circumstances Vehicle Defects
SEQ01	If there is a Pedestrian TYPE OF UNIT in the Crash, Pedestrian must be in the SEQUENCE OF EVENTS for one of the OTHER units.	Sequence of events Person Type on ECS Layout
SEQ02	Has a SEQUENCE OF EVENTS that shows pedestrian, but no units are listed as pedestrians.	Sequence of events Person Type on ECS Layout
SEQ03	If there is only one motorist in the Crash, Motor Vehicle in Transport (20) must not be in the SEQUENCE OF EVENTS for any unit.	Sequence of events Count of number of units involved # Units
SEQ06	1 ST SEQUENCE OF EVENTS is invalid (1-49).	Sequence of Events
SEQ04	2 nd SEQUENCE OF EVENTS is invalid (1-49).	Sequence of Events
SEQ07	3 rd SEQUENCE OF EVENTS is invalid (1-49).	Sequence of Events
SEQ05	4 th SEQUENCE OF EVENTS is invalid (1-49).	Sequence of Events
FHE01	FIRST HARMFUL EVENT value must be 1-5.	First Harmful Event

Ennen Oada	Task Description	
MHE01	I ask Description	Most Harmful Event
	SPEED DETECTED Value is Invalid. Must be 1 or 2	Speed Detected
SPD01	SPEED DETECTED value is invalid, must be 1 of 2.	Speed Detected
5PD02	Both speed detected and reported speed of none should be supplied.	Speed Detected Speed
USP01	The SPEED of the unit is invalid	Speed Detected
COUN33	UNIT SPEED must be between 0 and 200.	Unit Speed
PSP01	POSTED SPEED must be between 05 and 65.	Posted Speed
TRV01	TRAFFIC CONTROL Value must be between 1 and 17.	Traffic Control
DIR41	Vehicle Non-Motorist DIRECTION must be valid (1 North, 2 South, 3 East, 4 West, 5 Northeast, 6 Northwest, 7 Southeast, 8 Southwest, 9 Unknown)	Direction
DIR01	The TO DIRECTION is invalid (1-North, 3-East, 4-West, 5-Northeast, 6-Northwest or 9-Unknown) considering the FROM DIRECTION (North) and PRE-CRASH ACTIONS (essentially straight). Valid values are 2-South, 7-Southeast or 8-Southwest.	Direction Pre-Crash Actions
DIR02	The TO DIRECTION is invalid (2-South, 3-East, 4-West, 7-Southeast, 8-Southwest or 9-Unknown) considering the FROM DIRECTION (South) and PRE-CRASH ACTIONS (essentially straight). Valid values are 1-North, 5-Northeast and 6-Northwest.	Direction Pre-Crash Actions
DIR03	The TO DIRECTION is invalid (1-North, 2-South, 3-East, 5-Northeast, 7-Southeast or 9-Unknown) considering the FROM DIRECTION (East) and Pre- Crash Actions (essentially straight). Valid values are 4-West, 6-Northwest and 8-Southwest.	Direction Pre-Crash Actions
DIR04	The TO DIRECTION is invalid (1-North, 2-South, 4-West, 6-Northwest, 8-Southwest or 9-Unknown) considering the FROM DIRECTION (West) and PRE-CRASH ACTIONS (essentially straight). Valid values are 3-East, 5-Northeast and 7-Southeast.	Direction Pre-Crash Actions
DIR05	The TO DIRECTION is invalid (1-North, 3-East, 5-Northeast, 6-Northwest, 7-Southeast or 9-Unknown) considering the FROM DIRECTION (Northeast) and PRE-CRASH ACTIONS (essentially straight). Valid values are 2-South,4-West and 8-Southwest.	Direction Pre-Crash Actions
DIR06	The TO DIRECTION is invalid (1-North, 4-West, 5-Northeast, 6-Northwest, 8-Southwest, 9-Unknown) considering the FROM DIRECTION (Northwest) and PRE-CRASH ACTIONS (essentially straight). Valid values are 2-South, 3-East and 7-Southeast.	Direction Pre-Crash Actions
DIR07	The TO DIRECTION is invalid (2-South, 3-East, 5-Northeast, 7-Southeast, 8-Southwest or 9-Unknown) considering the FROM DIRECTION (Southeast) and PRE-CRASH ACTIONS (essentially straight). Valid values are 1-North, 4-West and 6-Northwest.	Direction Pre-Crash Actions
DIR08	The TO DIRECTION is invalid (2-South, 4-West, 6-Northwest, 7-Southeast, 8-Southwest or 9-Unknown) considering the FROM DIRECTION (Southwest) and PRE-CRASH ACTIONS (essentially straight). Valid values are 1-North, 3-East and 5-Northeast.	Direction Pre-Crash Actions

Error Code	Task Description	Related Field(s)
DIR09	The TO DIRECTION is invalid (1-North, 2-South, 3-East, 5-Northeast, 7-Southeast or 9-Unknown) considering the FROM DIRECTION (North) and PRE-CRASH ACTIONS (turning right). Valid values are 4-West, 6-Northwest and 8-Southwest.	Direction Pre-Crash Actions
DIR10	The TO DIRECTION is invalid (1-North, 2-South, 4-West, 6-Northwest, 8-Southwest or 9-Unknown) considering the FROM DIRECTION (South) and PRE-CRASH ACTIONS (turning right). Valid values are 3-East, 5-Northeast and 7-Southeast.	Direction Pre-Crash Actions
DIR11	The TO DIRECTION is invalid (2-South, 3-East, 4-West, 7-Southeast, 8-Southwest or 9-Unknown) considering the FROM DIRECTION (East) and PRE-CRASH ACTIONS (turning right). Valid values are 1-North, 5-Northeast and 6-Northwest.	Direction Pre-Crash Actions
DIR12	The TO DIRECTION is invalid (1-North, 3-East, 5-Northeast, 6-Northwest or 9-Unknown) considering the FROM DIRECTION (West) and PRE-CRASH ACTIONS (turning right). Valid values are 2-South, 7-Southeast and 8-Southwest.	Direction Pre-Crash Actions
DIR13	The TO DIRECTION is invalid (2-South, 3-East, 5-Northeast, 7-Southeast, 8-Southwest or 9-Unknown) considering the FROM DIRECTION (Northeast) and PRE-CRASH ACTIONS (turning right). Valid values are 1-North, 4-West and 6-Northwest.	Direction Pre-Crash Actions
DIR14	The TO DIRECTION is invalid (1-North, 3-East, 5-Northeast, 6-Northwest, 7-Southeast or 9-Unknown) considering the FROM DIRECTION (Northwest) and PRE-CRASH ACTIONS (turning right). Valid values are 2-South, 4-West and 8-Southwest.	Direction Pre-Crash Actions
DIR15	The TO DIRECTION is invalid (2-South, 4-West, 6-Northwest, 7-Southeast, 8-Southwest or 9-Unknown) considering the FROM DIRECTION (Southeast) and PRE-CRASH ACTIONS (turning right). Valid values are 1-North, 3-East and 5-Northeast.	Direction Pre-Crash Actions
DIR16	The TO DIRECTION is invalid (1-North, 4-West, 5-Northeast, 6-Northwest, 8-Southwest or 9-Unknown) considering the FROM DIRECTION (Southwest) and PRE-CRASH ACTIONS (turning right). Valid values are 2-South, 3-East and 7-Southeast.	Direction Pre-Crash Actions
DIR17	The TO DIRECTION is invalid (1-North, 2-South, 4-West, 6-Northwest, 8-Southwest or 9-Unknown) considering the FROM DIRECTION (North) and PRE-CRASH ACTIONS (turning left). Valid values are 3-East, 5-Northeast and 7-Southeast.	Direction Pre-Crash Actions
DIR18	The TO DIRECTION is invalid (1-North, 2-South, 3-East, 5-Northeast, 7-Southeast or 9-Unknown) considering the FROM DIRECTION (South) and PRE-CRASH ACTIONS (turning left). Valid values are 4-West, 6-Northwest and 8-Southwest.	Direction Pre-Crash Actions
DIR19	The TO DIRECTION is invalid (1-North, 3-East, 4-West, 5-Northeast, 6-Northwest or 9-Unknown) considering the FROM DIRECTION (East) and PRE-CRASH ACTIONS (turning left). Valid values are 2-South, 7-Southeast and 8-Southwest.	Direction Pre-Crash Actions
DIR20	The TO DIRECTION is invalid (2-South, 3-East, 4-West, 7-Southeast, 8-Southwest or 9-Unknown) considering the FROM DIRECTION (West) and PRE-CRASH ACTIONS (turning left). Valid values are 1-North, 5-Northeast and 6-Northwest.	Direction Pre-Crash Actions
DIR21	The TO DIRECTION is invalid (1-North, 4-West, 5-Northeast, 6-Northwest, 8-Southwest or 9-Unknown considering the	Direction

Error Code	Task Description	Related Field(s)
	FROM DIRECTION (Northeast) and PRE-CRASH ACTIONS (turning left). Valid values are 2-South, 3-East and 7- Southeast.	Pre-Crash Actions
DIR22	The TO DIRECTION is invalid (2-South, 4-West, 6-Northwest, 7-Southeast, 8-Southwest or 9-Unknown) considering the FROM DIRECTION (Northwest) and PRE-CRASH ACTIONS (turning left). Valid values are 1-North, 3-East and 5-Northeast.	Direction Pre-Crash Actions
DIR23	The TO DIRECTION is invalid (1-North, 3-East, 5-Northeast, 6-Northwest, 7-Southeast or 9-Unknown) considering the FROM DIRECTION (Southeast) and PRE-CRASH ACTIONS (turning left). Valid values are 2-South, 4-West and 8-Southwest.	Direction Pre-Crash Actions
DIR24	The TO DIRECTION is invalid (2-South, 3-East, 5-Northeast, 7-Southeast, 8-Southwest or 9-Unknonw) considering the FROM DIRECTION (Southwest) and PRE-CRASH ACTIONS (turning left). Valid values are 1-North, 4-West and 6-Northwest.	Direction Pre-Crash Actions
DIR25	The TO DIRECTION is invalid (2-South, 3-East, 4-West, 5-Northeast, 6-Northwest, 7-Southeast, 8-Southwest or 9- Unknown) considering the FROM DIRECTION (North) and PRE-CRASH ACTIONS (U-turn). Valid value is 1-North.	Direction Pre-Crash Actions
DIR26	The TO DIRECTION is invalid (1-North, 3-East, 4-West, 5-Northeast, 6-Northwest, 7-Southeast, 8-Southwest or 9- Unknown) considering the FROM DIRECTION (South) and PRE-CRASH ACTIONS (U-turn). Valid value is 2-South.	Direction Pre-Crash Actions
DIR27	The TO DIRECTION is invalid considering the FROM DIRECTION (East) and PRE-CRASH ACTIONS (U-turn). Valid value is 3-East.	Direction
DIR28	The TO DIRECTION is invalid considering the FROM DIRECTION (West) and PRE-CRASH ACTIONS (U-turn). Valid value is 4-West.	Direction
DIR29	The TO DIRECTION is invalid considering the FROM DIRECTION Northeast) and PRE-CRASH ACTIONS (U-turn). Valid value is 5-Northeast.	Direction Pre-Crash Actions
DIR30	The TO DIRECTION is invalid considering the FROM DIRECTION (Northwest) and PRE-CRASH ACTIONS (U-turn). Valid value is 6-Northwest.	Direction Pre-Crash Actions
DIR31	The TO DIRECTION is invalid considering the FROM DIRECTION (Southeast) and PRE-CRASH ACTIONS (U-turn). Valid value is 7-Southeast.	Direction Pre-Crash Actions
DIR32	The TO DIRECTION is invalid considering the FROM DIRECTION (Southwest) and PRE-CRASH ACTIONS (U-turn). Valid value is 8-Southwest.	Direction Pre-Crash Actions
DIR33	The TO DIRECTION is invalid considering the FROM DIRECTION (North) and PRE-CRASH ACTIONS (parked). Valid value is 2-South.	Direction Pre-Crash Actions
DIR34	The TO DIRECTION is invalid considering the FROM DIRECTION (South) and PRE-CRASH ACTIONS (parked). Valid value is 1-North.	Direction Pre-Crash Actions
DIR35	The TO DIRECTION is invalid considering the FROM DIRECTION (East) and PRE-CRASH ACTIONS (parked). Valid value is 4-West.	Direction Pre-Crash Actions
DIR36	The TO DIRECTION is invalid considering the FROM DIRECTION (West) and PRE-CRASH ACTIONS (parked). Valid value is 3-East.	Direction Pre-Crash Actions

Error Code	Task Description	Related Field(s)
DIR37	The TO DIRECTION is invalid considering the FROM DIRECTION (Northeast) and PRE-CRASH ACTIONS (parked).	Direction
	Valid value is 8-Southwest.	Pre-Crash Actions
DIR38	The TO DIRECTION is invalid considering the FROM DIRECTION (Northwest) and PRE-CRASH ACTIONS (parked).	Direction
	Valid value is 7-Southeast.	Pre-Crash Actions
DIR39	The TO DIRECTION is invalid considering the FROM DIRECTION (Southeast) and PRE-CRASH ACTIONS (parked).	Direction
	Valid value is 6-Northwest.	Pre-Crash Actions
DIR40	The TO DIRECTION is invalid considering the FROM DIRECTION (Southwest) and PRE-CRASH ACTIONS (parked).	Direction
	Valid value is 5-Northeast.	Pre-Crash Actions
DIR41	Vehicle Non-Motorist DIRECTION must be valid (1 North, 2 South, 3 East, 4 West, 5 Northeast, 6 Northwest, 7 Southeast, 8 Southwest, 9 Unknown)	Direction
CAD01	Carrier State Abbreviation must be valid (select state abbreviation from state)	Carrier State
CAD02	Carrier Zip Code is not a Numeric Value or Blank.	Carrier Zip
DOT01	Commercial crashes must have US DOT, ICC MC or PUCO completed.	US DOT
		ICC MC
		PUCO
CTL01	If TRAILER LP # is entered the TRAILER LP YEAR is required	Trailer LP Year
		Trailer LP #
CTS01	TRAILER LP STATE must be one of the valid states or blank	Trailer LP St.
CYR01	TRAILER LP YEAR must be between 1850 and 2050 or blank	Trailer LP Year
CYR02	If TRAILER LP YEAR is entered the TRAILER LP # is required	Trailer LP Year
		Trailer LP #
PLA01	PLACARD # is invalid should be 4 digit code on placard	Placard #
DIA01	DIAMOND # from the HAZARDOUS MATERIALS PLACARD is Required (1-digit placard number from bottom of diamond, may contain blanks)	# Dia
DIA02	Diamond Placard No must be numeric or empty.	Diamond No
CBT01	If the CARGO BODY TYPE is 2, the TYPE OF UNIT must be from 20-23.	Cargo Body Type
		Type of Unit
CBT02	If the CARGO BODY TYPE is 3, the TYPE OF UNIT must be between 8 and 17.	Cargo Body Type
		Type of Unit
CBT03	CARGO BODY TYPE must be between 01-13	Cargo Body Type
GVW01	GVWR value must be 1-3 or blank. (If commercial vehicle)	Weight
CLA01	CDL CLASS value must be 1-5. (If commercial vehicle)	CDL Class
COUN19	HAZARDOUS SPILL must be between 1 and 4.(must have a unit type of 9-17)	Hazardous Materials Released

Error Code	Task Description	Related Field(s)
HMP01	Vehicle has HAZARDOUS MATERIALS PLACARD Value must be 1,2,3 or Blank	Hazardous Materials Placard
	SYSTEM CONSTRAINTS	
SYSU06	LICENSE PLATE STATE cannot be null.	License Plate State
SYSU07	TOWED FLAG cannot be null.	Towing Flag
SYSU08	VEHICLE DIRECTION FROM cannot be null.	Vehicle Direction From
SYSU09	VEHICLE DIRECTION TO can not be null.	Vehicle Direction To
SYSU10	DAMAGE AREA cannot be null.	Damage Area
SYSU11	DAMAGE SCALE cannot be null.	Damage Scale
SYSU12	UNIT TYPE cannot be null.	Unit Type
SYSU13	PRE CRASH ACTIONS cannot be null.	Pre Crash Actions
SYSU14	TRAFFIC CONTROL cannot be null.	Traffic Control
SYSU15	CIRCUMSTANCES cannot be null.	Circumstances
SYSU16	SEQUENCE EVENT1 cannot be null.	Sequence Event1
SYSU17	FIRST HARMFUL EVENT cannot be null.	First Harmful Event
SYSU18	MOST HARMFUL EVENT cannot be null.	Most Harmful Event
SYSU19	ACTION cannot be null.	Action
SYSU20	EMERGENCY USE cannot be null.	Emergency Use
SYSU21	POINT OF IMPACT cannot be null	Point of Impact
SYSU22	STRIKING VEHICLE OU cannot be null.	Striking Vehicle Override/Underride
SYSU23	CARGO BODY TYPE cannot be null.	Cargo Body Type
CONU04	CIRCUMSTANCES must be between 1 and 33.	Circumstances
CONU16	DAMAGE SCALE must be between 1 and 6	Damage Scale
CONU22	NON-MOTORIST LOCATION must be between 1 and 15.	Non-Motorist Location
CONU36	VEHICLE DIRECTION FROM must be between 1 and 9.	Vehicle Direction From
CONU37	VEHICLE DRIECTION TO must between 1 and 9.	Vehicle Direction To
CONU38	VEHICLE YEAR must be between 1850 and 2050.	Vehicle Year
	Person Record	
IPR01	Internal error occurred while processing person record. Crash record not saved.	Internal Error

Error Code	Task Description	Related Field(s)
PRL01	Person record length is not valid	Person Record
FNM01	If the person record is populated, the first name is required.	Name
PNF01	Person record not found related to Unit which is related to Crash	Person Record
	Address	
PZN01	Zip code in person address is not numeric.	Motoris/Non-Motorist Zip
SSN01	SSN must be 9 numbers or blank	Social Security Number
AGE01	The AGE of the person must be numeric.	Age
AGE02	AGE of Person is Incorrect (if age is blank or 000, calculate the age with the date of birth and date of crash).	Age
DOB01	The DATE OF BIRTH cannot be greater than the Current Date.	Date of Birth
GEN01	GENDER value must be M,F OR U	Gender
HPN01	Home Phone # must be 10 digits or blank.	
WPH01	Work Phone # must be 10 digits or blank.	
SEU04	Motorcycle SAFETY EQUIPMENT USED should not be non-motorist type.	Safety Equipment Used Unit Type
DRV01	There can only be one driver per motorized unit	Person Type
DLF01	If OH is in DRIVER LICENSE STATE, DL # format must be Ohio's format.	DL State DL #
DLS02	If the DRIVER LICENSE STATE is entered the DL NUMBER is required.	DL State DL #
DLS03	Person Driver License STATE must be entered if you have entered a DL Number.	DL State, DL #
ITB01	INJURED TAKEN BY must be 1-5.	Injured Taken By
TRB01	TRANSPORTED BY must be entered if INJURED TAKEN BY is 2-4.	Transported By
ITT01	INJURED TAKEN TO must be entered if INJURED TAKEN BY is 2-4	Injured Taken To
	Offense Charged	
OFD01	OFFENSE DESCRIPTION must be entered if OFFENSE CHARGED is entered.	Offense Description
CIT01	CITATION NUMBER must be entered if OFFENSE CHARGED is entered.	Citation Number
LCC02	CITATION LOCAL CODE must be a 1 or 2.	Citation Local Code

Error Code	Task Description	Related Field(s)
SPN01	The SEATING POSITION of the Person must be between 1 and 17.	Seating Position
SPN02	The SEATING POSITION selected is invalid for unit types 18 and 19.	Seating Position
SEU01	Motorcycle SAFETY EQUIPMENT USED should not be seatbelts or car seats.	Safety Equipment Type of Unit
SEU02	Driver SAFETY EQUIPMENT USED cannot be 05 (Child Safety Seat Used).	Safety Equipment Used
SEU03	The SAFETY EQUIPMENT USED value for person is invalid (1-14).	Safety Equipment Used
ABU01	AIR BAG USAGE value must be 1-6.	Air Bag
ABS01	AIR BAG USAGE SWITCH value must be 1-4 if entered.	Air Bag Switch
EJT01	Person EJECTED from vehicle value must be 1-5.	Ejection
TRP01	Person TRAPPED value must be 1-4.	Trapped
INJ01	Person INJURY value must be 1-6.	Injuries
INJ02	If an INJURY value is 2, 3, or 4 the CRASH SEVERITY must be 1-Fatal or 2-Injury.	Injuries Crash Severity
CON01	Condition value must be 1-8.	Condition
ADS01	ALCOHOL/DRUGS SUSPECTED value must be 1-6.	Alcohol/Drug Suspected
ADS02	Alcohol Test Status must be 1-6 if ALCOHOL/DRUGS SUSPECTED is 2 or 5.	Alcohol Test Status
ATT01	ALCOHOL TEST TYPE value must be 1-5.	Alcohol Test Type
ATT02	ALCOHOL TEST TYPE value was given for an occupant.	Alcohol Test Type Person Type
	Alcohol Test Result	
DTS01	DRUG TEST STATUS value must be 1-6.	Drug Test Status
DTT01	DRUG TEST TYPE value must be 1-4.	Drug Test Type
DTT02	DRUG TEST TYPE was populated when test not given.	Drug Test Type
DTT03	DRUG TEST TYPE must be 1 if Drug Test Status is NONE.	Drug Test Type Drug Test Status
DTR01	DRUG TEST RESULT must be 1-8.	Drug Test Result 1 & 2
DTR02	The first and second DRUG TEST RESULTS cannot be equal.	Drug Test Result 1 & 2

Error Code	Task Description	Related Field(s)
ATV01	ALCOHOL TEST RESULT must be between 000 and 300 if not blank.	Alcohol Test Value
	Person Misc	
ODP01	Person type must be an 'O', 'D', or 'P'.	Person type # of Occ Count of occupants submitted
PED01	A Pedestrian cannot have Occupants.	Person type # of Occ Count of occupants submitted
PLN01	Person LAST NAME is blank.	Last Name
PEF02	Pedestrians must have one Person attached, but it must also be of type pedestrian and the # OCC question must be answered Zero.	Person type
	Constraint Edits - People	
CONP03	ALCOHOL TEST STATUS must be between 1 and 6.	Alcohol Test Status
SYSP03	UNITNO cannot be null.	Unitno
SYSP04	GENDER cannot be null.	Gender
SYSP05	SEATING POSITION cannot be null.	Seating Position
SYSP06	SAFETY EQUIP USED cannot be null.	Safety Equipment Used
SYSP07	AIR BAG USAGE cannot be null.	Air Bag Usage
SYSP08	EJECTION cannot be null.	Ejection
SYSP09	TRAPPED cannot be null.	Trapped
SYSP10	INJURIES cannot be null.	Injuries
	Witness Edits	
IWR01	Internal error occurred while processing witness record. Crash record not saved.	Internal Error
WIT01	A 'Witness' type unit must have an answer of zero (0) for '# of Occ'.	
WIT02	A 'Witness' type unit must NOT have any Persons attached to it.	
SEU05	Restraint for Bicycle cannot be 2, 3, or 4.	Safety Equipment Used
WNR01	Witness Record not related to Crash	Witness Record

Error Code	Task Description	Related Field(s)
WRL01	Witness record length not valid	
		Witness Record

Appendix ALocation FormatBreak out into two separate fields

Position 84-111 Crash Location (CRASH_LOCATION) Position 112-113 Street Designation (CRASH_LOCATION_ROAD_TYPE)

Crash Location

If Type of Location Point Used (TYPE_LOCATION_POINT_USED) = 1 (named street) Street name in Crash location (CRASH_LOCATION)

In street designation (CRASH_LOCATION_ROAD_TYPE) use from the following list

AV = AvenueBO = Boulevard CI = CircleCO = CourtDR = Drive HE = Heights HI = HighwayLA = Lane PA = Parkway PI = PikePL = PlaceRO = Road SQ = Square ST = Street TE = Terrace TL = Trail WA = Way

If Type of Location Point Used (TYPE_LOCATION_POINT_USED) = 2 (numbered street) Change all numbered streets to a number example Fourth St change to '0004' in Crash Location (CRASH_LOCATION)

In street designation (CRASH_LOCATION_ROAD_TYPE) use from the following list

AV = Avenue BO = Boulevard CI = Circle CO = Court DR = Drive HE = Heights HI = Highway LA = LanePA = Parkway

PI = Pike PL = Place RO = Road SQ = Square ST = Street TE = Terrace TL = TrailWA = Way

If Type of Location Point Used (TYPE_LOCATION_POINT_USED) = 3 (numbered route) Report all numbered routes in numeric format example SR62 is reported as 0062 in the Crash Location (CRASH_LOCATION)

In street designation (CRASH_LOCATION_ROAD_TYPE) use from the following list

IR = Interstates US = Federal US Routes SR = State Routes CR = Numbered County Road TR = Numbered Township Road

Reference

Break out in two separate fields

Position 120-147 Reference Point (REFERENCE_POINT) Position 148-149 Reference Designation (REFERENCE_TYPE)

If Reference Point Used = 01 (state line) (REFERENCE_POINT_USED) 03 (county line) 04 (house number) 05 (township boundary) 07 (corporation limit) 08 (place name without reference) 09 (driveway) 10 (street of route without reference)

> Place name of reference point on Reference Point (REFERENCE_POINT) Place spaces in Reference Designation (REFERENCE_TYPE)

If Reference Point Used (REFERENCE_POINT_USED) = 02 (intersection of two streets) Place name of street in Reference Point (REFERENCE_POINT) Place reference Designation, use the listing under the REFERENCE_TYPE description

If Reference Point Used (REFERENCE_POINT_USED) = 06 (milepost)

Place number of mile post in Reference Point (REFERENCE_POINT) using the following example MP15 report as 015.0. The value in REFERENCE_POINT must follow the format of ddd.d where d is a number (0-9). Place 'MP' in Reference Designation (REFERENCE_TYPE)

Document Revision Details:

Revision Date: 12/20/2006

Revision Details:

Allowed values and their interpretation in WORKERS_PRESENT_FLAG field changed from (1=Yes, 2=No, 3=Unknown) to (1=No, 2=Yes, 3=Unknown).

Revision Date: 03/06/2007

Revision Details:

- A new Business Rule (Error Code (YNA01)) is added.
- A new Business Rule (Error Code (WRL01)) is added.
- A sample added for Longitude
- Crash Data file naming specification is added.
- Further details added to Odps response format. Certain error codes are specified with which response tags are always returned empty.
- A new Business Rule (Error Code YNA02) is added.
- Error Description for SPD02 is modified.
- Link for state abbreviations MMUCC added to License_Plate_State field in document.

Revision Date: 10/05/2007

Revision Details:

- A new Business Rule (Error Code (UZN01)) is added.
- A new Business Rule (Error Code (PZN01)) is added.
- Reference Location Type values updated.
- Street designation for Trail is updated to "TL".
- Modified location related description language.
- New business rule LAT05 added.
- New business rule LON05 added.
- New business rule DIA02 added.

Revision Date: TBD – 11/20/2007

Revision Details:

- DIR36 edit changed: valid Direction_To for the parked unit should be 3-East instead of 5-East.
- TOI03 edit changed, valid values for traffic_control are 1, 2, 3, 4, 5, 10, 11, 12, 13, 14, 15, 16, 17.
- TOI04 edit changed, valid values for traffic_control are 1, 2, 3, 4, 5, 10, 11, 12, 13, 14, 15, 16, 17.
- New Edit: RPT11- When Reference Point Used is 06-Mile Post, the reference must be numeric. For example, if reference is Mile Post 15, the value submitted should be 0015.

Revision Date: 12/21/2007

Revision Details:

- TMN02 New Edit Total of time elapsed from Dispach to Cleared and other minutes must be equal to Total Minutes provided.
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