

Montana's Motor Vehicle Crash Data Infrastructure

Task 1 Data Book

Final Report

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Acronyms and Abbreviations

ACN	Automatic Crash Notification
ACS	American College of Surgeons
AACN	Advanced Automatic Crash Notification
ALI	Automatic Location Identification
ALS	Advanced Life Support
ANI	Automatic Number Identification
APCO	Association of Public Safety Communications Officials
CAD	Computer Aided Dispatch
CDC	Centers for Disease Control and Prevention
CISCO	Creative Information Systems Company
DPHHS	Department of Public Health and Human Services
ED	Emergency Department of a hospital
EMD	Emergency Medical Dispatch
EMS	Emergency Medical Services
ESI net	Emergency Services IP Network
GPS	Global Positioning System
HIPAA	Health Insurance Portability and Accountability Act

IM	Interoperability Montana
MDOT	Montana Department of Transportation
MSPOA	Montana Sheriff and Peace Officer's Association
MVC	Motor Vehicle Crash
NEMESIS	National Emergency Medical Services Information System
NENA	National Emergency Number Association
NG911	Next Generation 9-1-1
OPHI-PCR	Online Prehospital Information-Patient Care Record
PAR	Police Accident Report
PCR	Prehospital Care Report
PSAP	Public Safety Answering Point
PSSB	Public Safety Services Bureau
RTAC	Regional Trauma Advisory Council
TSP	Telematics Service Provider

Introduction

Motor vehicle crash (MVC) data describe road vehicle collision events. MVC data are gathered and used throughout emergency response processes. They are derived from public safety 911 records, law enforcement motor vehicle crash reports, prehospital care reports, hospital records, and trauma registry information. The complete MVC data infrastructure also includes the tools, procedures and protocols to collect, distribute, organize, utilize and archive the information.

New information technologies are improving the potential and performance of emergency response to motor vehicle crashes. The new information technologies offer opportunities to reduce crash-related injury, disability, and death. Two such technologies are Automatic Crash Notification (ACN), and Advanced Automatic Crash Notification (AACN). ACN and AACN take advantage of emerging in-vehicle crash detection systems that automatically transmit data from motor vehicles involved in crashes. These technologies have the potential to provide actual crash data in near-real time to support the dispatch of emergency responder services and assist in triage, transport and treatment decisions via earlier and more accurate data about MVA. Further, employing these data can potentially increase the integration and effectiveness of the response and rehabilitation systems. This has been shown in some communities in the U.S., and is potentially true for Montana. Optimal utilization of these technologies requires a framework and a plan to create a comprehensive integrated MVC data infrastructure, whereby data from ACN/AACN, 911 call centers, emergency responders, and hospitals can be integrated.

The objective of Task 1 of the Montana Crash Notification Project was to characterize Montana's current MVC data infrastructure, procedures and protocols in order to develop a framework (i.e., requirements) for creating a comprehensive integrated motor vehicle-crash response data system that includes ACN and AACN data. This document reports on these objectives.

Methods

Research methodology was descriptive and qualitative, focusing on experts and key informant interviews.

Expert Panel

First, we convened an expert panel to guide the research direction and decisions that were pertinent to Task 1. Members of the expert panel are listed in Table 1 of Appendix A.

Key Informant Interviews

To characterize Montana's MVC data infrastructure, we gathered information from key informants about activities and tools associated with the collection and compilation of MVC data. The initial group of key respondents was selected in consultation with the expert panel. Key informants in this project were administrative leaders and key technical staff of agencies, programs, and organizations that are involved in collecting, analyzing, and using data concerning motor vehicle crashes in Montana. The data were gathered from key informants via face-to-face or telephone interviews.

Next, a snowball sampling technique was used to identify additional key informants to represent the known universe of Montana's MVC data infrastructure. From the initial interviews it was discovered that significant variability exists across local direct service agencies, such as 911 call centers, fire, emergency medical services, and law enforcement. The research decision was made to include one or two representative agencies per provider type (e.g., 911 center, police, EMS, etc.) with the most consistent, standardized, and state of the art procedures and technology. As a result, when local direct service response systems are described, it should be understood to be a nearly best case scenario within Montana, and a scenario towards which other agencies of the same provider type are likely to be headed. A complete listing of key informants is found in Table 2 of Appendix A.

The interviews followed a protocol that was developed to permit the characterization of current activities and tools associated with the collection, compilation, and use of the Montana agency's MVC data. The interview focused on:

- which MVC data are collected
- when MVC data are collected in relation to the actual MVC
- how MVC data are gathered, sent, and archived
- how MVC data are utilized
- challenges or limitations with their MVC data
- what authority influences data collection, transmittal, use, and storage
- affiliate agencies
- future directions and expectations of the agency's MVC data
- agency challenges to integrating ACN/AACN data.

Data dictionaries were requested and obtained from each represented agency.

Analysis

After interviews were conducted and supporting documents obtained, a system-oriented approach was employed to analyze the data and to describe Montana's MVC data infrastructure. The notes from the interviews were reviewed, analyzed, checked for accuracy with the key informant when necessary, and summarized into a written report. That report and summary, which describes the data infrastructure and data-related events and activities for each of the participating agencies, follow herein. It should be noted that local Public Service Answering Points (PSAPs), or 9-1-1 centers, are the keystone of the emergency response system. Dispatchers link the individuals involved in motor vehicle collision events to emergency medical services and law enforcement. Therefore, the description of Montana's Crash Related Data Infrastructure is broken-down into time increments in relation to the 9-1-1 call.

Next, a Montana MVC Data Book was developed. The Data Book is a compilation of the data dictionaries provided by agencies that collect MVC data in Montana. It can be found in Appendix B.

The data dictionaries were cross-referenced with the Vehicular Emergency Data Set (VEDS) recommendations. VEDS is a national data standard that identifies *useful and critical* crash and medical elements needed to provide an effective emergency response to vehicular emergency incidents.¹ Several key informants identified VEDS as a good guideline for incorporating ACN data across all Montana MVC agencies. VEDS was used in the proof of concept for the national Next Generation 911 Initiative, with the goal of enabling the transmission of voice, data, or video from different types of communication devices to PSAPs and onto emergency responders.² These elements are the data that show the most potential to improve emergency response and subsequently outcomes in severely injured crash patients.³

The recommended format for VEDS is XML. XML is the most widely accepted format for exchanging structured data between different computer systems in the world today. It is an open, non-proprietary standard shared by all major software providers. However, VEDS is not a data transmission protocol/standard. How TSPs decide to send data, and how agencies collect data, transmit data, link it to voice, handle it within their various agencies, etc. are all critical issues, but not ones that were addressed by VEDS. Still, this common data set will enable multiple methods of data transfer and handling.¹

The data elements in the Montana MVC Data Book were analyzed for common elements, disjunctions, and gaps in relation to the VEDS recommendations. See the description of the Data Book following the Summary section of this report.

Next, data flow diagrams were developed to display visually where and of what type the data related to MVCs in Montana are generated, communicated, acted upon, archived, and reported on. An agency's data diagram maps the movement of the data from initial collection, through analysis, reporting, sharing, and then archiving. The data flow diagrams provide a visual representation the

Montana MVC data flow in relation to the timeline of the actual MVC event. Seven agencies' data flow diagrams, developed in this project from key informant interview data, are show in Appendix C.

Summary

Before the 911 call

Montana consumers have the option to purchase vehicles that are telematics equipped for automatic crash notification (ACN) or advanced automatic crash notification (AACN). If a consumer purchases a vehicle equipped with telematics, (s)he could subscribe to a telematics service provider (TSP), such as OnStar or ATX, which will provide the safety service that the equipment permits. When consumers subscribe to a TSP, they give consent to the TSP to release their information to public safety agencies and to release their de-identified information for research purposes.⁴

In the event of a crash, a telematics equipped and subscribed vehicle automatically initiates an emergency wireless call to a TSP to deliver the vehicle's GPS location and crash-related data.² ACN automatically sends information about airbag deployment and vehicle location to the TSP. AACN provides additional crash severity data generated from the in-vehicle telemetry, such as delta velocity, principle direction of force, and the number of impacts. The wireless call also opens voice communication between the occupants of the vehicle and the TSP advisor.

In the event of a crash, if determined necessary through communication, or lack thereof, with the occupant(s) of the vehicle, the TSP advisor contacts the Public Safety Answering Point (PSAP) nearest to the crash. The TSP Advisor connects the occupant(s) of the vehicle to the PSAP Call Taker via a wireless three-way conference call. The wireless call is connected to the PSAP one of two ways: a standard 10 digit number, or directly routed to the 911 trunk. If the PSAP has adequately sophisticated equipment and Memorandums of Agreement with Enhanced 911^{*} (E911) service providers,^{**} the TSP Advisor will connect directly to the 911 trunk and the call and will come into the PSAP as a typical 911 call. If that equipment or MOAs are not in place, the call connects to the PSAP's standard 10-digit phone number. The 10-digit number is typically connected to a non-priority desk. The dispatcher is

^{*} Enhanced 911 is a telecommunications based system that automatically associates a caller's telephone number (automatic number identification (ANI)) and location information (automatic location information (ALI)) and forwards the call and information to the PSAP nearest the caller.

<http://www.qwest.com/wholesale/pcat/911.html>

^{**} Enhanced 911 Service Providers include: Basic 911 Service Providers (Qwest or CenturyTel in Montana), and a third-party Enhanced 911 database manager (Intrado Inc.)

mandated to answer all calls that come directly to the 911 line before answering calls on the 10-digit line. Electronic data cannot be delivered across the standard 10-digit phone line, so when the TSP Advisor relays crash data verbally in that situation. However, when calls are routed to 911 trunks they are formatted to forward the caller's telephone number (ANI), and location information (ALI) with E911. This information automatically displays on the PSAP computer terminal at the time the call is received.

Initially, *all* TSPs contacted PSAPs via the 10-digit number. However, TSPs are working through Qwest or CenturyTel and Intrado Inc. to route TSP calls directly to the nearest PSAP on the 911 trunk. Qwest and CenturyTel are responsible for aggregating and routing emergent calls to the appropriate PSAP based on the county of jurisdiction of the 911 caller's address or location. Intrado Inc. is a third party database manager that provides E911 database management services for Qwest and CenturyTel. The E911 database contains end-user information (including name, address, telephone number, and occasionally special information from the local service provider or end-user) used to determine routing the call to the appropriate PSAP and provide the location information.⁵

While Intrado Inc. currently provides for automatic number identification (ANI) and automatic location information (ALI) to most Montana PSAPs, they can also provide for the transport, transmission and routing of additional data from emergency telecommunications services, such as AACN data.^{6*} Each PSAP has the decision-making authority and liability to accept what, if any, ACN/AACN data will automatically display on their computer.^{**} As of March 2010, no Montana PSAP receives additional TSP data via their 911 trunk.

The Missoula PSAP was recommended for interview for this report by the State 911 Program office as one of the most advanced call centers in Montana. As other Montana PSAPs update their systems, they are likely to develop their infrastructure as Missoula has. Each PSAP is unique in when, what, how, and why they gather MVC data. Still, networking between PSAPs occurs at statewide PSAP manager meetings that occur at least bi-annually. When available, examples of how Montana PSAPs vary are provided in this report.

In Missoula, TSP calls come directly in on the 911 line; however, ANI/ALI information is the only ACN data that automatically displays on their computer terminal. The process for adding or making changes to capture ACN/AACN data would be fairly simple. No new technology would be necessary to take additional TSP data directly onto their ANI/ALI screen. They would follow the same

* The business relationships between local PSAPs, Qwest or CenturyTel, and Intrado vary based on whether the PSAP's 9-1-1 service is through Qwest or CenturyTel. Approximately half Montana PSAPs are Qwest and half are CenturyTel. PSAPs with Qwest typically have more unique systems, whereas PSAPs with CenturyTel are more standardized systems. CenturyTel's more standardized system makes them a good starting point for testing/piloting projects.

** There are 54 PSAPs in Montana. Many of these PSAPs have a single county jurisdiction. Some have city jurisdiction that represent multiple counties.

process they currently use to add a new cell phone company. The PSAP would map the data and possibly modify the current database to accommodate the field sizes required for the TSP data. Training time would be required for the new elements.

Because the 54 PSAPs operate independently, the process of bringing telematics services to Montana involves multiple partners, agreements, and local initiatives. For the Missoula PSAP, authority to make changes to 911 data comes from the 911 center's manager and the local 911 Advisory Board, which is comprised of the County Sheriff, the Police Chief, a citizen member appointed by the County Commissioner, the County Disaster and Emergency Services Coordinator, representatives from the County Fire Protection Agency (city and rural), and a representative of Ambulance Services.

The Missoula PSAP is in the process of developing a six-year strategic plan that will encompass ways to take data from various telecommunication devices that would enhance public safety communication. For example, they are considering how to receive cell phone pictures and videos taken at the site of the emergency from victims, witnesses, or ERs. Strategic planning is more difficult for smaller Montana PSAPs due to time and funding.

There are no specific data formatting requirements. Missoula would like to use the JDXML, or the Justice Department's XML, format for data recording and storage. All the PSAPs and the ERs have access to the JDXML formatting, which is based on law enforcement or fire/medical tags. It is widely accepted as a good idea to use the JDXML format data, but it is not widely used at this time. The Missoula PSAP personnel have not found a vendor that can integrate data from JDXML, which is considered a competing software network.

During the 911 Call

In Missoula, when a call is initiated, the PSAP call taker immediately begins collecting MVC data into their computer aided dispatch (CAD) system via the PSAP's computer and phone systems. The phone system includes the VOIP, which permits the ANI/ALI information. The ANI/ALI information is sent directly into their CAD system. The CAD generates correct recommendations as to which emergency responders should be dispatched.

Much of the operational procedures of PSAPs are a function of the software and the call-taking equipment, which varies because they are supplied by many different CAD vendors. Both Missoula and Lewis and Clark, two of the larger PSAPs, use Logistics Systems Inc. which is a Tier One systems provider.⁷

There are no legal or regulatory requirements for MVC data gathered by Montana PSAPs. The data collected by PSAPs are primarily data requested by dispatch agencies as opposed to any state reporting requirements. The dispatch agencies themselves may have state

requirements for and agreements with local PSAPs to provide the data. The core information collected by PSAPs that is common across Montana PSAPs includes:

- the nature of the incident (i.e., injury accident, non-injury accident, moving violation, burglary, etc.)
- incident location information *
- the caller's name
- re-contact address
- callback phone number

These core data have their own fields on the information screens of the computer terminals and in archival databases. Other information, such as the nature of injuries, is entered into a comment field on the information screen. The comment field provides call takers with an unlimited ability to ask questions and put more information into the system for immediate use.*

According to the Montana Constitution, information from 911 emergency calls is part of the public record. However, the privacy of criminal justice information about persons involved in the incident or MVA is protected by state statute and national laws. The PSAP redacts criminal justice information such as driver's license and license plate numbers from data that are provided to any non-law enforcement agency, including fire and medical agencies. Any health information contained in the PSAP's call records is not protected by HIPAA since 911 centers do not provide direct hands-on patient care. Still, there is a generic protection because no name is ever linked to a specific injury. A patient's name is never provided over the air to responders and any information responders provide back to the PSAP during the call is simply sex, general age, and the extent of their injuries.

Dispatch

* Location information displays with the class of service. The class of service tells the Call Taker and Dispatchers whether the latitude and longitude that are provided come from the closest cellular tower to the caller, the location of the actual caller if the caller is using a cell phone, or the location of a landline telephone. Location information from cellular calls also comes with a certainty factor. The certainty factor uses data from a triangulation of three towers to estimate how accurate the latitude and longitude are. **However, accurate latitude and longitude of the actual caller are not always possible in rural Montana because there are not always three cellular towers to triangulate off of. Therefore, Montana PSAPs rely heavily on voice communication for accurate location information.**

* It is difficult to search data off information listed in the comment section.

For Missoula County, all injury motor vehicle crashes receive the same level of response, which is considered Advanced Life Support (ALS) medical. While technically there exists a tiered emergency medical response, the Missoula PSAP errs on the side of caution and sends a full emergency response. Missoula is an Emergency Medical Dispatch (EMD) 911 center. EMD protocols help determine whether an incident requires basic EMS, ALS EMS, air medical, and/or fire department response. Only 5 or 6 Montana PSAPs provide EMD. PSAPs that adopt EMD typically err on the side of caution and send more emergency responders than may be necessary based on the nature of the incident rather than the confirmation of injury by the caller, a witness, or a first responder. PSAPs that have not adopted EMD often wait to dispatch responders until an injury is confirmed.

The protocols for EMD in Missoula are provided by Association of Public Communication Officers (APCO). The Montana chapter of APCO holds statewide meetings approximately every three months at locations around the state. APCO protocols are currently listed on flip cards that are located on the PSAP Call Taker's work station. When the call taker determines the nature of the incident (s)he flips to the corresponding APCO protocol and proceeds as directed.**

Most PSAPs in Montana have one person designated to receive and respond to 911 callers. If there is more than one person, the job is typically split into a call taker, who receives the call, and the dispatcher(s), who coordinate the dispatch of emergency responders. The call taker's job is to enter core information into the CAD system. In Missoula there are three dispatch positions: 1) the fire/medical and administrative line dispatch, 2) the county sheriff law enforcement dispatch and intermediary Montana Highway Patrol, and 3) the city police law enforcement dispatch. Depending on the time of day, there is additional staff for back up.* When the call taker enters the nature of the incident and the location of the incident the CAD system automatically notifies the dispatchers. In Missoula they strive to send core information to the rest of the room in under a minute.

PSAPs directly dispatch fire, medical, and local police and sheriff department responders. Call for service information is relayed verbally by the PSAP dispatchers, or electronically by the CAD system to the responding agencies. The call for service information includes:

- the call location,
- call type,
- comments, and
- other dispatch agencies that are being recommended

** The Missoula PSAP is currently integrating the EMD information from the flip cards directly into their CAD system.

* In smaller Montana PSAPs there typically is only one person that is the call taker and the dispatcher.

The fire and medical dispatcher selects the voice tones for the voice paging system. These tones open the radio channel where they verbally announce the call for service information. In Missoula, call for service information is also automatically electronically sent by the PSAP CAD system to “rip-and-run” printers located at the fire station and ambulance company.

In Missoula, the CAD system recommends a law enforcement unit to respond. The law enforcement dispatcher selects the recommended unit, or chooses a different unit if warranted. The dispatcher verbally relays the call for service information to the responding unit via the radio. The county police and sheriff departments are on the same county computer network as the PSAP, so call for service data is automatically sent to the responding unit’s mobile terminal where the data populates the MVC reports.

An air medical response is initiated based on the location and nature of the incident. Air medical is notified immediately by voice and digital pagers. The Missoula PSAP does not wait for notification by a responder on the scene to dispatch air medical due to warm-up time for the helicopter. In Missoula, air medical dispatch works on a rotating basis. On odd days St. Patrick Hospital’s Life Flight helicopter is dispatched in the event of an advanced life support emergency that occurs in the geographic area that they cover. On even days, Community Hospital’s Care Flight helicopter is dispatched.

The PSAP dispatcher indirectly dispatches the Montana Highway Patrol through the Highway Patrol’s dispatch center. The PSAP also indirectly dispatches tribal emergency services through tribal services. The PSAP dispatcher verbally relays call for service information via the phone, or transfers the 911 caller directly to the dispatcher at the other agency.

The Missoula PSAP also has CAD Status, software that allows any agency that is dispatched by the PSAP to view emergency calls in live time as the incident is occurring. CAD Status can be installed on any computer that supports JAVA and has high-speed internet access. The software automatically updates every 30 seconds. If an agency is connected to CAD Status, they have the ability to print the call for service data as it is ongoing.

From the time the PSAP notifies each agency until the agency is actually en route varies. Volunteer agencies staffed with volunteers who may have to leave other jobs to respond to an emergency may have a guideline to strive for five to ten minutes, whereas a paid agency with dedicated emergency response staff may strive for a minute. Once agencies are dispatched, the PSAP collects time information. Time information includes:

- the time dispatched,
- the time in route,
- the time on scene,
- the time they leave the scene,
- the time they are headed to the hospital, or
- the time they become available to respond to another call.

Emergency Medical Services (EMS)

EMS and fire departments print and manually enter the call for service data into their electronic reporting systems.* There is a lot of variability in the software and equipment used by each EMS provider because each has decision-making authority and liability. Still, all Montana EMS providers are licensed by the Montana Department of Public Health and Human Services' (DPHHS) EMS and Trauma Systems Section. As a licensing agency, DPHHS sets basic data collection requirements, and they encourage and guide best practices.

The Montana EMS and Trauma Systems Section encourages EMS providers to take advantage of a new, custom, license-free data collection and compilation software package, Online Prehospital Information—Patient Care Record (OPHI-PCR). The DPHHS EMS office developed OPHI-PCR. It is a cost effective, efficient performance improvement tool that is accessed online. “OPHI enables EMS services to electronically collect patient care information. Not only useful for documentation of patient care, this module will ultimately meet essential needs for service evaluation and performance improvement.”⁸ The license-free nature of the software enables the state EMS and Trauma Systems Section to update data fields for data collection as needed without vendors' proprietary challenges.

The data elements included in the OPHI-PCR software is National Emergency Medical Services Information System (NEMSIS) compliant. The NEMSIS database is widely accepted among states and vendors as the gold standard for EMS data. The entire NEMSIS database is around 400 data elements. OPHI-PCR includes a subset of these data elements. Of the elements in the OPHI-PCR, the state aims to direct EMS providers to report a minimum dataset of about 70 NEMSIS data elements to a state database.* These data will primarily include:

- time information
- demographics of a patient
- location of the incident
- where they transported the patient to
- status of the patient

* In Missoula, interfaces between software used by fire and medical agencies and the PSAP CAD vendor do exist, but are not utilized. An interface would enable electronic transmission of the data and eliminate the dual manual entry of the same data. (Chris Lounsbury)

* This change in reporting requirements will require a change in policy. The Montana EMS and Trauma Systems Section is in the process of making this change.

The OPHI-PCR software includes a comprehensive reporting package that can be utilized as a performance improvement tool. The reporting package allows EMS providers to track their own performance and make comparisons to the performance of other anonymous EMS providers. Performance improvement is an incentive for EMS providers to utilize the OPHI-PCR software to collect and report data. As more providers use OPHI-PCR, the Montana EMS database receives data from a larger percentage of EMS providers. Eventually Montana will push EMS data to a national dataset. Currently 30 out of the 250 Montana EMS providers use OPHI-PCR. Many more are expected to use OPHI-PCR as they recognize the many benefits it offers.

Police and Sheriff

In Missoula, local law enforcement personnel open the MVC report with pre-populated crash data from the PSAP on the mobile computer terminal located in their vehicle. The local law enforcement emergency responder enters additional crash data at the scene of the crash via the mobile computer, or via computers located at their departments after the crash is cleared.

MVC reports are each given a unique incident code that is used to access the report. The incident code is automatically generated based on the nature of the incident. Additional MVC data can be added to the electronic MVC reports as needed. Some Montana local law enforcement agencies do not have electronic MVC reports. These local agencies record MVC data on paper MVC reports provided by the state at the scene of the crash, or soon after the crash.

All paper and electronic MVC reports are submitted to the Montana Highway Patrol for MVC investigation. If there is a criminal aspect of the MVC, the local law enforcement agency also investigates the incident. The MT Highway Patrol is currently developing a web-based version of the MT MVC report for all Montana police and sheriff departments to access from any computer with internet access. The web-based MVC reports will automatically be entered in the Highway Patrol's server upon submission. While paper MVC report forms may still be used to gather crash data at the scene of the crash, the web-based MVC report will eliminate paper submission of MVC reports to the Highway Patrol.

Highway Patrol

The PSAP verbally relays call for service information to the Montana Highway Patrol dispatcher. The Highway Patrol dispatch center currently does not receive data through the phone system, where data (i.e., ANI/ALI) would display on the computer screen when the call is answered. However, they are working with the State 911 Program to become equipped to receive call data directly through the phone system. The most important MVC data for Highway Patrol from the PSAP are:

- exact location
- injury
- traffic blockages

The Highway Patrol dispatcher immediately inputs the data into the statewide Highway Patrol smartCAD system. Features of the smartCAD system include:*

- Multi-agency system
- Unlimited 911/E911 PSAP interfaces
- Integrated mapping and GEO-location for all calls
- Unlimited agencies with tracking for unique agency report numbers
- Synchronized real-time CAD (Call and Unit) status on all mobile computers
- 911 system interface
- 911 wireless phase II ready
- Station alarm interface and call faxing
- AVL plotting and tracking
- Immediate update to workstations on call assignment or status change
- Integrated NCIC/State interface
- Configurable run cards for LE, Fire and EMS
- Color-codes calls by priority as defined by the agency
- Automatic GEO file validation of addresses
- Notifies dispatchers to BOLOs, caution notes and vehicle history
- Captures and stores demographic data for identification and prevention of racial profiling
- Integrates with other SmartCOP modules
- Configuration allows for agency-specified complaint types, disposition codes, quick-keys, and call/unit priority colors
- Transmission of BOLOs to MCT
- Customizable to view specific zones or an entire district
- Tracks assigned and unassigned officers
- Apparatus recommendations based on status, location and other definable properties

* For more information about smartCAD features visit <http://www.cts-america.com/smartcad.asp#Overview>

The Montana Highway Patrol smartCAD automatically updates a public website** with traffic incident information.⁹ The website displays a statewide map marked with the approximate location of recent MVCs reported by the MT Highway Patrol. The website also displays a table that lists:

- incident number
- date
- dispatch time
- arrival time
- incident type
- location
- remarks

Current MVC information is available on the live map for approximately 2 hours. Anyone can search the website for traffic incidents based on time or location of the incident within the last 10 days. The same information displays on the screen, the only difference is that the displayed map is not in “live time”.

The Highway Patrol dispatcher assigns a trooper to respond to an incident via radio, or troopers actively scan for MVCs in their area on the trooper’s mobile computer terminal and mark themselves in route.

Troopers collect MVC data using the smartCOP software, the crash module. The SmartCOP crash module is 100% Model Minimum Uniform Crash Criteria (MMUCC) compliant. MMUCC is a voluntary guideline that helps states collect consistent crash data for a wide range of traffic safety planning applications.¹⁰ The crash module contains edit rules that force troopers to enter required data.* The module also allows for any additional data (i.e. video, pictures) to electronically be attached to the MVC report.

Troopers are trained to open the crash module on the mobile computer terminal and electronically save the GPS of the vehicle location immediately upon arrival at the scene of a MVC. The majority of the crash report is filled in at the scene of the crash using the mobile data computers. However, troopers can recall crash reports from the mobile computers or on a PC at the station

** <http://doj.mt.gov/enforcement/highwaypatrol/incidents/default.asp>

* Changes to the data collected by the crash module would need to be approved by the Major. The approval process includes verifying compliance with state laws, availability of technology, MMUCC compliance, and a cost benefit analysis. The Highway Patrol system has the necessary technology to make data changes in their collection system. The major challenges of making changes to their system are cost and personal rights when sharing the data.

to enter additional MVC data. Crash reports can be printed in the vehicles. Troopers complete the crash investigation which, depending on the type of crash, could take minutes or days. Typically they try to have a 5 day limit on all crashes with the exception of fatalities, where there is a 30 day limit. When the MVC investigation is complete, the trooper gives it to his sergeant for approval and electronic submission.

Crash reports are compiled in Microsoft SQL and Crystal Reports. Crash reports are routinely digitally reported to the Montana Department of Transportation. Summary reports can be generated by the MT Highway Patrol for a specific location or area for a specified time period (i.e., hourly, daily, weekly, or monthly). The MT Highway Patrol can provide individual reports with date, time, location information, and injury information including severity without identifiers. Individuals involved in MVCs can obtain a complete crash report by providing appropriate identification. Insurance companies can also obtain crash reports with a signed release form from the individual(s) involved in the MVC.

Tribal Services*

If a MVC occurs on one of the 7 reservations in Montana, which represents 6% of Montana's population, the PSAP dispatches Montana Highway Patrol and contacts the tribal law enforcement by phone. Tribal emergency response centers are not networked into the 911 system. The centers are connected to a standard 10 digit telephone number. Each of the 7 federally recognized Tribes in Montana is its own sovereign nation, so each has its own law enforcement and emergency response system.**

MVC response is immediately more difficult on reservations because identifying a specific location is difficult. The Montana Highway Patrol does not recognize all the road systems on reservations and mile markers are sometimes missing. Also, cellular coverage is very limited on reservations.

Once at the scene of the crash, Highway Patrol and Tribal Law Enforcement coordinate and determine jurisdictional authority. If a non-tribal member is involved in the MVC, then the Highway Patrol reports the MVC. If all individuals involved in the MVC are tribal members, then Tribal Law Enforcement reports the crash. Sometimes MVCs are reported by both Highway Patrol and

* For more information about tribal emergency response visit <http://www.ihs.gov/MedicalPrograms/InjuryPrevention/Documents/BIAFY08HSP.pdf>
<http://www.indiantech.org/>

** To incorporate ACN/AACN data into the Tribal emergency response system contact the Montana Wyoming Tribal Leaders Council. More information about the Council can be found at <http://www.mtwytlc.com/>

Tribal Law Enforcement. A 2008 Montana Tribal MVC study found that between 10-20% of tribal data was not accounted for in Highway Patrol data.¹¹ To get the most complete MVC data from reservations it is important to review both sources.

The collection, compilation, and utilization of MVC data are unique to each tribe. Each reporting system is completely separate from the state and each other. The Crow Agency partnered with the state to develop a software system to enter tribal MVC data. The system was developed by Creative Information Systems Company (CISCO), a networking and communications technology and services provider.¹² However, the CISCO software is not being used due to the lack of training, not enough personnel, or inadequate equipment.

Tribal MVC data are primarily collected on paper forms. However, filling out and compiling MVC reports is not consistent. Tribal MVC data are archived after 3 years at the Bureau of Indian Affairs in Albuquerque, New Mexico. Tribes do not report MVC data to the Montana Department of Transportation.

Fire and medical emergency responders are dispatched from the PSAP or the tribal emergency response center based on location. The Indian Health Service hospitals will provide emergency care for non-tribal injured individuals. Likewise, non-Tribal hospitals will provide care to injured Tribal members.

After the 9-1-1 call

Reports

PSAPs collect time data until injured individuals are transferred to the hospital, or the scene of the crash is cleared. The Missoula PSAP's policy is to transmit the completed call for service data to emergency responding agencies as soon as the last fire or medical unit clears the call. The call for service at the end of the call contains location information, the nature of the incident, comments, and time information. The PSAP sends the data electronically to a printer located at the EMS and a printer located at fire departments.

PSAPs are the source of data used in routine reports that are requested by direct dispatch agencies. Other affiliated agencies, such as Highway Patrol, can request copies of call documentation for their reports. The PSAP typically faxes a printout of the call for service record. Finally, researchers or the general public can request a print call for service record through the County Attorney's office.

Archive

The length of time that a PSAP retains a data record for each call is unique to each PSAP. Some keep audio recordings for two years, other PSAPs that do not have a lot of memory on their voice recorder might go a month and then delete it. Some digitize their voice records and some print out their call details and store them on a shelf. Some PSAPs might not even be able to print out call details.* The Missoula PSAP's active data goes back to 2000. This active data can be accessed directly at the center. Any records prior to 2000 can be pulled out of archives. Call records are tracked by complainant name, location, and the incident code.

After the 911 call, MVC data continue to being collected by hospitals. Hospital records and the Montana Trauma Registry capture the most complete picture of the extent of MVC injury outcomes. Hospital and Trauma data also capture MVC data from injured individuals involved in MVCs that do not activate the 911 system. However, hospital data are protected by privacy laws so are difficult to access.

Hospital Data

Hospital Emergency Department

Prehospital MVC data are given by EMS providers to the hospital in print form and verbally relayed. In some hospitals, EMS personnel enter prehospital data into a computer dedicated for EMS use at the hospital. These data are recorded with the patient care record of an injured individual.

The Montana Hospital Emergency Department (ED) and Discharge Dataset is currently owned by the Montana Hospital Association. Currently about 10% of hospitals in Montana voluntarily submit data to the dataset. While legislation that would mandate reporting of hospital ED and discharge data to a state database did not pass at the last session, funding for the dataset was approved. Thus, the state DPHHS is in the process of increasing the amount of voluntary reporting. The dataset currently does not connect any injuries to MVCs.

Confidentiality and privacy of both patients and hospitals are strongly protected by law.

* One common point for the data storage may be Intrado. If a wireless caller gets dropped and the PSAP doesn't have the technology to bring up the old records and start troubleshooting, they can get information from Intrado, which keeps a record of the data that routed through them.

Trauma Registry

The most complete injury outcome dataset in Montana is the Montana Trauma Registry.* However, the trauma registry collects information from only a subset of trauma patients. This subset is comprised of patients with the most severe injuries by any fashion—this include the most severe injuries sustained from MVCs. Patients with severe injuries are those who need surgery, stay more than three days in the hospital, or die.

If a person is injured in a MVC and taken to an American College of Surgeons (ACS) certified hospital, trauma data are entered into the Trauma Registry directly via Collector software. Trauma coordinators typically enter the data on a routine basis (i.e., daily, weekly, etc.). In large Montana hospitals, such as Billings or Great Falls, trauma data are submitted continuously as trauma incidents occur. In smaller hospitals trauma data are submitted at least quarterly.

Trauma data from large Montana trauma hospitals are generally more detailed because they typically have patients for longer periods of time, do more tests and procedures, and know more about outcomes of patients. Smaller hospitals that are not ACS certified mail a paper form with trauma information to the state's EMS and Trauma Systems Section where it is manually entered into the Registry. These data are generally less detailed as patients are usually transferred from the smaller hospitals to larger trauma hospitals.

The state Trauma Registry is currently moving to a web-based system that enables all hospitals with internet access to submit their own trauma data. The web-based system will eliminate paper submissions of trauma data to the EMS and Trauma Systems Section. It will be more time and resource efficient. The web-based system will also improve the quality of the data being submitted, as Collector automatically validates the data.

The Trauma Registry is a high end performance improvement tool for trauma hospitals. Collector has a comprehensive reporting package that makes it easy for hospitals to track their own performance and compare themselves to the performance of other hospitals. Still, the registry is strongly protected by state statute and is very proprietary. While hospitals have unlimited access to their own individual and compiled data, they only have access to statistical non hospital specific data that are submitted by other hospitals. For example, a reporting hospital can compare their own trauma data to data from a similar sized hospital, or to data from the same state or region, etc. The internal performance design coupled with a strong protection of the data provides hospitals will a good incentive to report and utilize trauma registry data. As a result, 90% of the 56 hospitals in Montana routinely submit trauma data.

* The trauma registry would be the best indicator of whether ACN data are accurate for severe injury predictions in Montana.

There is no standard nationwide trauma dataset. However, most trauma registries round the country use Digital Innovations' Collector software, so the data are somewhat standardized. There is also a national trauma databank owned by the ACS that gathers the somewhat standardized data. The state EMS and Trauma Systems Section sends Montana trauma data gathered in Collector to the national databank. Montana trauma data are compared to national data and summary reports are sent back to each hospital on a routine basis.

Trauma registry data are used in policy decision-making, or for specific preventable death studies. These data are strongly protected, so studies are typically internal. *** Montana trauma data are reviewed at the Regional Trauma Advisory Council (RTAC) quarterly meetings to confirm validity and develop action plans.

Data Book

The Montana MVC Data Book is a resource developed by the Task 1 project team. It contains specific MVC data element information from MVC crash databases in Montana.

The Book is an EXCEL workbook. Each agency that collects MVC data in Montana has a separate worksheet in the workbook that lists the MVC data elements collected by that agency. The information in the Book was abstracted from data dictionaries provided by each agency and verified by appropriate professionals representing each agency.

The Book contains a summary worksheet, labeled 'SUMMARY'. The SUMMARY worksheet, which is the first worksheet in the Book, cross-references the Montana MVC data elements and the VEDS- recommended data elements. The SUMMARY worksheet may be used to identify:

- useful and critical crash elements currently being collected in Montana, and
- useful and critical crash elements not currently being collected in Montana.

VEDS is described in the Analysis section of this report.

* For example, information about the severity of injury and seatbelts was researched to provide evidence for Montana seatbelt legislation.

** In terms of this project, in order to honor the restrictions on trauma registry data it would be easier to look at how the state could warehouse some of the ACN data internally and research injury prediction internally vs. sending the data elsewhere. (Jim D.)

VEDS data elements are given in the first two columns of the SUMMARY worksheet. The VEDS elements are grouped according to category, which is listed in column 1. The categories are highlighted in the row directly above the group of elements falling within that category, which are listed in column 2. For example, 'latitude' in column 2, row 17 refers to the latitude of the incident because it is listed under the highlighted 'Incident Data' category in column 1. The rest of the columns (columns 3 and higher) in the SUMMARY worksheet correspond to the agencies collecting MVC data.

The entry that falls within the intersection of a row and column in the SUMMARY worksheet indicates where the VEDS data element indicated by that row is found on the agency worksheet indicated by that column. For example, row 17 represents latitude of the incident, and column C represents OnStar. A '12' in row 17/column C indicates that the OnStar entry for latitude of the incident is found in row 12 of the OnStar worksheet. A blank in row 17/column C indicates that OnStar does not collect data on latitude of the incident. In this way, each row identifies all Montana MVC agencies that provide a given VEDS data element, specifying where to find that element within each of the agency worksheets.

In addition to the SUMMARY worksheet, each agency worksheet contains a 'VEDS Element' column that identifies the VEDS data element that corresponds with the MVC data element listed in each row. For example, row 23 of the 'MSO 911' worksheet identifies the data element for the address of the incident. The address of the incident corresponds to VEDS data elements: incident location, incident latitude, incident longitude, and incident location description.

Flow Diagrams

Data flow diagrams have been developed to display visually the data processes related to motor vehicle crashes (MVC) in Montana: How data are generated, communicated, acted upon, archived, and reported on. An agency's data flow diagram maps the movement of the data from initial collection, through analysis, reporting, sharing, and then archiving. The data flow diagrams provide a visual representation of the Montana MVC data flow in relation to the timeline of the actual MVC event. Seven agencies' data flow diagrams were developed in this project from key informant interviews.

Comments

One concern voiced about ACN's owner medical history data is that you never know who's actually going to be in the vehicle. Still, in Missoula, Missoula Aging Services gathers voluntary medical information from the disabled and elderly to share with the PSAP. This information is entered into their CAD system so if an emergency call comes from that number or residence it automatically notifies the call taker that the incident may involve people with disabilities or special medical conditions. This information is useful information for hospitals or medical responders for what they might expect upon arrival. (Chris L.)

A/ACN data would be beneficial for more efficient location identification and more accurate historical vehicle data. The telemetry data reported from the car would be helpful in MVC investigations. Finally, linking data from the beginning of the MVC clear through the long-term injury outcomes of individuals involved in the MVC would be helpful for policy decision-making, such as seat belt legislation. (Major Butler)

Recommendations

1) In Montana, agencies or parties either individually or collectively contribute to MVC data infrastructure, but not in a highly connected way. Steps toward a more cohesive infrastructure will permit a more comprehensive integrated motor vehicle crash-related data system for Montana that includes A/ACN. Employing these data can potentially increase the integration and effectiveness of the response and rehabilitation systems.

2) Most of the agencies appear to be in a transitional state with MVC data. EMS is rolling out OPHI-PCR. Highway Patrol just switched over to only using the SmartCOP Crash module and is developing a web-based version for access by all law enforcement personnel. Highway Patrol is also working to update their dispatch center to begin taking data directly into their system. The hospital ED and discharge database is still being developed. These transitions provide an opportunity for integrating A/ACN data into the Montana MVC data infrastructure. For example, one barrier identified by interviewees was training staff to effectively use new data. Perhaps any additional training needed for ACN data could be rolled into the training that will occur with these transitions that are already in progress.

3) Most of the agencies already collect data elements that could be useful for linking across databases. These data elements include: the date, time, and latitude and longitude of the incident. The data dictionary locations are show below. The Data Book worksheet is identified in bold with the row number of the data elements for potential linking in parentheses.

- **OnStar** (10-13)
- **MSO 9-1-1** (433, 55, 23)
- **EMS OPHI-PCR** (143, 140, 218)
- **Police and Sheriff** (5-7, 81-83)
- **Highway Patrol SmartCop Crash** (4, 17-18)

- **Trauma** (62*, 63)

The only agency that does not have data identified as MVC data is the Hospital ED and Discharge dataset.

* Place of injury, which may or may not contain latitude and longitude

4) Intrado, the data service provider for the PSAPs, may work with the Montana Highway Patrol dispatch center to send additional TSP data directly to their future ANI/ALI screens. It may be possible for the TSP to send the same MVC data simultaneously to the PSAP and the Highway Patrol. For PSAPs that do not adopt EMD and wait for an officer at the scene to confirm an injury before sending fire/medical responders, this could decrease response time.

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- ¹⁰ “Crash Data Guideline for Improved Traffic Safety.” (n.d.) MMUCC. Retrieved from <http://www.mmucc.us/> on February 12, 2010.
- ¹¹ Merchant, Darcy. August 19, 2009. Personal Interview
- ¹² “About CISCO Software.” (n.d.) CISCO Software. Retrieved from <http://www.cisco-ps.com/index.html> on February 12, 2010.

Appendix A: Expert Panel and Key Informants

Table 1: Expert Panel

Name	Position	Organization
Jim DeTienne	EMS & Trauma Systems Section Supervisor	DPHHS
Tom Hamilton	Captain	MT Highway Patrol
Pierre Jomini	Safety Management Engineer	MT DOT
Ryan Olson	Former Montana State 9-1-1 Program Assistant Manager	MT Dept of Admin

Table 2: Key Informants

Area of Operations	Name	Position	Organization
ACN/AACN	William Ball	Vice President of Public Policy	OnStar
	Gary Wallace	Vice President of Corporate Relations	ATX
PSAP (9-1-1)	Ryan Olson	Asst. 9-1-1 Program Manager	MT Dept of Administration
	Deb Ogden	Center Manager	Missoula 9-1-1 Center
	Chris Lounsbury	Asst. Manager of Operations/Technology	Missoula 9-1-1 Center
Highway Patrol	Tom Butler	Major	MT Hwy Patrol
	Tom Hamilton	Captain	MT Hwy Patrol
	Bill Griffenberg	Chief Information Officer, Information Technology Services Division	MT Dept of Justice

	Norma Pylypuw	Computer Application Engineer	MT Dept of Justice
	Jacob Boltz	Communications Center Manager	MT Hwy Patrol
Police and Sheriffs	Leo Dutton	Sheriff	Lewis and Clark County
	Corey Livesay	Criminal Investigations Division Commander-Lieutenant	Helena Police Department
EMS/Trauma	Jim DeTienne	Supervisor EMS and Trauma Systems Section	MT DPHHS
Hospitals	Todd Harwell	Chief, Chronic Disease Prevention and Health Promotion Bureau	MT DPHHS
American Indians	Darcy Merchant	Asst. Area Injury Prevention Specialist	Billings Area Indian Health Service
Research	Dia Gaynor	Bureau Chief	ID Dept. Of Health EMS Bureau
	George Bahouth	Senior Research Scientist	Pacific Institute for Research & Evaluation

Appendix B: Data Book

VEDS		OnStar		MSO 9-1-1		EMS OPHI-PCR		Police and Sheriff		Hwy Patrol SmartCop CAD Call Hx		Hwy Patrol SmartCop Crash		Trauma		Hospital Discharge & ED	
Ref	Name	Ref	Comment	Ref	Comment	Ref	Comment	Ref	Comment	Ref	Comment	Ref	Comment	Ref	Comment	Ref	Comment
Data Source 1.1																	
	Type	3															
	Incident Originator	4															
	Provider Name	5		43		3				109, 112, 201							
	Incident ID Number	6		433		115		3		3		2	Crash Report #	2, 7		2	
	Call Back Number	7		44		30				110							
Incident Data 1.2																	
	Event Verified Incident Date and Time			40													
	Received Date/Time of Incident	10, 11		433													
	Event Time			55		140						4					
	Location			23		215-223		6-7		91,92		17-19		62			
	Latitude	12		23		218		81, 83		91		17					
	Longitude	13		23		218		82, 83		92		18					
	Location Description	15		23		215-223		6, 7, 10		51-65, 67-92, 216-217		19		58, 134-139			
	Datum	14								51							
	LDT Confidence			433													
	LDT Confidence Percentage																
	Location Time																

	Device Event Type	16		433														
Agency Notified by Voice 1.3																		
	Name																	
	Reference Number																	
	Agency Telephone Number																	
	Agency Contact Address																	
	Agency Contact Time																	
Automated Incident Data 1.4																		
Data from the Vehicle 1.4a																		
<i>Vehicle Data</i>																		
	Body Type			270				98					174					
	USDOT #												290					
	Manufacturer	18																
	Make	19		263				97					181					
	Model	20		264									182					
	Year	21		260				96					180					
	Weight							139					304	categorical				
	Color	22		265									184					
	Power Source																	
	License Plate			261									179					
	VIN	23		266									173					
<i>Owner Data</i>																		
	Owner's Name			150									218-221					
	Owner's Age			157														
	Owner's Gender			152														

	Owner's Language																
	Owner Hearing Impaired																
	Owner Mobility Impaired																
	Owner Speech Impaired																
	Owner Other Condition																
<i>Primary Driver Data</i>																	
	Primary Driver's Age																
	Primary Driver's Gender																
	Primary Driver's Language																
	Primary Driver Hearing Impaired																
	Primary Driver Mobility Impaired																
	Primary Driver Speech Impaired																
	Primary Driver Other Condition																
<i>Other Data from the Vehicle</i>																	
	Owner's State and Province			262				94						176			
	Garaged State and Province	24															
	Hazardous Materials							68, 133						307			

	Tensioner Triggered																
	Occupied																
Post Crash On Scene Data 1.5																	
<i>General Post Crash Data</i>																	
	Number of Occupants		433		213												
<i>Occupant</i>																	
	Occupant's Name		150		153-155		155, 156, 157			96-99		13, 23-25					
	Occupant's Age		157		166, 167		159			108		50		7			
	Occupant's Gender		152		163		158			109		48					
	Conscious		433		296-300, 303							196-199					
	Breathing		433		252, 292-293, 307							192-193					
	Speaking		433		303												
	Moving Arm		433		317, 337, 339												
	Moving Leg		433		319, 338, 340												
	External Bleeding		433		323-342												
	Entrapped		433		261		154			151		208					
	Ejected		433		243		153			89							
	Seat Position	32	433		245		147			82-85							
<i>Child Seat</i>																	
	Restraint Type		433									104					
	Child Weight																

	Injury Patterns			433													
	Seat Type																
	Latch Used				247								103				
Historical (Personal) Medical Data 1.6																	
<i>Provider</i>																	
	Provider Retrieval Method																
	Provider Telephone Number																
	Provider Fax																
	Provider URL																
	Record Update Date																
<i>Subscriber Information</i>																	
	Name																
	Age																
	Gender																
	Language																
	Hearing Impaired																
	Mobility Impaired																
	Speech Impaired																
	Other Condition																
<i>Primary Care Physician</i>																	
	Name				264-266												
	Telephone Number																
<i>Emergency Contact</i>																	
	Name				278	Presence											

							of form											
	Telephone Number																	
	Alternate TN																	
<i>Other Subscriber Information</i>																		
	Medical History					270	Injured Person's											
	Allergies					268, 269	Injured Person's											
	Medications					274-277	Injured Person's											
	Blood Type																	
	Pregnant					280	Injured Person											
	Organ Donor																	
	Preferred Hospital																	
	Living Will					267	Injured Person's											
<i>Subscriber Government IDs</i>																		
	Driver's License Number					171	Injured Person's											
	Driver's License State Province					170	Injured Person's											
	Social Security Number					162	Injured Person's											
<i>Subscriber Primary Insurance Provider</i>																		
	Insurance Provider Name					174	Injured Person's											
	Policy Number					181	Injured Person's											
	Telephone Number																	
<i>Frequent Drivers/ Occpants (FDO)</i>																		

FDO Age																	
FDO Gender																	
FDO Language																	
FDO Hearing Impaired																	
FDO Mobility Impaired																	
FDO Speech Impaired																	
FDO Other Condition																	

Line #	Category #	Group	Category	Sub-Category	Element
2	1.1	Data Source	Data Source	Data Source	Type
3	1.1	Data Source	Data Source	Data Source	Incident Originator
4	1.1	Data Source	Data Source	Data Source	Provider Name
5	1.1	Data Source	Data Source	Data Source	Incident ID Number
6	1.1	Data Source	Data Source	Data Source	Call Back Number
7	1.2	Incident Data	Incident Date, Time, Location	Incident Date, Time, Location	Event Verified
8	1.2	Incident Data	Incident Date, Time, Location	Incident Date, Time, Location	Incident Date and Time
9	1.2	Incident Data	Incident Date, Time, Location	Incident Date, Time, Location	Received Date/Time of Incident
10	1.2	Incident Data	Incident Date, Time, Location	Incident Date, Time, Location	Event Time
11	1.2	Incident Data	Incident Date, Time, Location	Incident Date, Time, Location	Location
12	1.2	Incident Data	Incident Date, Time, Location	Incident Date, Time, Location	Latitude

13	1.2	Incident Data	Incident Date, Time, Location	Incident Date, Time, Location	Longitude
14	1.2	Incident Data	Incident Date, Time, Location	Incident Date, Time, Location	Location Description
15	1.2	Incident Data	Incident Date, Time, Location	Incident Date, Time, Location	Datum
16	1.2	Incident Data	Incident Date, Time, Location	Incident Date, Time, Location	LDT Confidence
17	1.2	Incident Data	Incident Date, Time, Location	Incident Date, Time, Location	LDT Confidence Percentage
18	1.2	Incident Data	Incident Date, Time, Location	Incident Date, Time, Location	Location Time
19	1.2	Incident Data	Incident Date, Time, Location	Incident Date, Time, Location	Device Event Type
20	1.3	Agency Notified by Voice	Agency Notified by Voice	Agency Notified by Voice	Name
21	1.3	Agency Notified by Voice	Agency Notified by Voice	Agency Notified by Voice	Reference Number
22	1.3	Agency Notified by Voice	Agency Notified by Voice	Agency Notified by Voice	Agency Telephone Number
23	1.3	Agency Notified by Voice	Agency Notified by Voice	Agency Notified by Voice	Agency Contact Address

24	1.3	Agency Notified by Voice	Agency Notified by Voice	Agency Notified by Voice	Agency Contact Time
25	1.4a	Automated Incident Data	Data from the Vehicle	Vehicle Data	Body Type
26	1.4a	Automated Incident Data	Data from the Vehicle	Vehicle Data	USDOT #
27	1.4a	Automated Incident Data	Data from the Vehicle	Vehicle Data	Manufacturer
28	1.4a	Automated Incident Data	Data from the Vehicle	Vehicle Data	Make
29	1.4a	Automated Incident Data	Data from the Vehicle	Vehicle Data	Model
30	1.4a	Automated Incident Data	Data from the Vehicle	Vehicle Data	Year
31	1.4a	Automated Incident Data	Data from the Vehicle	Vehicle Data	Weight
32	1.4a	Automated Incident Data	Data from the Vehicle	Vehicle Data	Color
33	1.4a	Automated Incident Data	Data from the Vehicle	Vehicle Data	Power Source
34	1.4a	Automated Incident Data	Data from the Vehicle	Vehicle Data	License Plate

35	1.4a	Automated Incident Data	Data from the Vehicle	Vehicle Data	VIN
36	1.4a	Automated Incident Data	Data from the Vehicle	Owner Data	Owner's Name
37	1.4a	Automated Incident Data	Data from the Vehicle	Owner Data	Owner's Age
38	1.4a	Automated Incident Data	Data from the Vehicle	Owner Data	Owner's Gender
39	1.4a	Automated Incident Data	Data from the Vehicle	Owner Data	Owner's Language
40	1.4a	Automated Incident Data	Data from the Vehicle	Owner Data	Owner Hearing Impaired
41	1.4a	Automated Incident Data	Data from the Vehicle	Owner Data	Owner Mobility Impaired
42	1.4a	Automated Incident Data	Data from the Vehicle	Owner Data	Owner Speech Impaired
43	1.4a	Automated Incident Data	Data from the Vehicle	Owner Data	Owner Other Condition
44	1.4a	Automated Incident Data	Data from the Vehicle	Primary Driver Data	Primary Driver's Age
45	1.4a	Automated Incident Data	Data from the Vehicle	Primary Driver Data	Primary Driver's Gender

46	1.4a	Automated Incident Data	Data from the Vehicle	Primary Driver Data	Primary Driver's Language
47	1.4a	Automated Incident Data	Data from the Vehicle	Primary Driver Data	Primary Driver Hearing Impaired
48	1.4a	Automated Incident Data	Data from the Vehicle	Primary Driver Data	Primary Driver Mobility Impaired
49	1.4a	Automated Incident Data	Data from the Vehicle	Primary Driver Data	Primary Driver Speech Impaired
50	1.4a	Automated Incident Data	Data from the Vehicle	Primary Driver Data	Primary Driver Other Condition
51	1.4a	Automated Incident Data	Data from the Vehicle	Other Data from the Vehicle	Owner's State and Province
52	1.4a	Automated Incident Data	Data from the Vehicle	Other Data from the Vehicle	Garaged State and Province
53	1.4a	Automated Incident Data	Data from the Vehicle	Other Data from the Vehicle	Hazardous Materials
54	1.4a	Automated Incident Data	Data from the Vehicle	Contents of Vehicle	Contents Quantity
55	1.4b	Automated Incident Data	Crash Data	General Crash Data	Ignition State
56	1.4b	Automated Incident Data	Crash Data	General Crash Data	Heading

57	1.4b	Automated Incident Data	Crash Data	General Crash Data	Orientation
58	1.4b	Automated Incident Data	Crash Data	General Crash Data	Fire
59	1.4b	Automated Incident Data	Crash Data	General Crash Data	Multiple Impacts
60	1.4b	Automated Incident Data	Crash Data	Impacts	Delta Velocity
61	1.4b	Automated Incident Data	Crash Data	Impacts	Crash Pulse Duration
62	1.4b	Automated Incident Data	Crash Data	Impacts	Crash Pulse Location
63	1.4b	Automated Incident Data	Crash Data	Impacts	Principle Direction of Force
64	1.4b	Automated Incident Data	Crash Data	Impacts	Rollover
65	1.4b	Automated Incident Data	Crash Data	Impacts	Digital image location
66	1.4b	Automated Incident Data	Crash Data	Seat Data	Seat
67	1.4b	Automated Incident Data	Crash Data	Airbag Deployed	Deployed

68	1.4b	Automated Incident Data	Crash Data	Airbag Deployed	Location
69	1.4b	Automated Incident Data	Crash Data	Other Seat Data	Belt Monitored
70	1.4b	Automated Incident Data	Crash Data	Other Seat Data	Belt Fastened
71	1.4b	Automated Incident Data	Crash Data	Other Seat Data	Tensioner Triggered
72	1.4b	Automated Incident Data	Crash Data	Other Seat Data	Occupied
73	1.5	Post Crash On Scene Data	General Post Crash Data	General Post Crash Data	Number of Occupants
74	1.5	Post Crash On Scene Data	Occupant	Occupant	Occupant's Name
75	1.5	Post Crash On Scene Data	Occupant	Occupant	Occupant's Age
76	1.5	Post Crash On Scene Data	Occupant	Occupant	Occupant's Gender
77	1.5	Post Crash On Scene Data	Occupant	Occupant	Conscious
78	1.5	Post Crash On Scene Data	Occupant	Occupant	Breathing

79	1.5	Post Crash On Scene Data	Occupant	Occupant	Speaking
80	1.5	Post Crash On Scene Data	Occupant	Occupant	Moving Arm
81	1.5	Post Crash On Scene Data	Occupant	Occupant	Moving Leg
82	1.5	Post Crash On Scene Data	Occupant	Occupant	External Bleeding
83	1.5	Post Crash On Scene Data	Occupant	Occupant	Entrapped
84	1.5	Post Crash On Scene Data	Occupant	Occupant	Ejected
85	1.5	Post Crash On Scene Data	Occupant	Occupant	Seat Position
86	1.5	Post Crash On Scene Data	Child Seat	Child Seat	Restraint Type
87	1.5	Post Crash On Scene Data	Child Seat	Child Seat	Child Weight
88	1.5	Post Crash On Scene Data	Child Seat	Child Seat	Injury Patterns
89	1.5	Post Crash On Scene Data	Child Seat	Child Seat	Seat Type

90	1.5	Post Crash On Scene Data	Child Seat	Child Seat	Latch Used
91	1.6	Historical (Personal) Medical Data	Provider	Provider	Provider Retrieval Method
92	1.6	Historical (Personal) Medical Data	Provider	Provider	Provider Telephone Number
93	1.6	Historical (Personal) Medical Data	Provider	Provider	Provider Fax
94	1.6	Historical (Personal) Medical Data	Provider	Provider	Provider URL
95	1.6	Historical (Personal) Medical Data	Provider	Provider	Record Update Date
96	1.6	Historical (Personal) Medical Data	Subscriber Information	Subscriber Information	Name
97	1.6	Historical (Personal) Medical Data	Subscriber Information	Subscriber Information	Age
98	1.6	Historical (Personal) Medical Data	Subscriber Information	Subscriber Information	Gender
99	1.6	Historical (Personal) Medical Data	Subscriber Information	Subscriber Information	Language
100	1.6	Historical (Personal) Medical Data	Subscriber Information	Subscriber Information	Hearing Impaired

101	1.6	Historical (Personal) Medical Data	Subscriber Information	Subscriber Information	Mobility Impaired
102	1.6	Historical (Personal) Medical Data	Subscriber Information	Subscriber Information	Speech Impaired
103	1.6	Historical (Personal) Medical Data	Subscriber Information	Subscriber Information	Other Condition
104	1.6	Historical (Personal) Medical Data	Primary Care Physician	Primary Care Physician	Name
105	1.6	Historical (Personal) Medical Data	Primary Care Physician	Primary Care Physician	Telephone Number
106	1.6	Historical (Personal) Medical Data	Emergency Contact	Emergency Contact	Name
107	1.6	Historical (Personal) Medical Data	Emergency Contact	Emergency Contact	Telephone Number
108	1.6	Historical (Personal) Medical Data	Emergency Contact	Emergency Contact	Alternate TN
109	1.6	Historical (Personal) Medical Data	Other Subscriber Information	Other Subscriber Information	Medical History
110	1.6	Historical (Personal) Medical Data	Other Subscriber Information	Other Subscriber Information	Allergies
111	1.6	Historical (Personal) Medical Data	Other Subscriber Information	Other Subscriber Information	Medications

112	1.6	Historical (Personal) Medical Data	Other Subscriber Information	Other Subscriber Information	Blood Type
113	1.6	Historical (Personal) Medical Data	Other Subscriber Information	Other Subscriber Information	Pregnant
114	1.6	Historical (Personal) Medical Data	Other Subscriber Information	Other Subscriber Information	Organ Donor
115	1.6	Historical (Personal) Medical Data	Other Subscriber Information	Other Subscriber Information	Preferred Hospital
116	1.6	Historical (Personal) Medical Data	Other Subscriber Information	Other Subscriber Information	Living Will
117	1.6	Historical (Personal) Medical Data	Subscriber Government IDs	Subscriber Government IDs	Driver's License Number
118	1.6	Historical (Personal) Medical Data	Subscriber Government IDs	Subscriber Government IDs	Driver's License State Province
119	1.6	Historical (Personal) Medical Data	Subscriber Government IDs	Subscriber Government IDs	Social Security Number
120	1.6	Historical (Personal) Medical Data	Subscriber Primary Insurance Provider	Subscriber Primary Insurance Provider	Insurance Provider Name
121	1.6	Historical (Personal) Medical Data	Subscriber Primary Insurance Provider	Subscriber Primary Insurance Provider	Policy Number
122	1.6	Historical (Personal) Medical Data	Subscriber Primary Insurance Provider	Subscriber Primary Insurance Provider	Telephone Number

123	1.6	Historical (Personal) Medical Data	Frequent Drivers/ Occupants (FDO)	Frequent Drivers/ Occupants (FDO)	FDO Age
124	1.6	Historical (Personal) Medical Data	Frequent Drivers/ Occupants (FDO)	Frequent Drivers/ Occupants (FDO)	FDO Gender
125	1.6	Historical (Personal) Medical Data	Frequent Drivers/ Occupants (FDO)	Frequent Drivers/ Occupants (FDO)	FDO Language
126	1.6	Historical (Personal) Medical Data	Frequent Drivers/ Occupants (FDO)	Frequent Drivers/ Occupants (FDO)	FDO Hearing Impaired
127	1.6	Historical (Personal) Medical Data	Frequent Drivers/ Occupants (FDO)	Frequent Drivers/ Occupants (FDO)	FDO Mobility Impaired
128	1.6	Historical (Personal) Medical Data	Frequent Drivers/ Occupants (FDO)	Frequent Drivers/ Occupants (FDO)	FDO Speech Impaired
129	1.6	Historical (Personal) Medical Data	Frequent Drivers/ Occupants (FDO)	Frequent Drivers/ Occupants (FDO)	FDO Other Condition

Line #	OnStar Data Element	OnStar Data Set	Value	Included in VEDS	VEDS Element
					1.1 Data Source
3	Data Source Type	B	Telematics Service Provider	x	Type
4	Incident Originator	B	TRUE	x	Incident Originator
5	Provider Name	B	OnStar	x	Provider Name
6	Incident ID	B	OnStar Case ID	x	Incident ID
7	Call Back Number	B	OnStar Call Center 800 #	x	Call Back Number
					1.2 Incident Data
9				x	Event Verified
10	Received Date	A	Date at which data is received into OCC	x	Date Stamp
11	Received Time	A	Time at which data is received into OCC	x	Received Time
12	Latitude	A	Latitude of incident	x	Latitude
13	Longitude	A	Longitude of incident	x	Longitude
14	Datum	A	GIS map projection scheme	x	Datum
15	Location Description	B	(Used to send incident state to help CARS route to the appropriate state webserver)	x	Location Description
16	Device Event Type	A	ACN, AACN, or SOS	x	Device Event Type

					1.4a Vehicle Data
18	Manufacturer	B	General Motors	x	Manufacturer
19	Make	B	Chrvrolet, Pontiac, etc.	x	Make
20	Model	B	Lumina, Cavalier, etc.	x	Model
21	Year	B		x	Year
22	Color	B		x	Colors
23	VIN	B		x	VIN
24	Garaged State	B	State where car is garaged	x	Garaged State
					1.4b Crash Data
26	Delta Velocity	B	Delta-v for each impact (up to 2)	x	Delta velocity
27	PDOF	B	PDOF for each impact (up to 2)	x	Principal direction of force (PDOF)
28	Pre-crash Heading	A	Heading prior to event	x	Pre-crash heading
29	Rollover	A	Rollover for each impact Impact - yes or know if any impact experienced a rollover - (value ascribed to the first impact)	x	Rollover
30	Multiple Impacts	B	True / false	x	Multiple impacts
					1.5 Seat Data
32	Seat Position	B	(Needed to support airbag deployed)	x	Seat Position

33	Airbag Deployed	B	True for each distinct airbag reported to be deployed	x	Airbag deployed
34	Location	B	(Needed to support airbag deployed)	x	Location (of deployed airbag)
Note: OnStar provided a data dictionary limited to VEDS elements.					

Line #	VEDS element	Cad Table Name	Table	DBTableName	DBFieldName	Description
2		CadAddressTable	cadaddrdb2	cadaddrdb2	cfs_numbr	The CFS Number
3			cadaddrdb2	cadaddrdb2	addr_pre	Prefix of the Incident Address (NWSE...)
4			cadaddrdb2	cadaddrdb2	addr_street	Street Name of the Incident Address (Main, Elm, 42nd, ...)
5			cadaddrdb2	cadaddrdb2	addr_suf	Suffix of the Incident Address (NWSE...)
6			cadaddrdb2	cadaddrdb2	addr_stype	Type of street (Ave., Blvd., Rd., ...)
7			cadaddrdb2	cadaddrdb2	addr_fullstreet	Full name of Incident Address (Number Prefix, Street Name, Suffix, Street Type)
8			cadaddrdb2	cadaddrdb2	addr_number	Number associated with the Incident Address
9			cadaddrdb2	cadaddrdb2	landmark	Any landmark name associated with the Incident Address
10						
11		CadBoundaryTable	cadbnddb2	cadbnddb2	bnd_nmbr	The CFS Number - Foreign Key into the cadcfsdb2

						table
12			cadbnddb2	cadbnddb2	bind_id	The boundary description
13			cadbnddb2	cadbnddb2	resp_level	The response level of the boundary
14			cadbnddb2	cadbnddb2	resp_code	The Response code of the boundary
15			cadbnddb2	cadbnddb2	cfs_numbr	The CFS Number
16			cadbnddb2	cadbnddb2	bound_id	The logical ID associated with the response level and response code of the boundary definition
17			cadbnddb2	cadbnddb2	agency	The Agency related to the boundary definition
18						
19		CadCallForServiceTable	cadcfldb2	cadcfldb2	cfs_arch	Always "0001"
20			cadcfldb2	cadcfldb2	cfs_numbr	Call for Service (CFS) Number - Primary key
21			cadcfldb2	cadcfldb2	priority	Priority of the Incident Code
22			cadcfldb2	cadcfldb2	inc_code	Incident Code
23	1.2 Location, Latitude, Longitude, Location Descriptio		cadcfldb2	cadcfldb2	address	Incident Address

	n					
24			cadcfldb2	cadcfldb2	landmark	Landmark
25			cadcfldb2	cadcfldb2	apt_number	Any apartment number associated with the Incident Address
26			cadcfldb2	cadcfldb2	city	City of the Incident Address
27			cadcfldb2	cadcfldb2	address_x	X-coordinate of the Address
28			cadcfldb2	cadcfldb2	address_y	Y-coordinate of the Address
29			cadcfldb2	cadcfldb2	zone1	Not filled
30			cadcfldb2	cadcfldb2	zone2	Not filled
31			cadcfldb2	cadcfldb2	addrtype	Agency of the First matching boundary
32			cadcfldb2	cadcfldb2	onbound	Not filled
33			cadcfldb2	cadcfldb2	bound1	Not filled
34			cadcfldb2	cadcfldb2	bound2	Not filled
35			cadcfldb2	cadcfldb2	bound3	Not filled
36			cadcfldb2	cadcfldb2	bound4	Not filled
37			cadcfldb2	cadcfldb2	alarm_no	Any alarm associated with the Incident Address

38			cadcfbdb2	cadcfbdb2	offr_cntct	Officer contract? Yes or No
39			cadcfbdb2	cadcfbdb2	line_number	Phone Line; alt "Dispatch Cntr." for SCFC burn notification
40	1.2 Event Verified		cadcfbdb2	cadcfbdb2	how_recd	How the CFS was received
41			cadcfbdb2	cadcfbdb2	in_progres	Is the CFS in progress? Yes or No
42			cadcfbdb2	cadcfbdb2	call_taker	Calltaker who answered the CFS
43	1.1 Provider Name		cadcfbdb2	cadcfbdb2	complainan	Complainant's name
44	1.1 Call back #		cadcfbdb2	cadcfbdb2	curr_phone	Complainant's phone
45			cadcfbdb2	cadcfbdb2	comp_addre	Reporting Person's Address
46			cadcfbdb2	cadcfbdb2	res_phone	Complainant's residence phone
47			cadcfbdb2	cadcfbdb2	weapon	Weapon associated with this CFS?
48			cadcfbdb2	cadcfbdb2	dispatcher	Dispatcher who processed this CFS
49			cadcfbdb2	cadcfbdb2	priunit	Primary unit attached to the CFS
50			cadcfbdb2	cadcfbdb2	finaldisp	Any Final Disposition

						attached to the CFS
51			cadcfbdb2	cadcfbdb2	building	Any building names associated with the incident locatoin
52			cadcfbdb2	cadcfbdb2	busname	Any business names associated with the incident location
53			cadcfbdb2	cadcfbdb2	stmp_rcvd	Date and time the CFS was received
54			cadcfbdb2	cadcfbdb2	time_rcvd	Time the CFS was received
55	1.2 Event Time		cadcfbdb2	cadcfbdb2	TimeReceived	Time the CFS was received
56			cadcfbdb2	cadcfbdb2	dow_rcvd	Day of the week the CFS was received
57			cadcfbdb2	cadcfbdb2	stmp_sent	Date and time the CFS was sent to a dispatcher
58			cadcfbdb2	cadcfbdb2	time_sent	Time the CFS was sent to a dispatcher
59			cadcfbdb2	cadcfbdb2	TimeSent	Time the CFS was sent to a dispatcher
60			cadcfbdb2	cadcfbdb2	dow_sent	Day of the week the CFS was sent to a dispatcher
61			cadcfbdb2	cadcfbdb2	stmp_disp	Date and time a unit attached to a CFS first changed status to

						DISPATCHED
62			cadcfbdb2	cadcfbdb2	time_disp	Time a unit attached to a CFS first changed status to DISPATCHED
63			cadcfbdb2	cadcfbdb2	DispatchTime	Time a unit attached to a CFS changed status to DISPATCHED
64			cadcfbdb2	cadcfbdb2	dow_disp	Day of the week a unit attached to a CFS first changed status to DISPATCHED
65			cadcfbdb2	cadcfbdb2	stmp_cenrt	Date and time a unit attached to a CFS first changed status to EN ROUTE
66			cadcfbdb2	cadcfbdb2	time_cenrt	Time a unit attached to a CFS first changed status to EN ROUTE
67			cadcfbdb2	cadcfbdb2	cenrtTime	Time a unit attached to a CFS first changed status to EN ROUTE
68			cadcfbdb2	cadcfbdb2	dow_cenrt	Day of the week a unit attached to a CFS first changed status to EN ROUTE
69			cadcfbdb2	cadcfbdb2	stmp_consc	Date and time a unit attached to a CFS first changed status to ON

						SCENE
70			cadcfldb2	cadcfldb2	time_consc	Time a unit attached to a CFS first changed status to ON SCENE
71			cadcfldb2	cadcfldb2	conscTime	Time a unit attached to a CFS first changed status to ON SCENE
72			cadcfldb2	cadcfldb2	dow_consc	Day of the week a unit attached to a CFS first changed status to ON SCENE
73			cadcfldb2	cadcfldb2	stmp_cmpl	Date and time the CFS was COMPLETED
74			cadcfldb2	cadcfldb2	time_cmpl	Time the CFS was COMPLETED
75			cadcfldb2	cadcfldb2	CompletionTime	Time the CFS was COMPLETED
76			cadcfldb2	cadcfldb2	dow_cmpl	Day of the week the CFS was COMPLETED
77			cadcfldb2	cadcfldb2	stamp_att_any	Always '9999-12-31-24.00.00.000000'
78			cadcfldb2	cadcfldb2	tim_att_any	Always '24.00.00'
79			cadcfldb2	cadcfldb2	TimeAttAny	Not filled
80			cadcfldb2	cadcfldb2	dow_att_any	Always " (blank)
81			cadcfldb2	cadcfldb2	duration	The difference between the

						time completed and the time received (in seconds)
82			cadcfldb2	cadcfldb2	routetime	The difference between the time sent and the time received (in seconds)
83			cadcfldb2	cadcfldb2	disptime	The difference between the time dispatched and the time sent (in seconds)
84			cadcfldb2	cadcfldb2	Agency	Agency of the unit attached to the CFS
85			cadcfldb2	cadcfldb2	station	The boundary description
86			cadcfldb2	cadcfldb2	district	The boundary description
87			cadcfldb2	cadcfldb2	zone	The boundary description
88			cadcfldb2	cadcfldb2	map_page	Map Page
89			cadcfldb2	cadcfldb2	platoon	Not filled
90			cadcfldb2	cadcfldb2	cancelled	Does the How Recd field contain the letter C?
91			cadcfldb2	cadcfldb2	missing_times	Complete with +1 for each of STMP_RCVD
92			cadcfldb2	cadcfldb2	LinkIndex	Index into the Links Table for RMS
93			cadcfldb2	cadcfldb2	Floor	Floor of the building
94			cadcfldb2	cadcfldb2	XField1	Intoxicated

95			cadcfldb2	cadcfldb2	XField2	Emergency Medical Description
96			cadcfldb2	cadcfldb2	XField3	Varies by site; default label is "XField3:" but configurable in FieldNames.dat
97			cadcfldb2	cadcfldb2	XField4	Varies by site; default label is "XField4:" but configurable in FieldNames.dat
98			cadcfldb2	cadcfldb2	stmp_arch	DateTime Archived
99			cadcfldb2	cadcfldb2	time_arch	Time Archived
100			cadcfldb2	cadcfldb2	dow_arch	DOW Archived
101			cadcfldb2	cadcfldb2	inc_descript	Incident Code Description
102			cadcfldb2	cadcfldb2	Comp_x	Complaint Address X coordinate
103			cadcfldb2	cadcfldb2	Comp_y	Complaint Address Y coordinate
104			cadcfldb2	cadcfldb2	IncLatitude	Incident Address Latitude
105			cadcfldb2	cadcfldb2	IncLongitude	Incident Address Longitude
106			cadcfldb2	cadcfldb2	CompLatitude	Complaint Address Latitude
107			cadcfldb2	cadcfldb2	CompLongitude	Complaint Address Longitude

108			cadcfbdb2	cadcfbdb2	XField5	Extra fields - Not Filled
109			cadcfbdb2	cadcfbdb2	XField6	Extra fields - Not Filled
110			cadcfbdb2	cadcfbdb2	XField7	Extra fields - Not Filled
111			cadcfbdb2	cadcfbdb2	BoundaryId	Logical Boundary Id of the CFS Address; displayed in unlabelled boundary list
112			cadcfbdb2	cadcfbdb2	Stmp_Strt	SCFC Burn start time
113			cadcfbdb2	cadcfbdb2	Time_Strt	SCFC Burn start time
114			cadcfbdb2	cadcfbdb2	Dow_Strt	SCFC Burn start day of the week
115			cadcfbdb2	cadcfbdb2	XField10	Extra fields - Not Filled
116			cadcfbdb2	cadcfbdb2	XField11	Extra fields - Not Filled
117			cadcfbdb2	cadcfbdb2	XField12	Extra fields - Not Filled
118			cadcfbdb2	cadcfbdb2	XField8	Extra fields - Not Filled
119			cadcfbdb2	cadcfbdb2	XField13	Extra fields - Not Filled
120			cadcfbdb2	cadcfbdb2	XField9	Extra fields - Not Filled
121						
122		CadCommandLineTable	cadcombdb2	cadcombdb2	com_arch	Always "0002"
123			cadcombdb2	cadcombdb2	com_numbr	The CFS Number - Foreign Key into the cadcfbdb2 table

124			cadcomdb2	cadcomdb2	sequence	Not filled
125			cadcomdb2	cadcomdb2	stmp_creat	Date and time the comment was attached to a CFS
126			cadcomdb2	cadcomdb2	time_creat	Time the comment was created
127			cadcomdb2	cadcomdb2	dow_creat	Day of the week the comment was created
128			cadcomdb2	cadcomdb2	com_name	Name of the user who attached the comment to the CFS
129			cadcomdb2	cadcomdb2	com_ment	Comment attached to a CFS
130			cadcomdb2	cadcomdb2	cfs_numbr	The CFS Number
131						
132		CadDRNumberTable	caddrndb2	caddrndb2	drn_arch	Always "0004"
133			caddrndb2	caddrndb2	drn_nmbr	The CFS Number - Foreign Key into the cadcfsdb2 table
134			caddrndb2	caddrndb2	d_agency	The Agency associated with the DR Number
135			caddrndb2	caddrndb2	dr_nmbr	Desk Reference Number associated with a CFS
136			caddrndb2	caddrndb2	stmp_att_drn	Always '9999-12-31-24.00.00.000000'

137			caddrndb2	caddrndb2	stmp_onsc_drn	Always '9999-12-31-24.00.00.000000'
138			caddrndb2	caddrndb2	stmp_ofsc_drn	Always '9999-12-31-24.00.00.000000'
139			caddrndb2	caddrndb2	resptime	Always "-999"
140			caddrndb2	caddrndb2	dr_duration	Always "-999"
141			caddrndb2	caddrndb2	cfs_numbr	The CFS Number
142			caddrndb2	caddrndb2	Unit	Unit Associated with DR number
143						
144		CadPersonTable	cadperdb2	cadperdb2	per_arch	Always "0006"
145			cadperdb2	cadperdb2	per_nmbr	The CFS Number - Foreign Key into the cadcfsdb2 table
146			cadperdb2	cadperdb2	stamp_cre	Date and time the person info was attached to a CFS
147			cadperdb2	cadperdb2	tim_cre	Time the person informatino was attached to a CFS
148			cadperdb2	cadperdb2	dow_cre	Day of the week the person information was attached to a CFS
149			cadperdb2	cadperdb2	arm_dan	Person armed and dangerous?

150	1.4a Owner's Name, 1.5 Occupant' s Name		cadperdb2	cadperdb2	name	Name of person (Last, First, Middle)
151			cadperdb2	cadperdb2	ssn	Person's Social Security Number
152	1.4a Owner's Gender, 1.5 Occupant' s Gender		cadperdb2	cadperdb2	sex	Person's sex
153			cadperdb2	cadperdb2	dob_str	Person's Date of Birth - String Format
154			cadperdb2	cadperdb2	dob	Person's Date of Birth - Date Format
155			cadperdb2	cadperdb2	race	Person's Race
156			cadperdb2	cadperdb2	age_str	Person's Age
157	1.4a Owner's Age, 1.5 Occupant' s Age		cadperdb2	cadperdb2	age	Person's Age Integer
158			cadperdb2	cadperdb2	ageunit	Not filled
159			cadperdb2	cadperdb2	ageyear	Not filled

160			cadperdb2	cadperdb2	height_str	Person's Height - String Format
161			cadperdb2	cadperdb2	height	Person's Height - Integer
162			cadperdb2	cadperdb2	weight_str	Person's Weight - String Format
163			cadperdb2	cadperdb2	weight	Person's Weight - Integer
164			cadperdb2	cadperdb2	hair	Person's hair color
165			cadperdb2	cadperdb2	eyes	Person's eye color
166			cadperdb2	cadperdb2	complx	Person's complexion
167			cadperdb2	cadperdb2	drlic	Operator License Number
168			cadperdb2	cadperdb2	per_state	Person's state
169			cadperdb2	cadperdb2	per_address	Person's address
170			cadperdb2	cadperdb2	per_phone	Person's phone number
171			cadperdb2	cadperdb2	per_stored	Indicates if the person record was stored in the GenInfo database
172			cadperdb2	cadperdb2	per_gid_type	General Information database Type (BOLO, Missing Person, Suspect)
173			cadperdb2	cadperdb2	lsw	What the person was last seen wearing
174			cadperdb2	cadperdb2	per_misc	Miscellaneous information about the person

175			cadperdb2	cadperdb2	per_reqby	Person Who Requested the Query
176			cadperdb2	cadperdb2	cfs_numbr	The CFS Number
177			cadperdb2	cadperdb2	pxfield1	Extra fields - Not Filled
178			cadperdb2	cadperdb2	pxfield2	Extra fields - Not Filled
179			cadperdb2	cadperdb2	pxfield3	Extra fields - Not Filled
180			cadperdb2	cadperdb2	pxfield4	Extra fields - Not Filled
181						
182		CadReadinessTable	CadReadinessLevel	CadReadinessLevel	SectorID	
183			CadReadinessLevel	CadReadinessLevel	EnteredDate	
184			CadReadinessLevel	CadReadinessLevel	ReadinessLevel	
185			CadReadinessLevel	CadReadinessLevel	UserName	
186						
187		CadRosterTable	cadrosdb2	cadrosdb2	ros_arch	
188			cadrosdb2	cadrosdb2	ros_number	
189			cadrosdb2	cadrosdb2	ros_beg_stmp	
190			cadrosdb2	cadrosdb2	ros_end_stmp	
191			cadrosdb2	cadrosdb2	ros_user	
192			cadrosdb2	cadrosdb2	ros_host	
193			cadrosdb2	cadrosdb2	ros_type	

194						
195		CadSectorsTable	CadSectors	CadSectors	SectorID	
196			CadSectors	CadSectors	SectorName	
197			CadSectors	CadSectors	RegionID	
198						
199		CadSubUnitTable	cadsubdb2	cadsubdb2	sub_arch	
200			cadsubdb2	cadsubdb2	sub_num	
201			cadsubdb2	cadsubdb2	unt_number	Unit identifier
202			cadsubdb2	cadsubdb2	sub_unit_id	Subunit name or identifier
203			cadsubdb2	cadsubdb2	sub_unit_desc	Subunit description or attributes
204			cadsubdb2	cadsubdb2	cfs_numbr	
205						
206		CadUnitTrakTable	cadtrkdb2	cadtrkdb2	trk_arch	Always "0015"
207			cadtrkdb2	cadtrkdb2	trk_number	A sequence number generated by cad2rms(d)
208			cadtrkdb2	cadtrkdb2	unt_stmp_chg	Date and time the unit changed status
209			cadtrkdb2	cadtrkdb2	unt_trk_stat	Status of the unit
210			cadtrkdb2	cadtrkdb2	unt_number	Unit Identifier
211			cadtrkdb2	cadtrkdb2	lnkunt	Linked Unit Number

212			cadtrkdb2	cadtrkdb2	dbl_number	Unit identifier and Linked Unit Number separated by "/" (slash)
213			cadtrkdb2	cadtrkdb2	untcfsNumber	CFS Number to which the unit was attached
214			cadtrkdb2	cadtrkdb2	zone	Zone to which the unit was attached
215			cadtrkdb2	cadtrkdb2	incCode	Incident Code of the CFS to which the unit was attached
216			cadtrkdb2	cadtrkdb2	location	Incident Location of the CFS to which the unit was attached
217			cadtrkdb2	cadtrkdb2	message	Any messages attached to the unit
218			cadtrkdb2	cadtrkdb2	trk_type	Unit = 5; SubUnit = 23
219			cadtrkdb2	cadtrkdb2	UserName	Unit identified if change made via switcher else User making unit change
220			cadtrkdb2	cadtrkdb2	Location_x	Unit's geocode location when Address changes
221			cadtrkdb2	cadtrkdb2	Location_y	Unit's geocode location when Address changes
222			cadtrkdb2	cadtrkdb2	Latitude	Unit's location when Address changes
223			cadtrkdb2	cadtrkdb2	Longitude	Unit's location when

						Address changes
224			cadtrkdb2	cadtrkdb2	Mileage	Not filled
225			cadtrkdb2	cadtrkdb2	bndxfield	County as translated by ZoneCounty.dat; enabled with "(cad2rmsd) fill county in cadtrkdb2 table = True"
226			cadtrkdb2	cadtrkdb2	Boundary	Not filled
227			cadtrkdb2	cadtrkdb2	EventType	The reason for updating an AVL enabled unit
228			cadtrkdb2	cadtrkdb2	UXField1	Extra fields - Not Filled
229			cadtrkdb2	cadtrkdb2	UXField2	Extra fields - Not Filled
230						
231		CadUnitTable	caduntdb2	caduntdb2	unt_arch	Always "0017"
232			caduntdb2	caduntdb2	unt_nmbr	The CFS Number - Foreign Key into the cadcfsdb2 table
233			caduntdb2	caduntdb2	un_nmbr	Unit identifier
234			caduntdb2	caduntdb2	u_agency	Agency of unit
235			caduntdb2	caduntdb2	new_stat	Status of a unit
236			caduntdb2	caduntdb2	stamp_change	Date and time the unit changed status
237			caduntdb2	caduntdb2	tim_change	Time a unit changed status

238			caduntdb2	caduntdb2	dow_change	Day of the week a unit changed status
239			caduntdb2	caduntdb2	zone	Zone
240			caduntdb2	caduntdb2	cfs_numbr	The CFS Number
241			caduntdb2	caduntdb2	Uxfield	Extra fields - Not Filled
242						
243		CadUnitTimeTable	CadUntTime	cadunttime	u_tm_nmbr	
244			CadUntTime	cadunttime	u_rcvd2enrt	
245			CadUntTime	cadunttime	u_sent2enrt	
246			CadUntTime	cadunttime	u_disp2enrt	
247			CadUntTime	cadunttime	u_rcvd2onsc	
248			CadUntTime	cadunttime	u_sent2onsc	
249			CadUntTime	cadunttime	u_disp2onsc	
250			CadUntTime	cadunttime	u_enrt2onsc	
251						
252		CadVehicleTable	cadvehdb2	cadvehdb2	veh_arch	Always "0005"
253			cadvehdb2	cadvehdb2	veh_nmbr	The CFS Number - Foreign Key into the cadcfsdb2 table
254			cadvehdb2	cadvehdb2	status	Vehicle's status
255			cadvehdb2	cadvehdb2	stmp_cre	Date and time the vehicle

						information was attached to a CFS
256			cadvehdb2	cadvehdb2	time_cre	Time the vehicle information was attached to a CFS
257			cadvehdb2	cadvehdb2	dow_time	Day of the week the vehicle was attached to a CFS
258			cadvehdb2	cadvehdb2	arm_dang	Is the person operating the vehicle armed and dangerous?
259			cadvehdb2	cadvehdb2	year_str	Vehicle's year
260	1.4a Year		cadvehdb2	cadvehdb2	year	
261	1.4a License Plate		cadvehdb2	cadvehdb2	license	Vehicle's license
262	1.4a Owner's State and Province		cadvehdb2	cadvehdb2	state	Vehicle's license state
263	1.4a Make		cadvehdb2	cadvehdb2	make	Vehicle's make
264	1.4a Model		cadvehdb2	cadvehdb2	model	Vehicle's model
265	1.4a Color		cadvehdb2	cadvehdb2	color	Vehicle's color
266	1.4a VIN		cadvehdb2	cadvehdb2	vin	Vehicle's Identification Number

267			cadvehdb2	cadvehdb2	type	License Type
268			cadvehdb2	cadvehdb2	veh_stored	Vehicle Stored
269			cadvehdb2	cadvehdb2	veh_gid_type	General Info Database record type; configurable in GIDBTypes.dat (e.g. BOLO, Suspect)
270	1.4a Body Type		cadvehdb2	cadvehdb2	VehType	Vehicle Type
271			cadvehdb2	cadvehdb2	veh_reqby	Person Who Requested Query
272			cadvehdb2	cadvehdb2	veh_licyr	Vehicle License Year
273			cadvehdb2	cadvehdb2	cfs_numbr	The CFS Number
274			cadvehdb2	cadvehdb2	vxfield1	Extra fields - Not Filled
275			cadvehdb2	cadvehdb2	veh_misc	Miscellaneous information associated with the vehicle
276			cadvehdb2	cadvehdb2	TextInfo	Large miscellaneous text field
277						
278		CadWeatherTable	CadWeatherManagement	CadWeatherManagement	WeatherZoneID	
279			CadWeatherManagement	CadWeatherManagement	CategoryDay	
280			CadWeatherManagement	CadWeatherManagement	TransportDirection	

281			CadWeatherManagem ent	CadWeatherManagem ent	TransportSpeed	
282			CadWeatherManagem ent	CadWeatherManagem ent	SurfaceDirection	
283			CadWeatherManagem ent	CadWeatherManagem ent	SurfaceSpeed	
284			CadWeatherManagem ent	CadWeatherManagem ent	NightDispersion	
285			CadWeatherManagem ent	CadWeatherManagem ent	UserName	
286			CadWeatherManagem ent	CadWeatherManagem ent	EnteredDate	
287						
288		CadWeatherZonesTable	CadWeatherZones	CadWeatherZones	WeatherZoneID	
289			CadWeatherZones	CadWeatherZones	WeatherZoneNa me	
290			CadWeatherZones	CadWeatherZones	RegionID	
291						
292		CadCrossReferenceTable	cadxrefdb2	cadxrefdb2	cfs_numbr	The CFS Number - Foreign Key into the cadcfsdb2 table
293			cadxrefdb2	cadxrefdb2	xref_cfs	CFS Number of cross-refed cfs
294			cadxrefdb2	cadxrefdb2	origin	Not filled

295			cadxrefdb2	cadxrefdb2	typeofxref	Type of Cross Reference
296						
297		CadCFSTableForTimeDifference	CFS	cadcfbdb2	cfs_arch	Always '0001'
298			CFS	cadcfbdb2	cfs_numbr	The call for service number of the incident. Part 1 of 1 part primary key.
299			CFS	cadcfbdb2	priority	The priority of the CFS.
300			CFS	cadcfbdb2	inc_code	The code for the incident.
301			CFS	cadcfbdb2	address	The location of the incident.
302			CFS	cadcfbdb2	landmark	The landmark name associated with the address.
303			CFS	cadcfbdb2	apt_number	The apartment associated with the incident address.
304			CFS	cadcfbdb2	city	The city associated with the incident address.
305			CFS	cadcfbdb2	address_x	the X coordinate of the Person's address
306			CFS	cadcfbdb2	address_y	the Y coordinate of the Person's address
307			CFS	cadcfbdb2	zone1	The zones in which the incident occurred.
308			CFS	cadcfbdb2	zone2	The zones in which the

						incident occurred.
309			CFS	cadcfldb2	addrtype	The address type.
310			CFS	cadcfldb2	onbound	Boundary Information
311			CFS	cadcfldb2	bound1	Not Filled
312			CFS	cadcfldb2	bound2	Not Filled
313			CFS	cadcfldb2	bound3	Not Filled
314			CFS	cadcfldb2	bound4	Not Filled
315			CFS	cadcfldb2	alarm_no	Indicates whether the person had a security alarm.
316			CFS	cadcfldb2	offr_cntct	Indicates whether the complainant requested to speak with an officer.
317			CFS	cadcfldb2	line_number	The phone line on which the call was received.
318			CFS	cadcfldb2	how_recd	The description of the source of the dispatch initiating the CFS.
319			CFS	cadcfldb2	in_progres	Indicates whether the incident was in progress at the time of the CFS.
320			CFS	cadcfldb2	call_taker	The login name of the call taker who entered the CFS.
321			CFS	cadcfldb2	complainan	The name of the person

						placing the CFS.
322			CFS	cadcfldb2	curr_phone	The phone number from which the complainant called.
323			CFS	cadcfldb2	comp_adre	The complainant's home address.
324			CFS	cadcfldb2	res_phone	The complainant's home telephone number.
325			CFS	cadcfldb2	weapon	Indicates if a weapon was involved in the CFS.
326			CFS	cadcfldb2	dispatcher	The name of the dispatcher.
327			CFS	cadcfldb2	priunit	The reporting officer for a generated Records report.
328			CFS	cadcfldb2	finaldisp	The Final Disposition of the CFS.
329			CFS	cadcfldb2	building	The building number associated with the address.
330			CFS	cadcfldb2	busname	The business name associated with the address.
331			CFS	cadcfldb2	stmp_rcvd	The date and time that the call occurred.
332			CFS	cadcfldb2	time_rcvd	The time the call occurred.

333			CFS	cadcfldb2	dow_rcvd	The day of the week on which the incident occurred.
334			CFS	cadcfldb2	stmp_sent	The date and time that the units were sent to respond.
335			CFS	cadcfldb2	time_sent	The time the units were sent to the CFS.
336			CFS	cadcfldb2	dow_sent	The day of the week of the time_sent
337			CFS	cadcfldb2	stmp_disp	The date and time the CFS was dispatched.
338			CFS	cadcfldb2	time_disp	The time the CFS was dispatched.
339			CFS	cadcfldb2	dow_disp	The day of the week of the time_disp.
340			CFS	cadcfldb2	stmp_cenrt	The date and time the CFS went EnRoute.
341			CFS	cadcfldb2	time_cenrt	The time the CFS went EnRoute.
342			CFS	cadcfldb2	dow_cenrt	The day of the week the CFS went EnRoute.
343			CFS	cadcfldb2	stmp_consc	The date and time the CFS went OnScene.
344			CFS	cadcfldb2	time_consc	The time the CFS went Onscene.
345			CFS	cadcfldb2	dow_consc	The day of the week the

						CFS wend OnScene.
346			CFS	cadcfbdb2	stmp_cmpl	The date the CFS was completed.
347			CFS	cadcfbdb2	time_cmpl	The time the CFS was completed.
348			CFS	cadcfbdb2	dow_cmpl	The day of the week the CFS was completed.
349			CFS	cadcfbdb2	stamp_att_any	Always '9999-12-31-24.00.00.000000'
350			CFS	cadcfbdb2	tim_att_any	Always '24.00.00'
351			CFS	cadcfbdb2	dow_att_any	Always " (blank)
352			CFS	cadcfbdb2	duration	The difference between the time completed and the time received (in seconds)
353			CFS	cadcfbdb2	routetime	The difference between the time sent and the time received (in seconds)
354			CFS	cadcfbdb2	disptime	The time units were dispatched.
355			CFS	cadcfbdb2	LinkIndex	The link index number.
356			CFS	cadcfbdb2	agency	Description of the agency the event occurred in (not filled by default)
357			CFS	cadcfbdb2	ZONE	Used for Print Report

358			CFS	cadcfldb2	INC_DESCRIPTOR	Used for Print Report
359			CFS	cadcfldb2	XFIELD4	Used for Print Report
360			CFS	cadcfldb2	cancelled	Used for Print Report
361			CFS	cadcfldb2	CENRTIME	Used for Print Report
362			CFS	cadcfldb2	COMPLETIONTIME	Used for Print Report
363			CFS	cadcfldb2	CONSCTIME	Used for Print Report
364			CFS	cadcfldb2	DISTRICT	Used for Print Report
365			CFS	cadcfldb2	DOW_ARCH	Used for Print Report
366			CFS	cadcfldb2	FLOOR	Used for Print Report
367			CFS	cadcfldb2	TimeReceived	Used for Print Report
368			CFS	cadcfldb2	MAP_PAGE	Used for Print Report
369			CFS	cadcfldb2	MISSING_TIMES	Used for Print Report
370			CFS	cadcfldb2	STATION	Used for Print Report
371			CFS	cadcfldb2	STMP_ARCH	Used for Print Report
372			CFS	cadcfldb2	TIME_ARCH	Used for Print Report
373			CFS	cadcfldb2	XFIELD1	Used for Print Report
374			CFS	cadcfldb2	DispatchTime	Used for Print Report
375			CFS	cadcfldb2	TimeSent	Used for Print Report
376			CFS	cadcfldb2	XFIELD3	Used for Print Report

377			CFS	cadcfldb2	XFIELD2	Used for Print Report
378			CFS	cadcfldb2	Inclatitude	
379			CFS	cadcfldb2	Inclongitude	
380			CFS	cadcfldb2	BoundaryID	
381			CFS	cadcfldb2	RcvdDate	The date and time that the call occurred.
382			CFS	cadcfldb2	Time_Strt	
383			CFS	cadcfldb2	Comp_x	Complaint Address X coordinate
384			CFS	cadcfldb2	Comp_y	Complaint Address Y coordinate
385			CFS	cadcfldb2	CompLongitude	Complaint Address Longitude
386			CFS	cadcfldb2	Dow_Strt	SCFC Burn start day of the week
387			CFS	cadcfldb2	platoon	Not filled
388			CFS	cadcfldb2	Stmp_Strt	SCFC Burn start time
389			CFS	cadcfldb2	TimeAttAny	Not filled
390			CFS	cadcfldb2	XField5	Used for Print Report
391			CFS	cadcfldb2	XField6	Used for Print Report
392			CFS	cadcfldb2	XField7	Used for Print Report

393			CFS	cadcfldb2	XField10	Used for Print Report
394			CFS	cadcfldb2	XField11	Used for Print Report
395			CFS	cadcfldb2	XField12	Used for Print Report
396			CFS	cadcfldb2	XField8	Used for Print Report
397			CFS	cadcfldb2	XField13	Used for Print Report
398			CFS	cadcfldb2	XField9	Used for Print Report
399						
400			CFSEoundary	cadbnddb2	bnd_nmbr	The CFS number this boundary record is associated with.
401			CFSEoundary	cadbnddb2	bind_id	The boundary description.
402			CFSEoundary	cadbnddb2	resp_level	The response level.
403			CFSEoundary	cadbnddb2	resp_code	The response code.
404			CFSEoundary	cadbnddb2	agency	Agency associated with this boundry
405						
406			CFSCadTrk	cadtrkdb2	trk_arch	
407			CFSCadTrk	cadtrkdb2	trk_number	
408			CFSCadTrk	cadtrkdb2	unt_stmp_chg	
409			CFSCadTrk	cadtrkdb2	unt_trk_stat	
410			CFSCadTrk	cadtrkdb2	unt_number	

411			CFSCadTrk	cadtrkdb2	Inkunt	
412			CFSCadTrk	cadtrkdb2	dbl_number	
413			CFSCadTrk	cadtrkdb2	untcfsNumber	
414			CFSCadTrk	cadtrkdb2	zone	
415			CFSCadTrk	cadtrkdb2	incCode	
416			CFSCadTrk	cadtrkdb2	location	
417			CFSCadTrk	cadtrkdb2	message	
418			CFSCadTrk	cadtrkdb2	trk_type	
419			CFSCadTrk	cadtrkdb2	UserName	
420			CFSCadTrk	cadtrkdb2	Location_x	
421			CFSCadTrk	cadtrkdb2	Location_y	
422			CFSCadTrk	cadtrkdb2	Latitude	
423			CFSCadTrk	cadtrkdb2	Longitude	
424			CFSCadTrk	cadtrkdb2	Mileage	
425						
426		CadCFSCommentsTable	CFSComments	cadcomdb2	com_arch	Always '0002'
427			CFSComments	cadcomdb2	com_numbr	The CFS number.
428			CFSComments	cadcomdb2	sequence	Not filled
429			CFSComments	cadcomdb2	stmp_creat	The date and time the comment was created.

430			CFSComments	cadcomdb2	time_creat	The time the comment was created.
431			CFSComments	cadcomdb2	dow_creat	The day of the week the comment was created.
432			CFSComments	cadcomdb2	com_name	The name of the user who created this comment.
433	1.1 Incident ID #, 1.2 Incident Date/Time , LTD Confidenc e, Device Event Type, 1.4b Ignition State, Heading, Orientatio n, Fire, Multiple Impacts, Deployed, 1.5 # of occupants , councious , breathing, speaking,		CFSComments	cadcomdb2	com_ment	The text of the comment.

	moving arm, moving leg, external bleeding, entrapped , ejected, seat position, restraint type, injury patterns					
434						
435		CadCFSDispatchTable	CFSDispatch	caduntdb2	unt_arch	Always '0017'.
436			CFSDispatch	caduntdb2	unt_nmbr	The CFS number of this unit record.
437			CFSDispatch	caduntdb2	un_nmbr	The unit number sent.
438			CFSDispatch	caduntdb2	u_agency	The ID number of the agency referenced.
439			CFSDispatch	caduntdb2	new_stat	The status of the unit.
440			CFSDispatch	caduntdb2	stamp_change	The date and time the unit changed status.
441			CFSDispatch	caduntdb2	tim_change	The time the unit changed status
442			CFSDispatch	caduntdb2	dow_change	The day of the week the

						unit changed status.
443						
444		CadCFSIncidentTable	CFSIncident	caddrndb2	drn_arch	Always '0004'
445			CFSIncident	caddrndb2	drn_nmbr	The CFS number.
446			CFSIncident	caddrndb2	d_agency	The ID number of the agency referenced.
447			CFSIncident	caddrndb2	dr_nmbr	The DR number.
448			CFSIncident	caddrndb2	stmp_att_drn	Always '9999-12-31-24.00.00.000000'
449			CFSIncident	caddrndb2	stmp_onsc_drn	Always '9999-12-31-24.00.00.000000'
450			CFSIncident	caddrndb2	stmp_ofsc_drn	Always '9999-12-31-24.00.00.000000'
451			CFSIncident	caddrndb2	resptime	Always -999
452			CFSIncident	caddrndb2	dr_duration	Always -999
453			CFSIncident	caddrndb2	unit	
454						
455		CadCfsPersonTable	CFSPerson	cadperdb2	pxfield3	
456			CFSPerson	cadperdb2	per_reqby	
457			CFSPerson	cadperdb2	per_arch	Always '0006'
458			CFSPerson	cadperdb2	per_nmbr	The CFS number.

459			CFSPerson	cadperdb2	stamp_cre	The date and time the person record was created.
460			CFSPerson	cadperdb2	tim_cre	The time the person record was created.
461			CFSPerson	cadperdb2	dow_cre	The day of the week the person record was created.
462			CFSPerson	cadperdb2	arm_dan	Indicates whether the individual was armed and dangerous.
463			CFSPerson	cadperdb2	name	The name of the individual.
464			CFSPerson	cadperdb2	ssn	The civilian's social security number.
465			CFSPerson	cadperdb2	sex	The gender of the civilian.
466			CFSPerson	cadperdb2	dob	The civilian's date of birth.
467			CFSPerson	cadperdb2	race	The race of the civilian.
468			CFSPerson	cadperdb2	age	The officer's age at the incident event.
469			CFSPerson	cadperdb2	ageunit	Not filled.
470			CFSPerson	cadperdb2	ageyear	Not filled.
471			CFSPerson	cadperdb2	height	The individual's height.
472			CFSPerson	cadperdb2	weight	The individual's weight.
473			CFSPerson	cadperdb2	hair	The individual's hair color.

474			CFSPerson	cadperdb2	eyes	The individual's eye color.
475			CFSPerson	cadperdb2	complx	The individual's skin complexion condition.
476			CFSPerson	cadperdb2	drlic	The civilian's driver license number.
477			CFSPerson	cadperdb2	per_state	The state the individual is from.
478			CFSPerson	cadperdb2	per_address	The individual's address.
479			CFSPerson	cadperdb2	per_phone	The individual's phone number.
480			CFSPerson	cadperdb2	per_stored	Indicates if the person record was stored to the GenInfo database.
481			CFSPerson	cadperdb2	per_gid_type	The type of record in the GenInfo database (if stored).
482			CFSPerson	cadperdb2	lsw	The description of what the individual was last seen wearing.
483			CFSPerson	cadperdb2	per_misc	Any misc. comments concerning the individual.
484						
485		CadCFSSubUnitTable	CFSSubUnit	cadsubdb2	sub_arch	
486			CFSSubUnit	cadsubdb2	sub_num	

487			CFSSubUnit	cadsubdb2	unt_number	
488			CFSSubUnit	cadsubdb2	sub_unit_id	
489			CFSSubUnit	cadsubdb2	sub_unit_desc	
490			CFSSubUnit	cadsubdb2	cfs_numbr	
491						
492		CadCFSVehicleTable	CFSVehicle	cadvehdb2	veh_arch	Always '0005'
493			CFSVehicle	cadvehdb2	veh_nmbr	The CFS number.
494			CFSVehicle	cadvehdb2	status	
495			CFSVehicle	cadvehdb2	stmp_cre	The date and time this vehicle record was created.
496			CFSVehicle	cadvehdb2	time_cre	The time this vehicle record was created.
497			CFSVehicle	cadvehdb2	dow_time	The day of the week this vehicle record was created.
498			CFSVehicle	cadvehdb2	arm_dang	The armed and dangerous value for this vehicle.
499			CFSVehicle	cadvehdb2	year	The year of the vehicle.
500			CFSVehicle	cadvehdb2	license	The license number of the equipment.
501			CFSVehicle	cadvehdb2	state	The state which the vehicle is licensed under.
502			CFSVehicle	cadvehdb2	make	The make of the

						equipment.
503			CFSVehicle	cadvehdb2	model	The model of the equipment.
504			CFSVehicle	cadvehdb2	color	The color of the vehicle.
505			CFSVehicle	cadvehdb2	vin	The VIN number of the vehicle.
506			CFSVehicle	cadvehdb2	type	The vehicle's involvement in the CFS.
507			CFSVehicle	cadvehdb2	veh_stored	Indicates if the vehicle record was stored in the GenInfo database.
508			CFSVehicle	cadvehdb2	veh_gid_type	The type of record in the GenInfo database (if stored).
509			CFSVehicle	cadvehdb2	veh_misc	A description of the diagram.
510			CFSVehicle	cadvehdb2	veh_licyr	The year that the vehicle's license expires.

Line #	VEDS element	Element Code (Red and Yellow are NEMSIS elements collected by the state)	OPHI-PCR Data Element	X = Data Elements to be Tested for Compliance (Red = Required National Data Elements)
2		D01_01	EMS Agency Number	X
3	1.1 Provider Name	D01_02	EMS Agency Name	
4		D01_03	EMS Agency State	X
5		D01_04	EMS Agency County	X
6		D01_05	Primary Type of Service	
7		D01_06	Other Types of Service	
8		D01_07	Level of Service	X
9		D01_08	Organizational Type	X
10		D01_09	Organization Status	X

11		D01_10	Statistical Year	X
12		D01_11	Other Agencies In Area	
13		D01_12	Total Service Size Area	X
14		D01_13	Total Service Area Population	X
15		D01_14	911 Call Volume per Year	X
16		D01_15	EMS Dispatch Volume per Year	X
17		D01_16	EMS Transport Volume per Year	X
18		D01_17	EMS Patient Contact Volume per Year	X
19		D01_18	EMS Billable Calls per Year	
20		D01_19	EMS Agency Time Zone	X
21		D01_20	EMS Agency Daylight Savings Time Use	
22		D01_21	National Provider Identifier	X
23		D02_01	Agency Contact Last Name	
24		D02_02	Agency Contact Middle Name/Initial	
25		D02_03	Agency Contact First Name	
26		D02_04	Agency Contact Address	

27		D02_05	Agency Contact City	
28		D02_06	Agency Contact State	
29		D02_07	Agency Contact Zip Code	X
30	1.1 Call Back #	D02_08	Agency Contact Telephone Number	
31		D02_09	Agency Contact Fax Number	
32		D02_10	Agency Contact Email Address	
33		D02_11	Agency Contact Web Address	
34		D03_01	Agency Medical Director Last Name	
35		D03_02	Agency Medical Director Middle Name/Initial	
36		D03_03	Agency Medical Director First Name	
37		D03_04	Agency Medical Director Address	
38		D03_05	Agency Medical Director City	
39		D03_06	Agency Medical Director State	
40		D03_07	Agency Medical Director Zip Code	
41		D03_08	Agency Medical Director Telephone Number	
42		D03_09	Agency Medical Director Fax Number	
43		D03_10	Agency Medical Director's Medical Specialty	

44		D03_11	Agency Medical Director Email Address	
45		D04_01	State Certification Licensure Levels	
46		D04_02	EMS Unit Call Sign	
47		D04_03	Zones	
48		D04_05	Personnel Level Permitted to Use the Procedure	
49		D04_06	Medications Given	
50		D04_07	Personnel Level Permitted to Use the Medication	
51		D04_08	Protocol	
52		D04_09	Personnel Level Permitted to Use the Protocol	
53		D04_10	Billing Status	
54		D04_11	Hospitals Served	
55		D04_12	Hospital Facility Number	
56		D04_13	Other Destinations	
57		D04_14	Destination Facility Number	
58		D04_15	Destination Type	
59		D04_16	Insurance Companies Used	
60		D04_17	EMD Vendor	

61		D05_01	Station Name	
62		D05_02	Station Number	
63		D05_03	Station Zone	
64		D05_04	Station GPS	
65		D05_05	Station Address	
66		D05_06	Station City	
67		D05_07	Station State	
68		D05_08	Station Zip	
69		D05_09	Station Telephone Number	
70		D06_01	Unit/Vehicle Number	
71		D06_03	Vehicle Type	
72		D06_04	State Certification/Licensure Levels	
73		D06_05	Number Of Each Personnel Level on the Vehicle Crew	
74		D06_06	Vehicle Initial Cost	
75		D06_07	Vehicle Model Year	
76		D06_08	Year Miles/Hours Accrued	
77		D06_09	Annual Vehicle Hours	

78		D06_10	Annual Vehicle Miles	
79		D07_01	Personnel's Agency ID Number	
80		D07_02	State/Licensure ID Number	
81		D07_03	Personnel's Employment Status	
82		D07_04	Employment Status Date	
83		D07_05	Personnel's Level of Certification/Licensure for Agency	
84		D07_06	Date of Personnel's Certification or Licensure for Agency	
85		D08_01	EMS Personnel's Last Name	
86		D08_02	EMS Personnel's Middle Name/Initial	
87		D08_03	EMS Personnel's First Name	
88		D08_04	EMS Personnel's Mailing Address	
89		D08_05	EMS Personnel's City of Residence	
90		D08_06	EMS Personnel's State	
91		D08_07	EMS Personnel's Zip Code	
92		D08_08	EMS Personnel's Work Telephone	
93		D08_09	EMS Personnel's Home Telephone	

94		D08_10	EMS Personnel's Email Address	
95		D08_11	EMS Personnel's Date Of Birth	
96		D08_12	EMS Personnel's Gender	
97		D08_13	EMS Personnel's Race	
98		D08_14	EMS Personnel's Ethnicity	
99		D08_15	State EMS Certification Licensure Level	
100		D08_16	National Registry Credentialed	
101		D08_17	State EMS Current Certification Date	
102		D08_18	Initial State Certification Date	
103		D08_19	Total Length of Service	
104		D08_20	Date Length of Service Documented	
105		D09_01	Device Serial Number	
106		D09_02	Device Name or ID	
107		D09_03	Device Manufacturer	
108		D09_04	Model Number	
109		D09_05	Device Purchase Date	
110		E01_01	Patient Care Report Number	X

111		E01_02	Software Creator	X
112		E01_03	Software Name	X
113		E01_04	Software Version	X
114		E02_01	EMS Agency Number	X
115	1.1 Incident #	E02_02	Incident Number	
116		E02_03	EMS Unit (Vehicle) Response Number	
117		E02_04	Type of Service Requested	X
118		E02_05	Primary Role of the Unit	X
119		E02_06	Type of Dispatch Delay	X
120		E02_07	Type of Response Delay	X
121		E02_08	Type of Scene Delay	X
122		E02_09	Type of Transport Delay	X
123		E02_10	Type of Turn-Around Delay	X
124		E02_11	EMS Unit/Vehicle Number	
125		E02_12	EMS Unit Call Sign (Radio Number)	X
126		E02_13	Vehicle Dispatch Location	
127		E02_14	Vehicle Dispatch Zone	

128		E02_15	Vehicle Dispatch GPS Location	
129		E02_16	Beginning Odometer Reading of Responding Vehicle	
130		E02_17	On-Scene Odometer Reading of Responding Vehicle	
131		E02_18	Patient Destination Odometer Reading of Responding Vehicle	
132		E02_19	Ending Odometer Reading of Responding Vehicle	
133		E02_20	Response Mode to Scene	X
134		E03_01	Complaint Reported by Dispatch	X
135		E03_02	EMD Performed	X
136		E03_03	EMD Card Number	
137		E04_01	Crew Member ID	
138		E04_02	Crew Member Role	
139		E04_03	Crew Member Level	
140	1.2 Event Time	E05_01	Incident or Onset Date/Time	
141		E05_02	PSAP Call Date/Time	X
142		E05_03	Dispatch Notified Date/Time	

143	1.2 Received Date/Time of Incident	E05_04	Unit Notified by Dispatch Date/Time	X
144		E05_05	Unit En Route Date/Time	X
145		E05_06	Unit Arrived on Scene Date/Time	X
146		E05_07	Arrived at Patient Date/Time	X
147		E05_08	Transfer of Patient Care Date/Time	
148		E05_09	Unit Left Scene Date/Time	X
149		E05_10	Patient Arrived at Destination Date/Time	X
150		E05_11	Unit Back in Service Date/Time	X
151		E05_12	Unit Cancelled Date/Time	
152		E05_13	Unit Back at Home Location Date/Time	X
153	1.5 Occupant's Name	E06_01	Last Name	
154	1.5 Occupant's Name	E06_02	First Name	
155	1.5 Occupant's Name	E06_03	Middle Initial/Name	

156		E06_04	Patient's Home Address	
157		E06_05	Patient's Home City	
158		E06_06	Patient's Home County	
159		E06_07	Patient's Home State	
160		E06_08	Patient's Home Zip Code	X
161		E06_09	Patient's Home Country	
162	1.6 Subscriber Government IDs	E06_10	Social Security Number	
163	1.5 Occupant's Gender	E06_11	Gender	X
164		E06_12	Race	X
165		E06_13	Ethnicity	X
166	1.5 Occupant's Age	E06_14	Age	X
167	1.5 Occupant's Age	E06_15	Age Units	X
168		E06_16	Date of Birth	
169		E06_17	Primary or Home Telephone Number	

170	1.6 Driver License State	E06_18	State Issuing Driver's License	
171	1.6 Driver License #	E06_19	Driver's License Number	
172		E07_01	Primary Method of Payment	X
173		E07_02	Certificate of Medical Necessity	
174	1.6 Insurance Provider Name	E07_03	Insurance Company ID/Name	
175		E07_04	Insurance Company Billing Priority	
176		E07_05	Insurance Company Address	
177		E07_06	Insurance Company City	
178		E07_07	Insurance Company State	
179		E07_08	Insurance Company Zip Code	
180		E07_09	Insurance Group ID/Name	
181	1.6 Policy #	E07_10	Insurance Policy ID Number	
182		E07_11	Last Name of the Insured	
183		E07_12	First Name of the Insured	
184		E07_13	Middle Initial/Name of the Insured	

185		E07_14	Relationship to the Insured	
186		E07_15	Work-Related	
187		E07_16	Patient's Occupational Industry	
188		E07_17	Patient's Occupation	
189		E07_18	Closest Relative/Guardian Last Name	
190		E07_19	First Name of the Closest Relative/ Guardian	
191		E07_20	Middle Initial/Name of the Closest Relative/ Guardian	
192		E07_21	Closest Relative/ Guardian Street Address	
193		E07_22	Closest Relative/ Guardian City	
194		E07_23	Closest Relative/ Guardian State	
195		E07_24	Closest Relative/ Guardian Zip Code	
196		E07_25	Closest Relative/ Guardian Phone Number	
197		E07_26	Closest Relative/ Guardian Relationship	
198		E07_27	Patient's Employer	
199		E07_28	Patient's Employer's Address	
200		E07_29	Patient's Employer's City	
201		E07_30	Patient's Employer's State	

202		E07_31	Patient's Employer's Zip Code	
203		E07_32	Patient's Work Telephone Number	
204		E07_33	Response Urgency	
205		E07_34	CMS Service Level	X
206		E07_35	Condition Code Number	X
207		E07_36	ICD-9 Code for the Condition Code Number	
208		E07_37	Condition Code Modifier	
209		E08_01	Other EMS Agencies at Scene	
210		E08_02	Other Services at Scene	
211		E08_03	Estimated Date/Time Initial Responder Arrived on Scene	
212		E08_04	Date/Time Initial Responder Arrived on Scene	
213	1.5 # of Occupants	E08_05	Number of Patients at Scene	X
214		E08_06	Mass Casualty Incident	X
215	1.2 Location, Location description	E08_07	Incident Location Type	X

216	1.2 Location, Location description	E08_08	Incident Facility Code	
217	1.2 Location, Location description	E08_09	Scene Zone Number	
218	1.2 Location, Location description, Latitude, Longitude	E08_10	Scene GPS Location	
219	1.2 Location, Location description	E08_11	Incident Address	
220	1.2 Location, Location description	E08_12	Incident City	
221	1.2 Location, Location description	E08_13	Incident County	
222	1.2 Location, Location description	E08_14	Incident State	

223	1.2 Location, Location description	E08_15	Incident ZIP Code	X
224		E09_01	Prior Aid	X
225		E09_02	Prior Aid Performed by	X
226		E09_03	Outcome of the Prior Aid	X
227		E09_04	Possible Injury	X
228		E09_05	Chief Complaint	
229		E09_06	Duration of Chief Complaint	
230		E09_07	Time Units of Duration of Chief Complaint	
231		E09_08	Secondary Complaint Narrative	
232		E09_09	Duration of Secondary Complaint	
233		E09_10	Time Units of Duration of Secondary Complaint	
234		E09_11	Chief Complaint Anatomic Location	X
235		E09_12	Chief Complaint Organ System	X
236		E09_13	Primary Symptom	X
237		E09_14	Other Associated Symptoms	X
238		E09_15	Providers Primary Impression	X

239		E09_16	Provider's Secondary Impression	X
240		E10_01	Cause of Injury	X
241		E10_02	Intent of the Injury	
242		E10_03	Mechanism of Injury	
243	1.4b Fire, 1.5 Ejected	E10_04	Vehicular Injury Indicators	
244	1.4b Multiple Impacts, Rollover	E10_05	Area of the Vehicle impacted by the collision	
245	1.5 Seat Position	E10_06	Seat Row Location of Patient in Vehicle	
246		E10_07	Position of Patient in the Seat of the Vehicle	
247	1.4b Belt Fastened, 1.5 Latch Used	E10_08	Use of Occupant Safety Equipment	
248	1.4b Deployed	E10_09	Airbag Deployment	
249		E10_10	Height of Fall	
250		E11_01	Cardiac Arrest	X
251		E11_02	Cardiac Arrest Etiology	X
252	1.5 Breathing	E11_03	Resuscitation Attempted	X

253		E11_04	Arrest Witnessed by	
254		E11_05	First Monitored Rhythm of the Patient	
255		E11_06	Any Return of Spontaneous Circulation	
256		E11_07	Neurological Outcome at Hospital Discharge	
257		E11_08	Estimated Time of Arrest Prior to EMS Arrival	
258		E11_09	Date/Time Resuscitation Discontinued	
259		E11_10	Reason CPR Discontinued	
260		E11_11	Cardiac Rhythm on Arrival at Destination	
261	1.5 Entrapped	E12_01	Barriers to Patient Care	X
262		E12_02	Sending Facility Medical Record Number	
263		E12_03	Destination Medical Record Number	
264	1.6 Primary Care Physician Name	E12_04	First Name of Patient's Primary Practitioner	
265	1.6 Primary Care Physician Name	E12_05	Middle Name of Patient's Primary Practitioner	

266	1.6 Primary Care Physician Name	E12_06	Last Name of Patient's Primary Practitioner	
267	1.6 Living Will	E12_07	Advanced Directives	
268	1.6 Allergies	E12_08	Medication Allergies	
269	1.6 Allergies	E12_09	Environmental/Food Allergies	
270	1.6 Medical History	E12_10	Medical/Surgical History	
271		E12_11	Medical History Obtained From	
272		E12_12	Immunization History	
273		E12_13	Immunization Date	
274	1.6 Medications	E12_14	Current Medications	
275	1.6 Medications	E12_15	Current Medication Dose	
276	1.6 Medications	E12_16	Current Medication Dosage Unit	
277	1.6 Medications	E12_17	Current Medication Administration Route	
278	1.6 Emergency Contact	E12_18	Presence of Emergency Information Form	
279		E12_19	Alcohol/Drug Use Indicators	X
280	1.6 Pregnant	E12_20	Pregnancy	

281		E13_01	Run Report Narrative	
282		E14_01	Date/Time Vital Signs Taken	
283		E14_02	Obtained Prior to this Units EMS Care	
284		E14_03	Cardiac Rhythm	
285		E14_04	SBP (Systolic Blood Pressure)	
286		E14_05	DBP (Diastolic Blood Pressure)	
287		E14_06	Method of Blood Pressure Measurement	
288		E14_07	Pulse Rate	
289		E14_08	Electronic Monitor Rate	
290		E14_09	Pulse Oximetry	
291		E14_10	Pulse Rhythm	
292	1.5 Breathing	E14_11	Respiratory Rate	
293	1.5 Breathing	E14_12	Respiratory Effort	
294		E14_13	Carbon Dioxide	
295		E14_14	Blood Glucose Level	
296	1.5 Conscious	E14_15	Glasgow Coma Score-Eye	
297	1.5 Conscious	E14_16	Glasgow Coma Score-Verbal	

298	1.5 Conscious	E14_17	Glasgow Coma Score-Motor	
299	1.5 Conscious	E14_18	Glasgow Coma Score-Qualifier	
300	1.5 Conscious	E14_19	Total Glasgow Coma Score	
301		E14_20	Temperature	
302		E14_21	Temperature Method	
303	1.5 Conscious, Speaking	E14_22	Level of Responsiveness	
304		E14_23	Pain Scale	
305		E14_24	Stroke Scale	
306		E14_25	Thrombolytic Screen	
307	1.5 Breathing	E14_26	APGAR	
308		E14_27	Revised Trauma Score	
309		E14_28	Pediatric Trauma Score	
310		E15_01	NHTSA Injury Matrix External/Skin	
311		E15_02	NHTSA Injury Matrix Head	
312		E15_03	NHTSA Injury Matrix Face	
313		E15_04	NHTSA Injury Matrix Neck	
314		E15_05	NHTSA Injury Matrix Thorax	

315		E15_06	NHTSA Injury Matrix Abdomen	
316		E15_07	NHTSA Injury Matrix Spine	
317	1.5 Moving Arm	E15_08	NHTSA Injury Matrix Upper Extremities	
318		E15_09	NHTSA Injury Matrix Pelvis	
319	1.5 Moving Leg	E15_10	NHTSA Injury Matrix Lower Extremities	
320		E15_11	NHTSA Injury Matrix Unspecified	
321		E16_01	Estimated Body Weight	
322		E16_02	Broselow/Luten Color	
323		E16_03	Date/Time of Assessment	
324	1.5 External Bleeding	E16_04	Skin Assessment	
325	1.5 External Bleeding	E16_05	Head/Face Assessment	
326	1.5 External Bleeding	E16_06	Neck Assessment	
327	1.5 External Bleeding	E16_07	Chest/Lungs Assessment	
328	1.5 External	E16_08	Heart Assessment	

	Bleeding			
329	1.5 External Bleeding	E16_09	Abdomen Left Upper Assessment	
330	1.5 External Bleeding	E16_10	Abdomen Left Lower Assessment	
331	1.5 External Bleeding	E16_11	Abdomen Right Upper Assessment	
332	1.5 External Bleeding	E16_12	Abdomen Right Lower Assessment	
333	1.5 External Bleeding	E16_13	GU Assessment	
334	1.5 External Bleeding	E16_14	Back Cervical Assessment	
335	1.5 External Bleeding	E16_15	Back Thoracic Assessment	
336	1.5 External Bleeding	E16_16	Back Lumbar/Sacral Assessment	
337	1.5 External Bleeding, Moving Arm	E16_17	Extremities-Right Upper Assessment	

338	1.5 External Bleeding, Moving Leg	E16_18	Extremities-Right Lower Assessment	
339	1.5 External Bleeding, Moving Arm	E16_19	Extremities-Left Upper Assessment	
340	1.5 External Bleeding, Moving Leg	E16_20	Extremities-Left Lower Assessment	
341	1.5 External Bleeding	E16_21	Eyes-Left Assessment	
342	1.5 External Bleeding	E16_22	Eyes-Right Assessment	
343		E16_23	Mental Status Assessment	
344		E16_24	Neurological Assessment	
345		E17_01	Protocols Used	
346		E18_01	Date/Time Medication Administered	
347		E18_02	Medication Administered Prior to this Units EMS Care	
348		E18_03	Medication Given	X
349		E18_04	Medication Administered Route	

350		E18_05	Medication Dosage	
351		E18_06	Medication Dosage Units	
352		E18_07	Response to Medication	
353		E18_08	Medication Complication	X
354		E18_09	Medication Crew Member ID	
355		E18_10	Medication Authorization	
356		E18_11	Medication Authorizing Physician	
357		E19_01	Date/Time Procedure Performed Successfully	
358		E19_02	Procedure Performed Prior to this Units EMS Care	
359		E19_03	Procedure	X
360		E19_04	Size of Procedure Equipment	
361		E19_05	Number of Procedure Attempts	X
362		E19_06	Procedure Successful	X
363		E19_07	Procedure Complication	X
364		E19_08	Response to Procedure	
365		E19_09	Procedure Crew Members ID	
366		E19_10	Procedure Authorization	

367		E19_11	Procedure Authorizing Physician	
368		E19_12	Successful IV Site	
369		E19_13	Tube Confirmation	
370		E19_14	Destination Confirmation of Tube Placement	
371		E20_01	Destination/Transferred To, Name	
372		E20_02	Destination/Transferred To, Code	
373		E20_03	Destination Street Address	
374		E20_04	Destination City	
375		E20_05	Destination State	
376		E20_06	Destination County	
377		E20_07	Destination Zip Code	X
378		E20_08	Destination GPS Location	
379		E20_09	Destination Zone Number	
380		E20_10	Incident/Patient Disposition	X
381		E20_11	How Patient Was Moved to Ambulance	
382		E20_12	Position of Patient During Transport	
383		E20_13	How Patient Was Transported From Ambulance	

384		E20_14	Transport Mode from Scene	X
385		E20_15	Condition of Patient at Destination	
386		E20_16	Reason for Choosing Destination	X
387		E20_17	Type of Destination	X
388		E21_01	Event Date/Time	
389		E21_02	Medical Device Event Name	
390		E21_03	Waveform Graphic Type	
391		E21_04	Waveform Graphic	
392		E21_05	AED, Pacing, or CO2 Mode	
393		E21_06	ECG Lead	
394		E21_07	ECG Interpretation	
395		E21_08	Type of Shock	
396		E21_09	Shock or Pacing Energy	
397		E21_10	Total Number of Shocks Delivered	
398		E21_11	Pacing Rate	
399		E21_12	Device Heart Rate	
400		E21_13	Device Pulse Rate	

401		E21_14	Device Systolic Blood Pressure	
402		E21_15	Device Diastolic Blood Pressure	
403		E21_16	Device Respiratory Rate	
404		E21_17	Device Pulse Oximetry	
405		E21_18	Device CO2 or etCO2	
406		E21_19	Device CO2, etCO2, or Invasive Pressure Monitor Units	
407		E21_20	Device Invasive Pressure Mean	
408		E22_01	Emergency Department Disposition	X
409		E22_02	Hospital Disposition	X
410		E22_03	Law Enforcement/Crash Report Number	
411		E22_04	Trauma Registry ID	
412		E22_05	Fire Incident Report Number	
413		E22_06	Patient ID Band/Tag Number	
414		E23_01	Review Requested	
415		E23_02	Potential Registry Candidate	
416		E23_03	Personal Protective Equipment Used	
417		E23_04	Suspected Intentional, or Unintentional Disaster	

418		E23_05	Suspected Contact with Blood/Body Fluids of EMS Injury or Death
419		E23_06	Type of Suspected Blood/Body Fluid Exposure, Injury, or Death
420		E23_07	Personnel Exposed
421		E23_08	Required Reportable Conditions
422		E23_09	Research Survey Field
423		E23_10	Who Generated this Report?
424		E23_11	Research Survey Field Title

Line #	VEDS element	SHEET #	SHEET NAME	FIELD NAME	FIELD TYPE	NULLABLE	DESCRIPTION
2		1	ACCIDENT	AC_ACCID_NO	NUMBER(9)		UNIQUE NUMBER ASSIGNED BY THE DATABASE (I.E. PRIMARY KEY)
3	1.1 Incident #	1	ACCIDENT	AC_ACCID_ID	CHAR(13)		ACCIDENT NUMBER ASSIGNED BY THE REPORTING OFFICER.
4		1	ACCIDENT	AC_REPORT_FLAG	CHAR(1)	Y	REPORT FLAG. (UNUSED)
5	1.2 Incident Date/Time	1	ACCIDENT	AC_DATE	DATE		ACCIDENT DATE.
6	1.2 Location Description	1	ACCIDENT	AC_CITY_CODE	CHAR(3)	Y	CITY CODE.
7	1.2 Location Description	1	ACCIDENT	AC_COUNTY_CODE	CHAR(2)	Y	COUNTY CODE.
8		1	ACCIDENT	AC_GPS	CHAR(16)	Y	GLOBAL POSITIONING INFORMATION.(UNUSED)
9		1	ACCIDENT	AC_LOCATION_TYPE	CHAR(1)	Y	LOCATION TYPE.
10	1.2 Location Description	1	ACCIDENT	AC_LOCATION	CHAR(16)	Y	ACCIDENT LOCATION.
11		1	ACCIDENT	AC_DIST_FROM	CHAR(5)	Y	ACCIDENT LOCATION DISTANCE FROM THE NEAREST MILEPOST.
12		1	ACCIDENT	AC_CITY_COORD	CHAR(12)	Y	CITY GRID COORDINATES.
13		1	ACCIDENT	AC_RANGE_CODE	CHAR(4)	Y	RANGE CODE.

14		1	ACCIDENT	AC_TOWNSHIP_CODE	CHAR(3)	Y	TOWNSHIP CODE.
15		1	ACCIDENT	AC_SECTION_CODE	CHAR(2)	Y	SECTION CODE.
16		1	ACCIDENT	AC_ROUTE_ID	CHAR(6)	Y	ROUTE ID.
17		1	ACCIDENT	AC_MILEPOST	CHAR(4)	Y	MILEPOST.
18		1	ACCIDENT	AC_MILEPOST_DIRECTION_CODE	CHAR(1)	Y	MILEPOST DIRECTION CODE.(UNUSED)
19		1	ACCIDENT	AC_SPEED_LIMIT	NUMBER(5)	Y	MAXIMUM SPEED LIMIT AT THE PLACE OF ACCIDENT.
20		1	ACCIDENT	AC_SPEED_UNIT_CODE	CHAR(1)	Y	SPEED UNIT CODE (MI/KM).
21		1	ACCIDENT	AC_TYPE_COLL_CODE	CHAR(1)	Y	TYPE OF COLLISION.
22		1	ACCIDENT	AC_HIT_RUN_CODE	CHAR(1)	Y	HIT AND RUN CODE.
23		1	ACCIDENT	AC_INJ_NUMB	NUMBER(5)	Y	NUMER OF INJURIES.
24		1	ACCIDENT	AC_FATAL_NUMB	NUMBER(5)	Y	NUMBER OF FATALITIES.
25		1	ACCIDENT	AC_VEH_NUMB	NUMBER(5)	Y	NUMBER OF VEHICLES INVOLVED.
26		1	ACCIDENT	AC_PEDEST_NUMB	NUMBER(5)	Y	NUMBER OF PEDESTRIANS INVOLVED.
27		1	ACCIDENT	AC_CLASS_TRAFFICWAY_CODE	CHAR(1)	Y	TRAFFICWAY CLASS CODE.
28		1	ACCIDENT	AC_ACCID_SEV_CODE	CHAR(1)	Y	ACCIDENT SEVERITY CODE.
29		1	ACCIDENT	AC_DAMAGE_SEV_CODE	CHAR(1)	Y	DAMAGE SEVERITY CODE.(UNUSED)
30	1.4b Orientati	1	ACCIDENT	AC_REL_RDWAY_	CHAR(1)	Y	RELATION TO ROADWAY.

	on			CODE			
31		1	ACCIDENT	AC_REL_JUNC_CODE	CHAR(1)	Y	JUNCTION RELATED CODE.
32		1	ACCIDENT	AC_WEATH_COND_CODE	CHAR(2)	Y	WEATHER CONDITION AT THE TIME OF ACCIDENT.
33		1	ACCIDENT	AC_LIGHT_COND_CODE	CHAR(1)	Y	LIGHT CONDITION AT THE TIME OF ACCIDENT.
34		1	ACCIDENT	AC_ROAD_COND_CODE	CHAR(1)	Y	CONDITIONS OF THE ROAD.
35		1	ACCIDENT	AC_TRAF_CONTS_CODE	CHAR(2)	Y	TRAFFIC CONTROLS.
36		1	ACCIDENT	AC_GRADE_CODE	CHAR(1)	Y	GRADE.
37		1	ACCIDENT	AC_CONSTR_ZONE_CODE	CHAR(1)	Y	CONSTRUCTION ZONE CODE (IF IT WAS A CONSTRUCTION ZONE).
38		1	ACCIDENT	AC_SITE_STUDY	CHAR(1)	Y	SITE STUDY.
39		1	ACCIDENT	AC_BIKEWAY_CODE	CHAR(1)	Y	BIKEWAY TYPE.
40		1	ACCIDENT	AC_RESERVATION_CODE	CHAR(1)	Y	RESERVATION AREA CODE.
41		1	ACCIDENT	AC_OTHR_DAMAGE_CODE	CHAR(2)	Y	OTHER DAMAGE TYPE.
42		1	ACCIDENT	AC_OTHR_DAMAGE_SEVER_CODE	CHAR(1)	Y	OTHER DAMAGE SEVERITY.
43		1	ACCIDENT	AC_OTHR_DAMAGE_OWNER_CODE	CHAR(1)	Y	OTHER DAMAGE OWNER.
44		1	ACCIDENT	AC_CC1_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE ONE.(UNUSED)
45		1	ACCIDENT	AC_CC2_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE TWO.(UNUSED)

46		1	ACCIDENT	AC_CC3_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE THREE.(UNUSED)
47		1	ACCIDENT	AC_CC4_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE FOUR.(UNUSED)
48		1	ACCIDENT	AC_CC5_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE FIVE.(UNUSED)
49		1	ACCIDENT	AC_FIRST_HARM_CODE	CHAR(2)	Y	FIRST HARMFUL EVENT.(UNUSED)
50		1	ACCIDENT	AC_MOST_HARM_CODE	CHAR(2)	Y	MOST HARMFUL EVENT.(UNUSED)
51		1	ACCIDENT	AC_ALCOHOL	CHAR(1)	Y	ALCOHOL INVOLVED.(UNUSED)
52		1	ACCIDENT	AC_BADGE_NO	CHAR(4)	Y	BADGE_NO.(UNUSED)
53		1	ACCIDENT	AC_DETACH_CODE	CHAR(3)	Y	DETACH_CODE.(UNUSED)
54		1	ACCIDENT	AC_FUNC_CLASSES	CHAR(1)	Y	FUNCTIONAL CODE.(UNUSED)
55		1	ACCIDENT	AC_NOTIF_DATE	DATE	Y	NOTIFICATION DATE.
56		1	ACCIDENT	AC_ARRIV_DATE	DATE	Y	ARRIVAL DATE.
57		1	ACCIDENT	AC_ADHOC_PROJECT_1	CHAR(12)	Y	ADHOC PROJECT 1.(UNUSED)
58		1	ACCIDENT	AC_ADHOC_DATA_1	CHAR(12)	Y	ADHOC DATA 1.(UNUSED)
59		1	ACCIDENT	AC_ADHOC_PROJECT_2	CHAR(12)	Y	ADHOC PROJECT 2.(UNUSED)
60		1	ACCIDENT	AC_ADHOC_DATA_2	CHAR(12)	Y	ADHOC DATA 2.(UNUSED)
61		1	ACCIDENT	AC_CRE_DATE_TIME	DATE		CREATION DATE AND TIME.
62		1	ACCIDENT	AC_CRE_USER	CHAR(8)		CREATED BY USER.

63		1	ACCIDENT	AC_UPD_DATE_TIME	DATE		UPDATED DATE AND TIME.
64		1	ACCIDENT	AC_UPD_USER	VARCHAR2(10)		UPDATED BY USER.
65		1	ACCIDENT	AC_SENT_DOJ	DATE	Y	DATE SENT TO DEPARTMENT OF JUSTICE.(UNUSED)
66		1	ACCIDENT	AC_SENT_MDT	DATE	Y	DATE SENT TO DEPARTMENT OF TRANSPORTATION.
67		1	ACCIDENT	AC_COMMERCIAL_NUMB	NUMBER(2)	Y	COMMERCIAL NUMBER.
68	1.4a Hazardous Materials	1	ACCIDENT	AC_HAZMAT_NUMBER	NUMBER(2)	Y	WHAT HAZARDOUS MATERIAL INVOLVED IN ACCIDENT.
69		1	ACCIDENT	AC_SHORT_FORM	VARCHAR2(1)	Y	SHORT FORM ACCIDENT REPORT.
70		1	ACCIDENT	AC_X_COORD	NUMBER(13,5)	Y	X COORDINATE OF ACCIDENT.
71		1	ACCIDENT	AC_Y_COORD	NUMBER(13,5)	Y	Y COORDINATE OF ACCIDENT.
72		1	ACCIDENT	AC_Z_COORD	NUMBER(9,4)	Y	Z COORDINATE OF ACCIDENT.
73		1	ACCIDENT	AC_DC_ID	VARCHAR2(15)	Y	CORRIDOR IDENTIFICATION OF ACCIDENT LOCATION
74		1	ACCIDENT	AC_DC_ROADBED	VARCHAR2(1)	Y	CORRIDOR ROADBED OF ACCIDENT LOCATION.
75		1	ACCIDENT	AC_DC_MP	NUMBER(4)	Y	CORRIDOR MILEPOST OF ACCIDENT LOCATION.
76		1	ACCIDENT	AC_DC_MP_OFFSET	NUMBER(4,3)	Y	CORRIDOR MILEPOST OFFSET OF ACCIDENT LOCATION.
77		1	ACCIDENT	AC_SYS_CLASS	VARCHAR2(30)	Y	SYSTEM CLASSIFICATION OF ACCIDENT LOCATION.
78		1	ACCIDENT	AC_DR_ID	VARCHAR2(15)	Y	DEPARTMENTAL ROUTE IDENTIFICATION OF ACCIDENT LOCATION.
79		1	ACCIDENT	AC_DR_ROADBED	VARCHAR2(1)	Y	DEPARTMENTAL ROUTE ROADBED OF ACCIDENT LOCATION.
80		1	ACCIDENT	AC_FIN_DISTRICT	VARCHAR2(20)	Y	FINANCIAL DISTRICT

				_ID			
81	1.2 Latitude	1	ACCIDENT	AC_LAT	FLOAT	Y	LATITUDE
82	1.2 Longitude	1	ACCIDENT	AC_LON	FLOAT	Y	LONGITUDE
83	1.2 Latitude, Longitude	1	ACCIDENT	AC_INPUT_DATA_ TYPE	VARCHAR2(20)	Y	Field to indicate the format of data. XY COORDINATES or LAT LON
84		1	ACCIDENT	AC_MHP_UNIQUE _KEY	VARCHAR2(22)	Y	This is the unique key field to tie records to the new MHP system.
85		1	ACCIDENT	AC_SUPPLEMENT _NO	VARCHAR2(3)	Y	This field identifies if the record has been duplicated and the number of times. 01 is the original.
86		1	ACCIDENT	AC_OFFICER_DES C	VARCHAR2(40)	Y	Officer Description of the location
87		1	ACCIDENT	AC_OFFICER_AG ENCY	VARCHAR2(50)	Y	Officer Agency
88		1	ACCIDENT	AC_OFFICER_ID	VARCHAR2(10)	Y	Officer Badge ID
89		1	ACCIDENT	AC_VIOLATION_C OUNT	NUMBER(2)	Y	The number of violations given on this crash.
90		1	ACCIDENT	AC_ACCESS_CON TROL	VARCHAR2(2)	Y	How Access to the roadway is controled
91		2	VEHICLE	VE_VEH_NO	NUMBER(9)		PRIMARY KEY OF VEHICLE TABLE.
92		2	VEHICLE	VE_ACCID_NO	NUMBER(9)		SYSTEM ASSIGNED ACCIDENT PRIMARY KEY.
93		2	VEHICLE	VE_VEH_SEQ_NO	NUMBER(5)		THE VEHICLE NUMBER INVOLVED IN THE ACCIDENT.

94	1.4a Owner's State and Province	2	VEHICLE	VE_PLATE_STATE _CODE	CHAR(2)	Y	VEHICLE STATE.
95		2	VEHICLE	VE_PLATE_EXP_Y EAR	NUMBER(5)	Y	PLATE EXPERATION YEAR.(UNUSED)
96	1.4a Year	2	VEHICLE	VE_VEH_YEAR	NUMBER(5)	Y	VEHICLE YEAR OF MANUFACTURE.
97	1.4a Body Type	2	VEHICLE	VE_VEH_MAKE	CHAR(10)	Y	VEHICLE MAKE.
98	1.4a Make	2	VEHICLE	VE_BODY_STYLE _CODE	CHAR(2)	Y	VEHICLE BODY STYLE CODE.
99		2	VEHICLE	VE_TRAILER_STY LE_CODE	CHAR(2)	Y	TRAILER STYLE.
100	1.4b Heading	2	VEHICLE	VE_HEADING	CHAR(1)	Y	DIRECTION OF TRAVEL.
101		2	VEHICLE	VE_VEH_INTENT_ CODE	CHAR(2)	Y	VEHICLE INTENT.
102		2	VEHICLE	VE_DAMAG_SEVE R_CODE	CHAR(1)	Y	DAMAGE SEVERITY.
103		2	VEHICLE	VE_DAMAG_AREA _CODE	CHAR(2)	Y	(UNUSED)
104		2	VEHICLE	VE_DEFORM_EXT _CODE	CHAR(1)	Y	(UNUSED)
105		2	VEHICLE	VE_TOW_CODE	CHAR(1)	Y	TOWED DUE TO DAMAGE.
106		2	VEHICLE	VE_VIOL1_CODE	VARCHAR2(30)	Y	VIOLATION NUMBER ONE.
107		2	VEHICLE	VE_VIOL2_CODE	VARCHAR2(30)	Y	VIOLATION NUMBER TWO.

108		2	VEHICLE	VE_DL_STATE_CODE	CHAR(2)	Y	DRIVERS LICENSE STATE.
109		2	VEHICLE	VE_DL_STATUS_CODE	CHAR(1)	Y	DRIVERS LICENSE STATUS.
110		2	VEHICLE	VE_DL_CLASS_CODE	CHAR(1)	Y	DRIVERS LICENSE CLASS CODE.
111		2	VEHICLE	VE_DL_COMPL_CODE	CHAR(1)	Y	DRIVERS LICENSE RESTRICTION COMPLIANCE.
112		2	VEHICLE	VE_DL_OTHR_DATA	CHAR(10)	Y	(UNUSED)
113		2	VEHICLE	VE_CC1_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE ONE.
114		2	VEHICLE	VE_CC2_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE TWO.
115		2	VEHICLE	VE_CC3_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE THREE.
116		2	VEHICLE	VE_CC4_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE FOUR.
117		2	VEHICLE	VE_CC5_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE FIVE
118		2	VEHICLE	VE_FIRST_HARMFUL	CHAR(2)	Y	FIRST HARMFUL EVENT.
119		2	VEHICLE	VE_MOST_HARMFUL	CHAR(2)	Y	MOST HARMFUL EVENT.
120		2	VEHICLE	VE_ALCOHOL_DRUGS	CHAR(1)	Y	USE OF ALCOHOL OR DRUGS.(UNUSED)
121		2	VEHICLE	VE_ALCOHOL	CHAR(2)	Y	USE OF ALCOHOL.(UNUSED)
122		2	VEHICLE	VE_DRUGS	CHAR(1)	Y	USE OF DRUGS.(UNUSED)
123		2	VEHICLE	VE_ADHOC_PROJECT_1	CHAR(12)	Y	ADHOC PROJECT 1.(UNUSED)
124		2	VEHICLE	VE_ADHOC_DATA_1	CHAR(12)	Y	ADHOC DATA 1.(UNUSED)

125		2	VEHICLE	VE_ADHOC_PROJ 2	CHAR(12)	Y	ADHOC PROJECT 2.(UNUSED)
126		2	VEHICLE	VE_ADHOC_DATA 2	CHAR(12)	Y	ADHOC DATA 2.(UNUSED)
127		2	VEHICLE	VE_VEH_PED_FL AG	CHAR(1)	Y	VEHICLE / PEDIESTRIAN FLAG "V".
128		2	VEHICLE	VE_CRE_DATE_T IME	DATE		CREATED DATE AND TIME.
129		2	VEHICLE	VE_CRE_USER	CHAR(8)		CREATED BY USER.
130		2	VEHICLE	VE_UPD_DATE_T IME	DATE		UPDATED DATE AND TIME.
131		2	VEHICLE	VE_UPD_USER	CHAR(8)		UPDATED BY USER.
132		2	VEHICLE	VE_COMMERCIAL _FLAG	CHAR(1)	Y	COMMERCIAL FLAG.
133	1.4a Hazardo us Materials	2	VEHICLE	VE_HAZMAT_FL AG	CHAR(1)	Y	HAZARDOUS MATERIAL INVOLVED IN ACCIDENT.
134		2	VEHICLE	VE_MHP_UNIQUE _KEY	VARCHAR2(22)	Y	THIS IS THE UNIQUE KEY TO TIE THE VECHICLE RECORDS TO THE MHP SYSTEM.
135		2	VEHICLE	VE_MHP_UNIQUE _FKEY	VARCHAR2(22)	Y	THIS IS THE FOREIGN KEY TO TIE THE VEHICLE RECORDS TO THE TRAFFIC CRASH RECORDS.
136		2	VEHICLE	VE_VIOL1_DESC	VARCHAR2(180)	Y	VIOLATION 1 DESCRIPTION
137		2	VEHICLE	VE_VIOL2_DESC	VARCHAR2(180)	Y	VIOLATION 2 DESCRIPTION
138		2	VEHICLE	VE_CMV_CONFIG	VARCHAR2(2)	Y	COMMERCIAL MOTOR VECHICLE CONFIG
139	1.4a Weight	2	VEHICLE	VE_GVW_RATING	VARCHAR2(2)	Y	GROSS VEHICLE WEIGHT RATING

140		2	VEHICLE	VE_HAZ_MAT_NO	VARCHAR2(4)	Y	HAZARDOUS MATERIALS MATERIAL NO
141		2	VEHICLE	VE_TRAFFICWAY_DESC	VARCHAR2(2)	Y	TRAFFICWAY DESCRIPTION
142		3	OCCUPANT	OC_OCCUP_NO	NUMBER(9)		OCCUPANT NUMBER PRIMARY KEY OF THE TABLE.
143		3	OCCUPANT	OC_ACCID_NO	NUMBER(9)		KEY FROM ACCIDENT TABLE AC_ACCID_NO KEY.
144		3	OCCUPANT	OC_VEH_NO	NUMBER(9)	Y	KEY FROM VEHICLE TABLE VE_ACCID_NO.
145		3	OCCUPANT	OC_NAME_NO	NUMBER(9)	Y	KEY FROM NAME TABLE NM_NAME_NO.
146		3	OCCUPANT	OC_PEDEST_NO	NUMBER(9)	Y	KEY FROM PEDESTRIAN TABLE PE_PEDEST_NO.
147	1.5 Seat Position	3	OCCUPANT	OC_SEAT_POS_CODE	CHAR(2)	Y	SEATING POSITION.
148		3	OCCUPANT	OC_INJ_TRANS_CODE	CHAR(1)	Y	INJURED TRANSPORTATION.
149		3	OCCUPANT	OC_INJ_CLASSIF_CODE	CHAR(1)	Y	INJURY CLASSIFICATION.
150		3	OCCUPANT	OC_ALCOHOL_DRUGS_CODE	CHAR(1)	Y	ALCOHOL OR DRUG USE.
151	1.4b Belt Fastened	3	OCCUPANT	OC_BELTS_CODE	CHAR(2)	Y	BELT CODE.
152	1.4b Deployed	3	OCCUPANT	OC_AIR_BAG_CODE	CHAR(1)	Y	AIR BAG DEPLOYED.
153	1.5 Ejected	3	OCCUPANT	OC_EJECT_CODE	CHAR(1)	Y	EJECTION.
154	1.5 Entrapped	3	OCCUPANT	OC_TRAP_EXTRAC_CODE	CHAR(1)	Y	TRAPPED / EXTRACTION.
155	1.5 Occupant's Name	3	OCCUPANT	OC_LAST_NAME	CHAR(16)	Y	LAST NAME.(UNUSED)

156	1.5 Occupan t's Name	3	OCCUPANT	OC_FIRST_NAME	CHAR(10)	Y	FIRST NAME.(UNUSED)
157	1.5 Occupan t's Name	3	OCCUPANT	OC_MIDDLE_INITI AL	CHAR(1)	Y	MIDDLE INITIAL.(UNUSED)
158	1.5 Occupan t's Gender	3	OCCUPANT	OC_SEX_CODE	CHAR(1)	Y	SEX CODE.
159	1.5 Occupan t's Age	3	OCCUPANT	OC_AGE	NUMBER(5)	Y	AGE.
160		3	OCCUPANT	OC_CC1_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCES ONE.(UNUSED)
161		3	OCCUPANT	OC_CC2_CODE	CHAR(2)	Y	CONTRIUBTING CIRCUMSTANCES TWO.(UNUSED)
162		3	OCCUPANT	OC_ADHOC_PROJ 1	CHAR(12)	Y	ADHOC PROJECT 1.(UNUSED)
163		3	OCCUPANT	OC_ADHOC_DATA 1	CHAR(12)	Y	ADHOC DATA 1.(UNUSED)
164		3	OCCUPANT	OC_ADHOC_PROJ 2	CHAR(12)	Y	ADHOC PROJECT 2.(UNUSED)
165		3	OCCUPANT	OC_ADHOC_DATA 2	CHAR(12)	Y	ADHOC DATA 2.(UNUSED)
166		3	OCCUPANT	OC_VEH_PED_FL AG	CHAR(1)	Y	VEHICLE OR PEDESTRIAN FLAG V OR P.
167		3	OCCUPANT	OC_CRE_DATE_TI ME	DATE		CREATED TIME AND DATE.
168		3	OCCUPANT	OC_CRE_USER	CHAR(8)		CREATED BY USER.
169		3	OCCUPANT	OC_UPD_DATE_TI ME	DATE		UPDATE TIME AND DATE.

170		3	OCCUPANT	OC_UPD_USER	CHAR(8)		UPDATED BY USER.
171		3	OCCUPANT	OC_MHP_UNIQUE_KEY	VARCHAR2(22)	Y	THIS IS THE UNIQUE KEY TO TIE OCCUPANT RECORDS TO THE PERSON BUSINESS RECORDS IN THE NEW MHP SYSTEM
172		3	OCCUPANT	OC_MHP_UNIQUE_TKEY	VARCHAR2(22)	Y	THIS IS A FOREIGN KEY TO THE TRAFFIC CRASH TABLE IN THE NEW MHP SYSTEM.
173		3	OCCUPANT	OC_MHP_UNIQUE_VKEY	VARCHAR2(22)	Y	THIS IS A FOREIGN KEY TO THE VEHICLE TABLE IN THE NEW MHP SYSTEM.
174		4	PEDESTRIAN	PE_PEDEST_NO	NUMBER(9)		PEDESTRIAN NUMBER PRIMARY KEY OF THE TABLE.
175		4	PEDESTRIAN	PE_ACCID_NO	NUMBER(9)		SYSTEM ASSIGNED ACCIDENT PRIMARY KEY.
176		4	PEDESTRIAN	PE_PEDEST_SEQ_NO	NUMBER(5)		PEDESTRIAN SEQUENCE NUMBER.
177		4	PEDESTRIAN	PE_VIOL1_CODE	CHAR(30)	Y	VIOLATION CODE ONE.
178		4	PEDESTRIAN	PE_VIOL2_CODE	CHAR(30)	Y	VIOLATION CODE TWO.
179		4	PEDESTRIAN	PE_ACTIONS	CHAR(2)	Y	ACTIONS OF THE PEDESTRIAN.
180		4	PEDESTRIAN	PE_HEADING	CHAR(1)	Y	DIRECTION OF TRAVEL.
181		4	PEDESTRIAN	PE_CC1_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE ONE.(UNUSED)
182		4	PEDESTRIAN	PE_CC2_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE TWO.(UNUSED)
183		4	PEDESTRIAN	PE_CC3_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE THREE.(UNUSED)
184		4	PEDESTRIAN	PE_CC4_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE FOUR.(UNUSED)
185		4	PEDESTRIAN	PE_CC5_CODE	CHAR(2)	Y	CONTRIBUTING CIRCUMSTANCE FIVE.(UNUSED)
186		4	PEDESTRIAN	PE_ALCOHOL_DRUGS	CHAR(1)	Y	USE OF ALCOHOL OR DRUGS.(UNUSED)
187		4	PEDESTRIAN	PE_ALCOHOL	CHAR(2)	Y	ALCOHOL USE.(UNUSED)
188		4	PEDESTRIAN	PE_DRUGS	CHAR(1)	Y	DRUG USE.(UNUSED)

189		4	PEDESTRIAN	PE_ADHOC_PROJ 1	CHAR(12)	Y	ADHOC PROJECT 1.(UNUSED)
190		4	PEDESTRIAN	PE_ADHOC_DATA 1	CHAR(12)	Y	ADHOC DATA 1.(UNUSED)
191		4	PEDESTRIAN	PE_ADHOC_PROJ 2	CHAR(12)	Y	ADHOC PROJECT 2.(UNUSED)
192		4	PEDESTRIAN	PE_ADHOC_DATA 2	CHAR(12)	Y	ADHOC DATA 2.(UNUSED)
193		4	PEDESTRIAN	PE_VEH_PED_FL AG	CHAR(1)	Y	VEHICLE / PEDESTRIAN FLAG "P".
194		4	PEDESTRIAN	PE_CRE_DATE_T IME	DATE		CREATED TIME AND DATE.
195		4	PEDESTRIAN	PE_CRE_USER	CHAR(8)		CREATED BY USER.
196		4	PEDESTRIAN	PE_UPD_DATE_T IME	DATE		UPDATED TIME AND DATE.
197		4	PEDESTRIAN	PE_UPD_USER	CHAR(8)		UPDATED BY USER.
198		4	PEDESTRIAN	PE_MHP_UNIQUE _KEY	VARCHAR2(22)	Y	THIS IS THE UNIQUE KEY TO THE PERSON BUSINESS TABLE IN THE NEW MHP SYSTEM.
199		4	PEDESTRIAN	PE_MHP_UNIQUE _TKEY	VARCHAR2(22)	Y	THIS IS THE FOREIGN KEY TO THE TRAFFIC CRASH TABLE IN THE NEW MHP SYSTEM.
200		4	PEDESTRIAN	PE_VIOL1_DESC	VARCHAR2(180)	Y	VIOLATION 1 DESCRIPTION
201		4	PEDESTRIAN	PE_VIOL2_DESC	VARCHAR2(180)	Y	VIOLATION 2 DESCRIPTION

Line #	VEDS element	PK	Name	Data Type	Nullable	Description
2			MCTSEND	BIT	Y	True if the call was sent to MCT
3	1.1 Incident #		INCIDENTNO	VARCHAR(15)	Y	Incident number for the call
4			OFFENSENO	VARCHAR(15)	Y	Offense number for the call
5			CTYPE	VARCHAR(1)	Y	Dispatch call type
6			CMAP_OBJECT_NO	INT	Y	Dispatch map object number
7			CSTREETNO	VARCHAR(8)	Y	Dispatch street number
8			CSTREETDIR	VARCHAR(2)	Y	Dispatch street direction
9			CSTREET	VARCHAR(30)	Y	Dispatch street name
10			CAPTLOT	VARCHAR(5)	Y	Dispatch apartment or suite
11			CXSTREETDIR1	VARCHAR(2)	Y	Dispatch cross street direction
12			CXSTREET1	VARCHAR(30)	Y	Dispatch cross street name
13			CXSTREETDIR2	VARCHAR(2)	Y	Dispatch cross street direction
14			CXSTREET2	VARCHAR(30)	Y	Dispatch cross street name
15			CPLACE	VARCHAR(55)	Y	Dispatch place
16			CIDIR1	VARCHAR(2)	Y	Dispatch location intersection

						direction
17			CISTREET1	VARCHAR(30)	Y	Dispatch location intersection street
18			CIDIR2	VARCHAR(2)	Y	Dispatch location intersection direction
19			CISTREET2	VARCHAR(30)	Y	Dispatch location intersection street
20			CINTERSTATE	VARCHAR(4)	Y	Dispatch interstate location
21			CBOUND	VARCHAR(1)	Y	Dispatch bound in what direction
22			CMM	VARCHAR(4)	Y	Dispatch mile marker
23			CEXIT	VARCHAR(10)	Y	Dispatch interstate exit
24			CENTRANCE	VARCHAR(10)	Y	Dispatch interstate entrance
25			COVERPASS	VARCHAR(10)	Y	Dispatch overpass location
26			CUNDERPASS	VARCHAR(10)	Y	Dispatch underpass location
27			CXINTERSTATE	VARCHAR(4)	Y	Dispatch cross interstate
28			CHIGHWAY	VARCHAR(30)	Y	Dispatch highway location
29			CMILES	VARCHAR(4)	Y	Dispatch highway miles to
30			CFROM	VARCHAR(30)	Y	Dispatch from location

31			CTOWARDS	VARCHAR(30)	Y	Dispatch on highway, towards location
32			COTHER_LOCATION	VARCHAR(55)	Y	Dispatch other location
33			CCITY	VARCHAR(18)	Y	Dispatch City
34			CSTATE	VARCHAR(2)	Y	Dispatch state
35			CZIP	VARCHAR(5)	Y	Dispatch zip code
36			CGEO_PRIMARY_AREA	VARCHAR(4)	Y	Dispatch primary geo area
37			CGEO_WRECKER_AREA	VARCHAR(4)	Y	Dispatch wrecker are
38			CGEO_LAW_SUB1	VARCHAR(4)	Y	Dispatch law geo sub area
39			CGEO_LAW_SUB2	VARCHAR(4)	Y	Dispatch law geo sub area
40			CGEO_LAW_SUB3	VARCHAR(4)	Y	Dispatch law geo sub area
41			CGEO_FIRE_SUB1	VARCHAR(4)	Y	Dispatch fire geo sub area
42			CGEO_FIRE_SUB2	VARCHAR(4)	Y	Dispatch fire geo sub area
43			CGEO_FIRE_SUB3	VARCHAR(4)	Y	Dispatch fire geo sub area
44			CGEO_EMS_SUB1	VARCHAR(4)	Y	Dispatch EMS geo sub area
45			CGEO_EMS_SUB2	VARCHAR(4)	Y	Dispatch EMS geo sub area
46			CGEO_EMS_SUB3	VARCHAR(4)	Y	Dispatch EMS geo sub area
47			CMAP_X	FLOAT	Y	Dispatch latitude

48			CMAP_Y	FLOAT	Y	Dispatch longitude
49			CDIR	TEXT	Y	Dispatch directions
50			DTYPE	VARCHAR(1)	Y	Occurrence call type
51	1.2 Location Description, Datum		DMAP_OBJECT_NO	INT	Y	Occurrence map object number
52	1.2 Location Description		DSTREETNO	VARCHAR(8)	Y	Occurrence street number
53	1.2 Location Description		DSTREETDIR	VARCHAR(2)	Y	Occurrence street direction
54	1.2 Location Description		DSTREET	VARCHAR(30)	Y	Occurrence street name
55	1.2 Location Description		DAPTLOT	VARCHAR(5)	Y	Occurrence street apartment or suite
56	1.2 Location Description		DXSTREETDIR1	VARCHAR(2)	Y	Occurrence cross street direction

57	1.2 Location Description		DXSTREET1	VARCHAR(30)	Y	Occurrence cross street name
58	1.2 Location Description		DXSTREETDIR2	VARCHAR(2)	Y	Occurrence cross street direction
59	1.2 Location Description		DXSTREET2	VARCHAR(30)	Y	Occurrence cross street name
60	1.2 Location Description		DPLACE	VARCHAR(55)	Y	Occurrence place name
61	1.2 Location Description		DIDIR1	VARCHAR(2)	Y	Occurrence location intersection direction
62	1.2 Location Description		DISTREET1	VARCHAR(30)	Y	Occurrence location intersection street
63	1.2 Location Description		DIDIR2	VARCHAR(2)	Y	Occurrence location intersection direction
64	1.2 Location Description		DISTREET2	VARCHAR(30)	Y	Occurrence location intersection street

65	1.2 Location Description		DINTERSTATE	VARCHAR(4)	Y	Occurrence interstate location
66	1.2 Heading		DBOUND	VARCHAR(1)	Y	Occurrence direction bound
67	1.2 Location Description		DMM	VARCHAR(4)	Y	Occurrence mile marker
68	1.2 Location Description		DEXIT	VARCHAR(10)	Y	Occurrence interstate exit location
69	1.2 Location Description		DENTRANCE	VARCHAR(10)	Y	Occurrence interstate entrance location
70	1.2 Location Description		DOVERPASS	VARCHAR(10)	Y	Occurrence overpass location
71	1.2 Location Description		DUNDERPASS	VARCHAR(10)	Y	Occurrence underpass location
72	1.2 Location Description		DXINTERSTATE	VARCHAR(4)	Y	Occurrence cross interstate

73	1.2 Location Description		DHIGHWAY	VARCHAR(30)	Y	Occurrence highway
74	1.2 Location Description		DMILES	VARCHAR(4)	Y	Occurrence miles distance
75	1.2 Location Description		DFROM	VARCHAR(30)	Y	Occurrence Highway from location
76	1.2 Location Description		DTOWARDS	VARCHAR(30)	Y	Occurrence highway towards location
77	1.2 Location Description		DOTHER_LOCATION	VARCHAR(55)	Y	Occurrence other location
78	1.2 Location Description		DCITY	VARCHAR(18)	Y	Occurrence city
79	1.2 Location Description		DSTATE	VARCHAR(2)	Y	Occurrence state
80	1.2 Location Description		DZIP	VARCHAR(5)	Y	Occurrence zip code

81	1.2 Location Description		DGEO_PRIMARY_AREA	VARCHAR(4)	Y	Occurrence geo primary area
82	1.2 Location Description		DGEO_LAW_SUB1	VARCHAR(4)	Y	Occurrence geo law sub area
83	1.2 Location Description		DGEO_LAW_SUB2	VARCHAR(4)	Y	Occurrence geo law sub area
84	1.2 Location Description		DGEO_LAW_SUB3	VARCHAR(4)	Y	Occurrence geo law sub area
85	1.2 Location Description		DGEO_FIRE_SUB1	VARCHAR(4)	Y	Occurrence geo fire sub area
86	1.2 Location Description		DGEO_FIRE_SUB2	VARCHAR(4)	Y	Occurrence geo fire sub area
87	1.2 Location Description		DGEO_FIRE_SUB3	VARCHAR(4)	Y	Occurrence geo fire sub area
88	1.2 Location Description		DGEO_EMS_SUB1	VARCHAR(4)	Y	Occurrence geo EMS sub area

89	1.2 Location Description		DGEO_EMS_SUB2	VARCHAR(4)	Y	Occurrence geo EMS sub area
90	1.2 Location Description		DGEO_EMS_SUB3	VARCHAR(4)	Y	Occurrence geo EMS sub area
91	1.2 Location Description, Latitude		DMAP_X	FLOAT	Y	Occurrence latitude
92	1.2 Location Description, Longitude		DMAP_Y	FLOAT	Y	Occurrence longitude
93			DDIR	TEXT	Y	Occurrence location direction
94			DOCCUR_IS_DISPATCH	BIT	Y	True if the occurrence is the same as the dispatch area
95			COMPLAINT	VARCHAR(20)	Y	Complaint
96			COMPLAINT_ADDINFO	VARCHAR(15)	Y	Complaint additional info
97			COMPLAINT_STATUS	VARCHAR(20)	Y	Complaint status
98			COMPLAINT_LAW	BIT	Y	True if this is a law complaint
99			COMPLAINT_FIRE	BIT	Y	True if this is a fire complaint

100			COMPLAINT_EMS	BIT	Y	True if this is a EMS complaint
101			COMPLAINT_PUBLIC	BIT	Y	True if this call is for public view
102			COMPLAINT_TSDR	BIT	Y	True if this is a TSDR complaint
103			COMPLAINT_CRASH	BIT	Y	True if this is a crash complaint
104			COMPLAINT_OTHER	BIT	Y	True if this is other complaint
105			COMPLAINT_DUPLICATES	BIT	Y	True if there is a duplicate compliant
106			PRIORITY	VARCHAR(1)	Y	Priority of the call
107			ALARM	BIT	Y	True if this an alarm call
108			WEAPON	VARCHAR(10)	Y	Weapon used in the complaint
109	1.1 Provider Name		CNAME	VARCHAR(30)	Y	Complainant name
110	1.1 Call back #		CPHONE	VARCHAR(13)	Y	Complainant phone number
111			CCONTACT	VARCHAR(1)	Y	Complainant contact - Y or N
112	1.1 Provider Name		C911	VARCHAR(1)	Y	Complainant 911 call - Y or N
113			PUNIT	VARCHAR(5)	Y	Primary unit

114			PUNITA	VARCHAR(4)	Y	Primary unit agency
115			PUNITPERNO	VARCHAR(15)	Y	Primary unit personnel number
116	1.2 Receive Date/Time of Incident		DRECV	DATETIME	Y	Date call received
117	1.2 Receive Date/Time of Incident		TRECV	DATETIME	Y	Time call received
118			DRECV_C	VARCHAR(10)	Y	String value of the DRECV Field
119			TRECV_C	VARCHAR(8)	Y	String value of the TRECV Field
120			DSHIP	DATETIME	Y	Date call was shipped to unit
121			TSHIP	DATETIME	Y	Time call was shipped to unit
122			DDISP	DATETIME	Y	Date call was disposed
123			TDISP	DATETIME	Y	Time call was disposed
124			D1051	DATETIME	Y	Date unit was enroute
125			T1051	DATETIME	Y	Time unit was put on enroute
126			D1097	DATETIME	Y	Date unit was placed on scene
127			T1097	DATETIME	Y	Time unit was placed on scene
128			D1098	DATETIME	Y	Date call was closed

129			T1098	DATETIME	Y	Time call was closed
130			CLOSED	VARCHAR(1)	Y	Closed code
131			CODE_DATE	DATETIME	Y	Date call was coded closed
132			CODE_TIME	DATETIME	Y	Time call was coded closed
133			CODE1	VARCHAR(4)	Y	Code 1 for call disposition
134			CODE1_REASON	VARCHAR(50)	Y	Reason the call was closed
135			CODE1_LAW	BIT	Y	True if call was closed as law call
136			CODE1_FIRE	BIT	Y	True if call was closed as fire call
137			CODE1_EMS	BIT	Y	True if call was closed as EMS call
138			CODE1_OTHER	BIT	Y	True if call was closed as other call
139			CODE1_TSDR	BIT	Y	True if call was closed as a TSDR call
140			CODE2	VARCHAR(4)	Y	Code 2 for call disposition
141			CODE2_REASON	VARCHAR(50)	Y	Reason the call was closed
142			CODE3	VARCHAR(4)	Y	Code 3 for call disposition
143			CODE3_REASON	VARCHAR(50)	Y	Reason the call was closed
144			CODE4	VARCHAR(4)	Y	Code 4 for call disposition
145			CODE4_REASON	VARCHAR(50)	Y	Reason the call was closed

146			CODE5	VARCHAR(4)	Y	Code 5 for call disposition
147			CODE5_REASON	VARCHAR(50)	Y	Reason the call was closed
148			CODE6	VARCHAR(4)	Y	Code 6 for call disposition
149			CODE6_REASON	VARCHAR(50)	Y	Reason the call was closed
150			CALLTAKER	VARCHAR(10)	Y	Call taker for the call
151			DISPATCHER	VARCHAR(10)	Y	Dispatcher of the call
152			SUSPEND	BIT	Y	True if the call was suspended
153			SUSPEND_DATE	DATETIME	Y	Date call was suspended
154			SUSPEND_TIME	DATETIME	Y	Time call was suspended
155			FLAG_CWO	BIT	Y	True if there was dispatch watch order
156			FLAG_CPC	BIT	Y	True if there was a dispatch prior call
157			FLAG_CPX	BIT	Y	True if there are prior calls for the dispatch location
158			FLAG_CCN	BIT	Y	True if there are caution notes on the dispatch location
159			FLAG_CTW	BIT	Y	True if there are trespass warnings for dispatch location

160			FLAG_CDIR	BIT	Y	True if there are directions to the dispatch location
161			FLAG_CDUP	BIT	Y	True if there are duplicate calls for this dispatch location
162			FLAG_DWO	BIT	Y	True if there is watch order on the occurrence address
163			FLAG_DPC	BIT	Y	True if there are prior calls for the occurrence location
164			FLAG_DPX	BIT	Y	True if there are prior calls for the occurrence location
165			FLAG_DCN	BIT	Y	True if there are caution notes on the occurrence location
166			FLAG_DTW	BIT	Y	True if there are trespass warnings for occurrence location
167			FLAG_DDIR	BIT	Y	True if there are directions to the occurrence location
168			FLAG_DDUP	BIT	Y	True if there are duplicate calls for this occurrence location
169			FLAG_TPC	BIT	Y	True if there are Vehicle Priors
170			FLAG_TCN	BIT	Y	True if there are Vehicle Caution Note

171			FLAG_TTL	BIT	Y	True if there are Vehicle Tow
172			FLAG_TBO	BIT	Y	True if there are Vehicle BOLO (Be on the lookout)
173			FLAG_AN	BIT	Y	True if there is a call note
174			FLAG_ERUN	BIT	Y	True if there is a EMS Run Card for call (not used)
175			FLAG_FRUN	BIT	Y	True if there is a Fire Run Card for call (not used)
176			FLAG_LRUN	BIT	Y	True if there is a Law Run Card for call (not used)
177			FLAG_DUP	BIT	Y	True if there is a Duplicate call
178			FLAG_SOP	BIT	Y	True if there is a SOP record exists for call's complaint
179			FLAG_MED	BIT	Y	True if there is a Medical record exists for call's complaint
180			LOCATION_DISPLAY	VARCHAR(80)	Y	The main screen displays this field, it is a combination of the main street with the cross streets
181			LAST_REFRESH_DATE	DATETIME	Y	Last refresh date
182			LAST_REFRESH_TIME	DATETIME	Y	Last refresh time

183			RMS_EXPORT_LAW	BIT	Y	This field is not used
184			RMS_EXPORT_FIRE	BIT	Y	This field is not used
185			RMS_EXPORT_EMS	BIT	Y	This field is not used
186		🔑	RMS_EXPORT_OTHER	BIT	Y	This field is not used
187			UNIQUEKEY	VARCHAR(22)	N	Primary key for the record
188			UCR_CODE1	VARCHAR(4)	Y	UCR Code1
189			UCR_CODE2	VARCHAR(4)	Y	UCR Code2
190			UCR_CODE3	VARCHAR(4)	Y	UCR Code3
191			UCR_CODE4	VARCHAR(4)	Y	UCR Code4
192			UCR_CODE5	VARCHAR(4)	Y	UCR Code5
193			UCR_CODE6	VARCHAR(4)	Y	UCR Code6
194			UCR_DESCRIPTOR1	VARCHAR(100)	Y	UCR description for the code
195			UCR_DESCRIPTOR2	VARCHAR(100)	Y	UCR description for the code
196			UCR_DESCRIPTOR3	VARCHAR(100)	Y	UCR description for the code
197			UCR_DESCRIPTOR4	VARCHAR(100)	Y	UCR description for the code
198			UCR_DESCRIPTOR5	VARCHAR(100)	Y	UCR description for the code
199			UCR_DESCRIPTOR6	VARCHAR(100)	Y	UCR description for the code

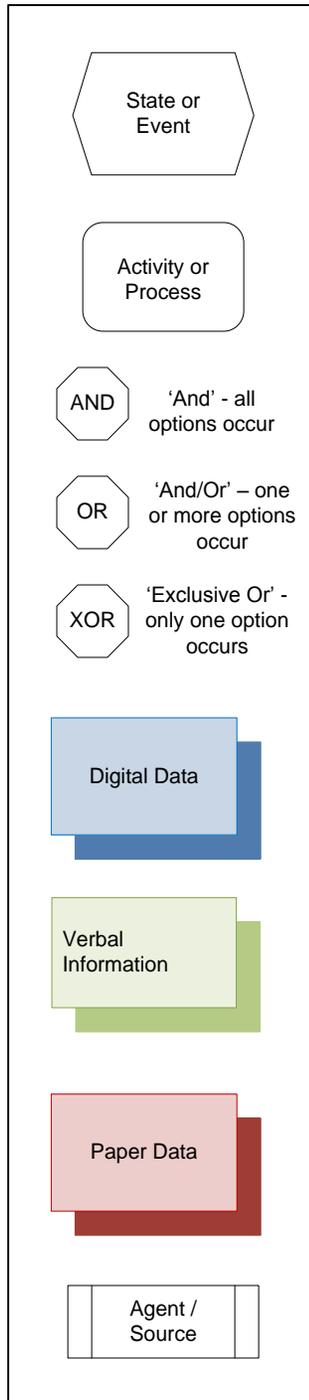
200			GMT_OFFSET	INT	Y	Greenwich mean time offset
201	1.1 Provider Name		AGENCY	VARCHAR(4)	Y	Agency for the call
202			RUNIT	VARCHAR(5)	Y	Reporting unit
203			RUNITA	VARCHAR(4)	Y	Reporting unit agency
204			RUNITPERNO	VARCHAR(15)	Y	Reporting unit personnel number
205			FLAG_VALIDATED	BIT	Y	True if the main address has been validated
206			FLAG_MCT_INITIATED	BIT	Y	True if an MCT sent this call in
207			C911_TYPE	INT	Y	911 call type
208			CICITY	BIT	Y	True if the Dispatch occurred inside an incorporated city
209			DICITY	BIT	Y	True if the occurrence occurred inside an incorporated city
210			CCOUNTY	VARCHAR(35)	Y	Dispatch county
211			DCOUNTY	VARCHAR(35)	Y	Occurrence county
212			CVALIDATED	BIT	Y	Dispatch location validated
213			DVALIDATED	BIT	Y	Occurrence location validated

214			CADDRESS1	VARCHAR(55)	Y	Dispatch address
215			CADDRESS2	VARCHAR(55)	Y	Dispatch address
216	1.2 Location Description		DADDRESS1	VARCHAR(55)	Y	Occurrence address
217	1.2 Location Description		DADDRESS2	VARCHAR(55)	Y	Occurrence address
218			CGEOKEY	VARCHAR(22)	Y	Dispatch geo key
219			DGEOKEY	VARCHAR(22)	Y	Occurrence geo key
220			COMPLAINT_NONCAD	BIT	Y	Non CAD complaint
221			PUNITR	VARCHAR(15)	Y	Primary unit agency
222			RUNITR	VARCHAR(15)	Y	Backup unit perno
223			CALL_ORIGIN	VARCHAR(25)	Y	Call Orgin
224			QUNIT	VARCHAR(5)	Y	Q Unit
225			CEXT	VARCHAR(10)	Y	Dispatch location extension
226			ALARM_LEVEL	INT	Y	Alarm Level
227			FLAG_NOTIFICATION_LIST	BIT	Y	Flag notification list
228			LAST_CHANGE_BY	VARCHAR(10)	Y	User who last changed record

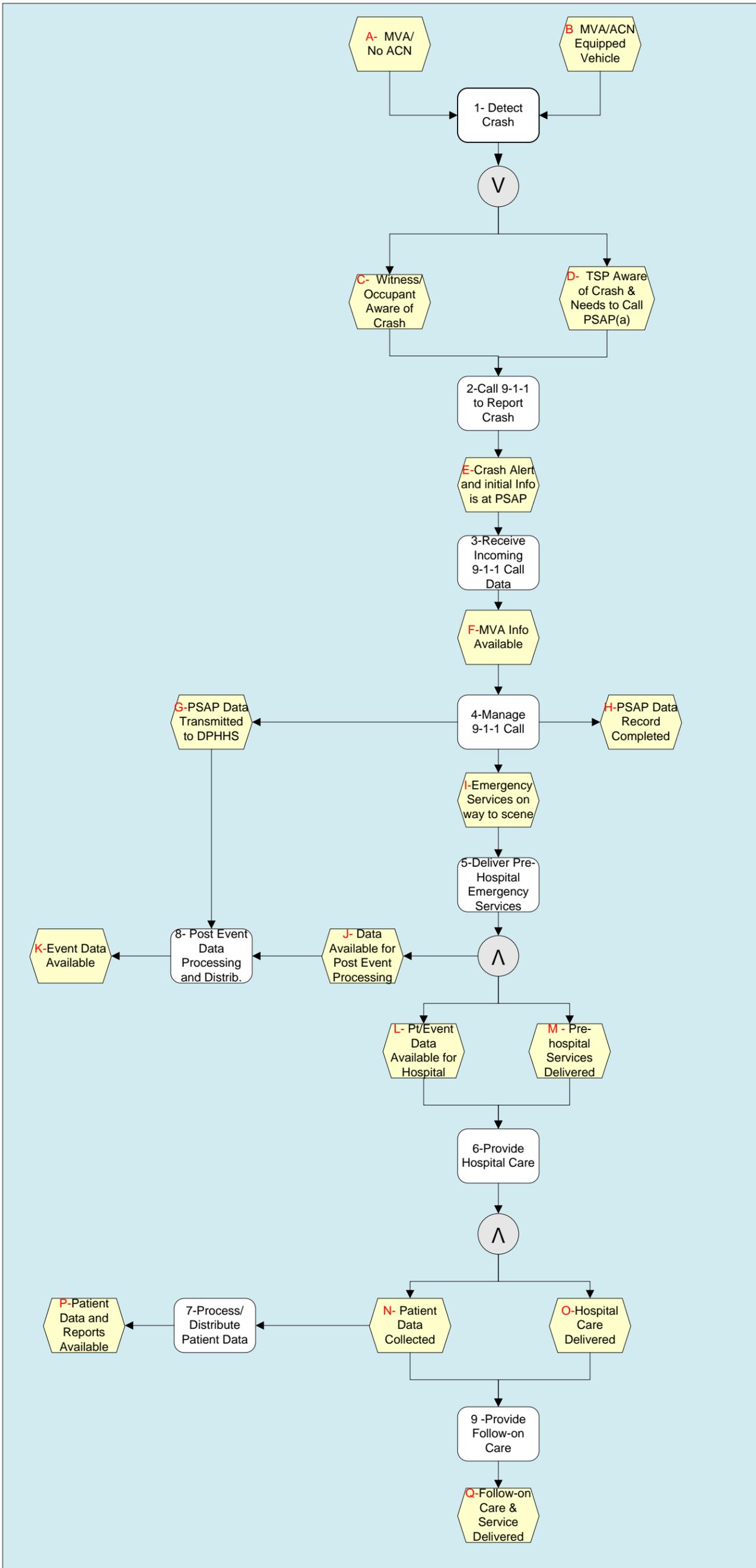
229			FLAG_APCO	BIT	N	True if APCO
230			APCO_IN_PROGRESS	BIT	N	APCO is in progress

Appendix C: Flow Diagrams

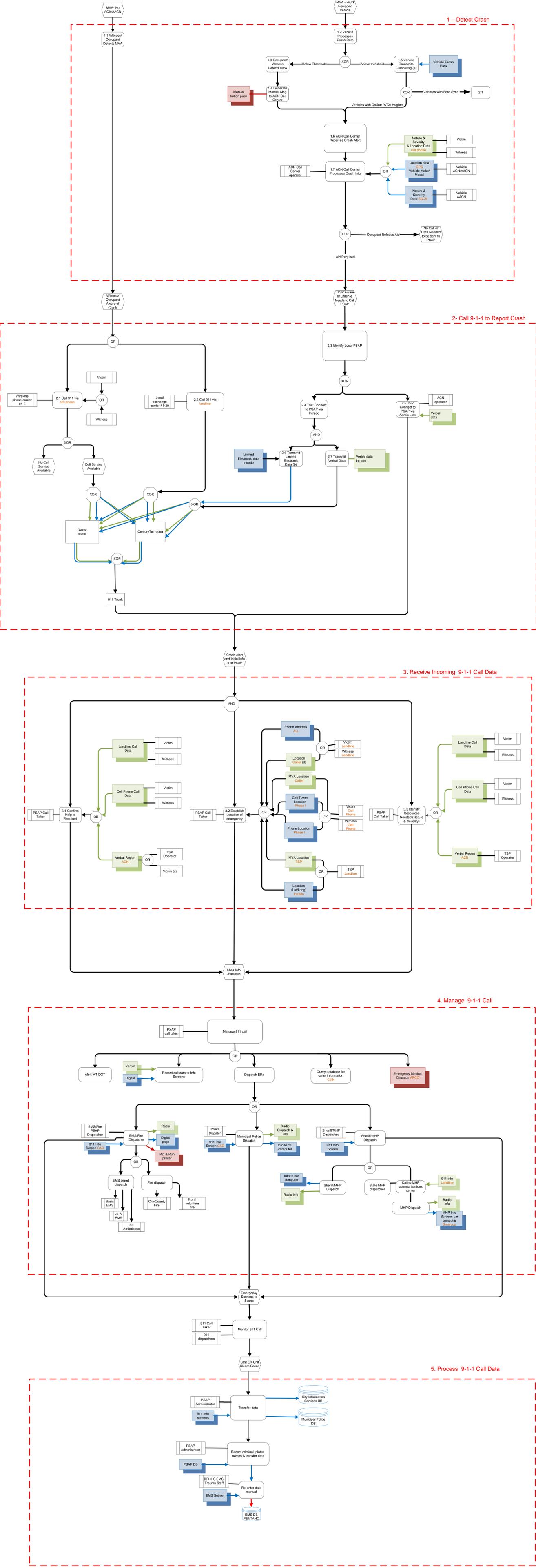
Legend



Level 0 – MVA Crash Response Overview



9-1-1 PSAP ACN



Legend

- State or Event
- Activity or Process (Contains Verb)
- AND
- OR
- XOR
- Digital Data
- Verbal Data
- Paper Data
- Agent / Source

Footnotes

a) Ford Sync will wait 30 seconds before transmitting data to PSAP to allow vehicle occupant time to cancel transmission if no help required

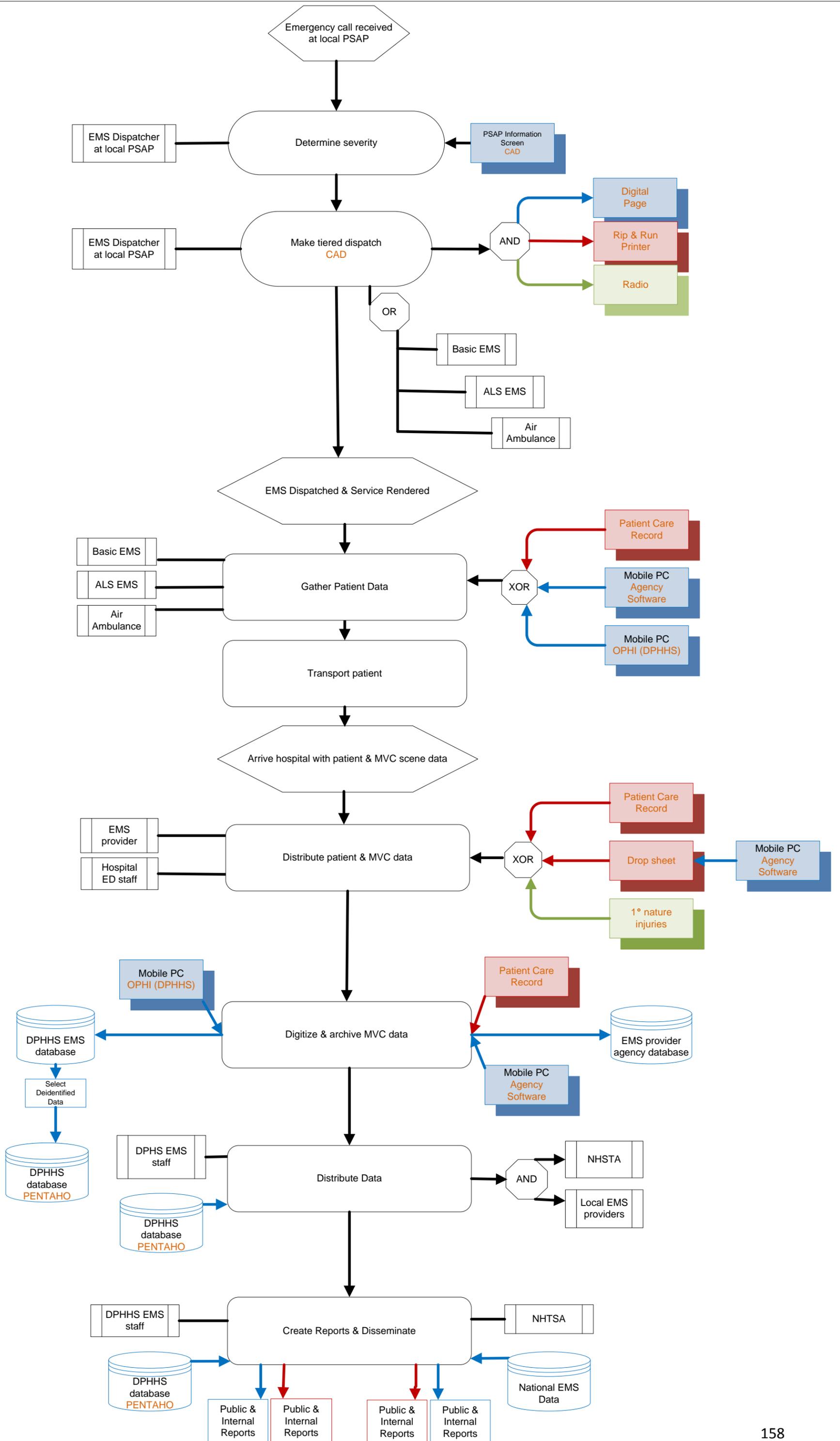
b) Currently, the electronic AACN data provided (if Priority Access is operational in MT) contains only Call Center ID (OnStar, ATX, Hughes). Call Center call back number and crash latitude/longitude. Other data (such as make/model of car, crash severity, etc) is provided verbally to the PSAP by the ACN Call Center.

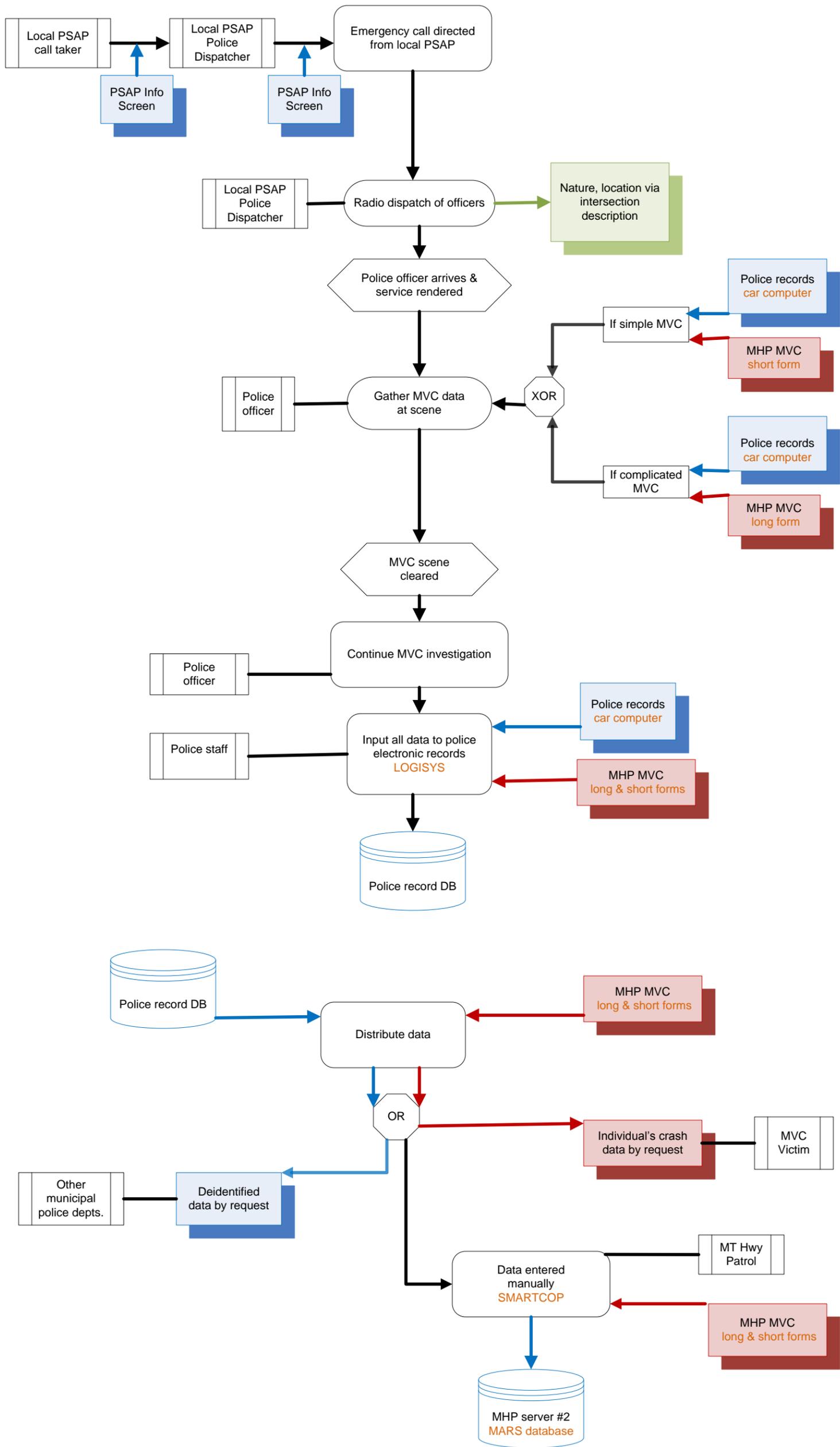
c) Vehicle occupants can be conferenced in by TSP (OnStar, etc) or are connected with PSAP directly if Ford Sync.

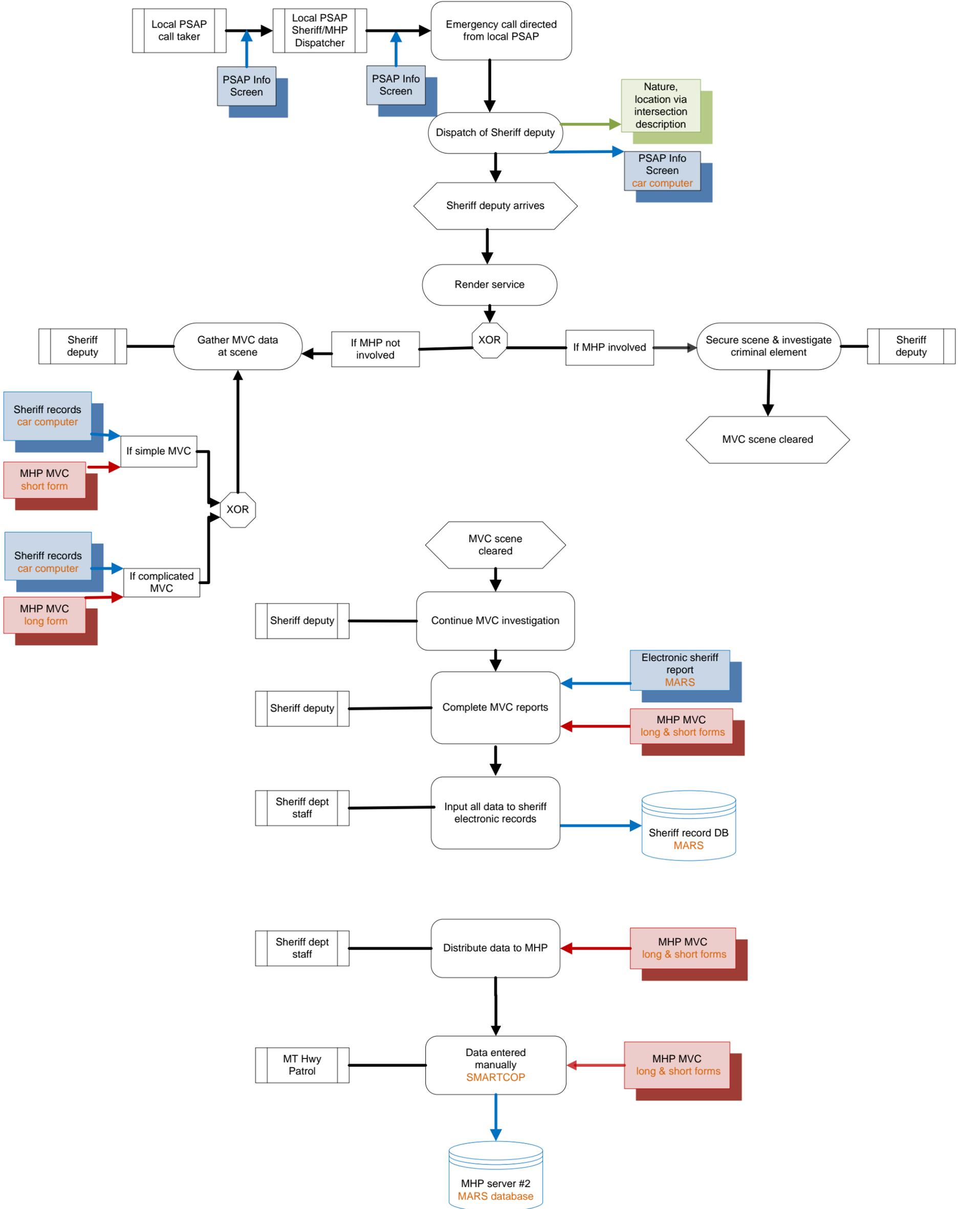
d) Location of landline caller may or may not be location of emergency.

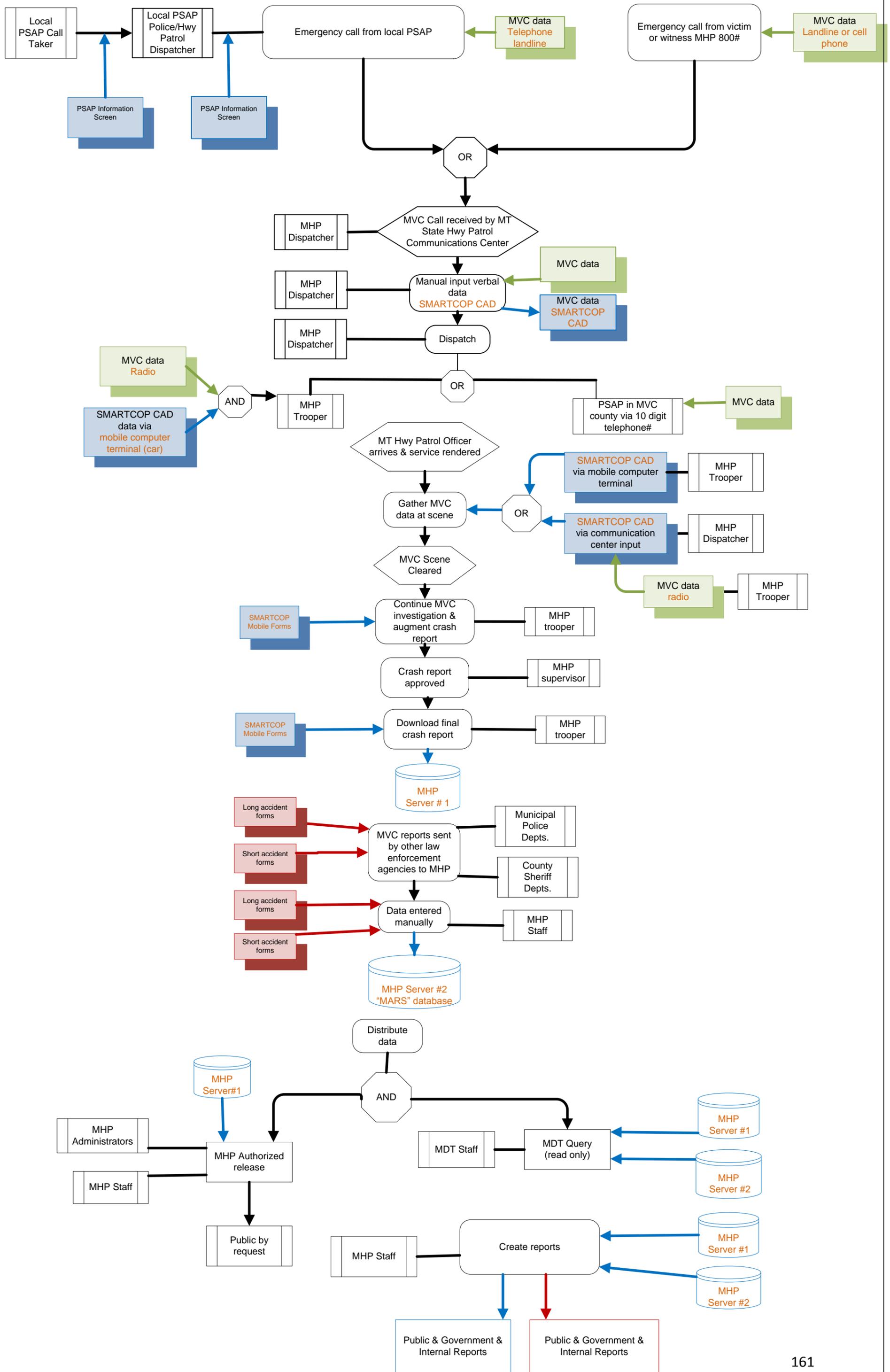
e) May include verbal indication of crash delta velocity, direction of impact (frontal, rear, side) & possibly estimated likelihood of serious injury (BMW). Severity information not provided digitally via Priority Access.

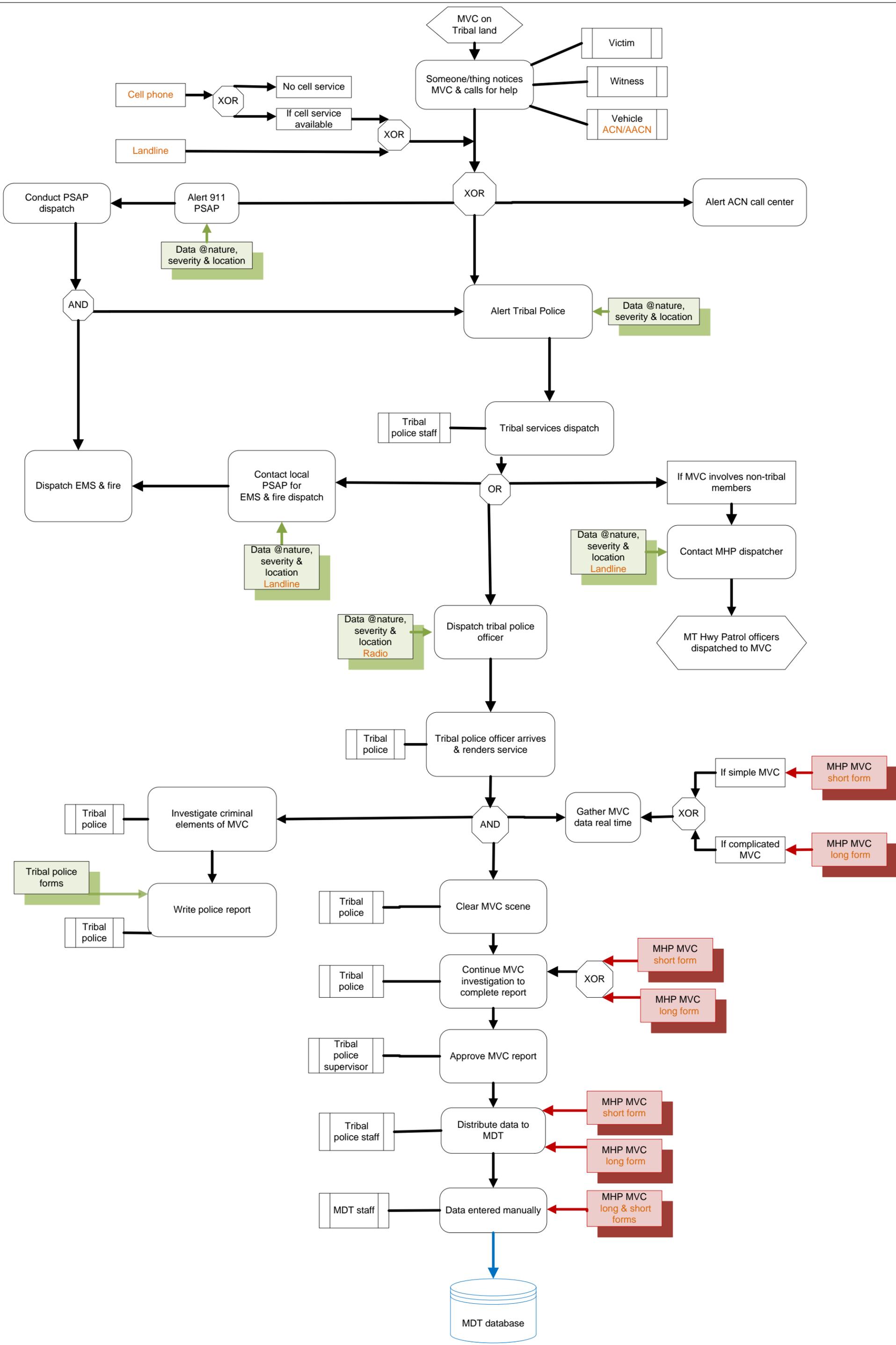
f) Reflects state of science at Missoula PSAP, per recommendation from Expert Panel.

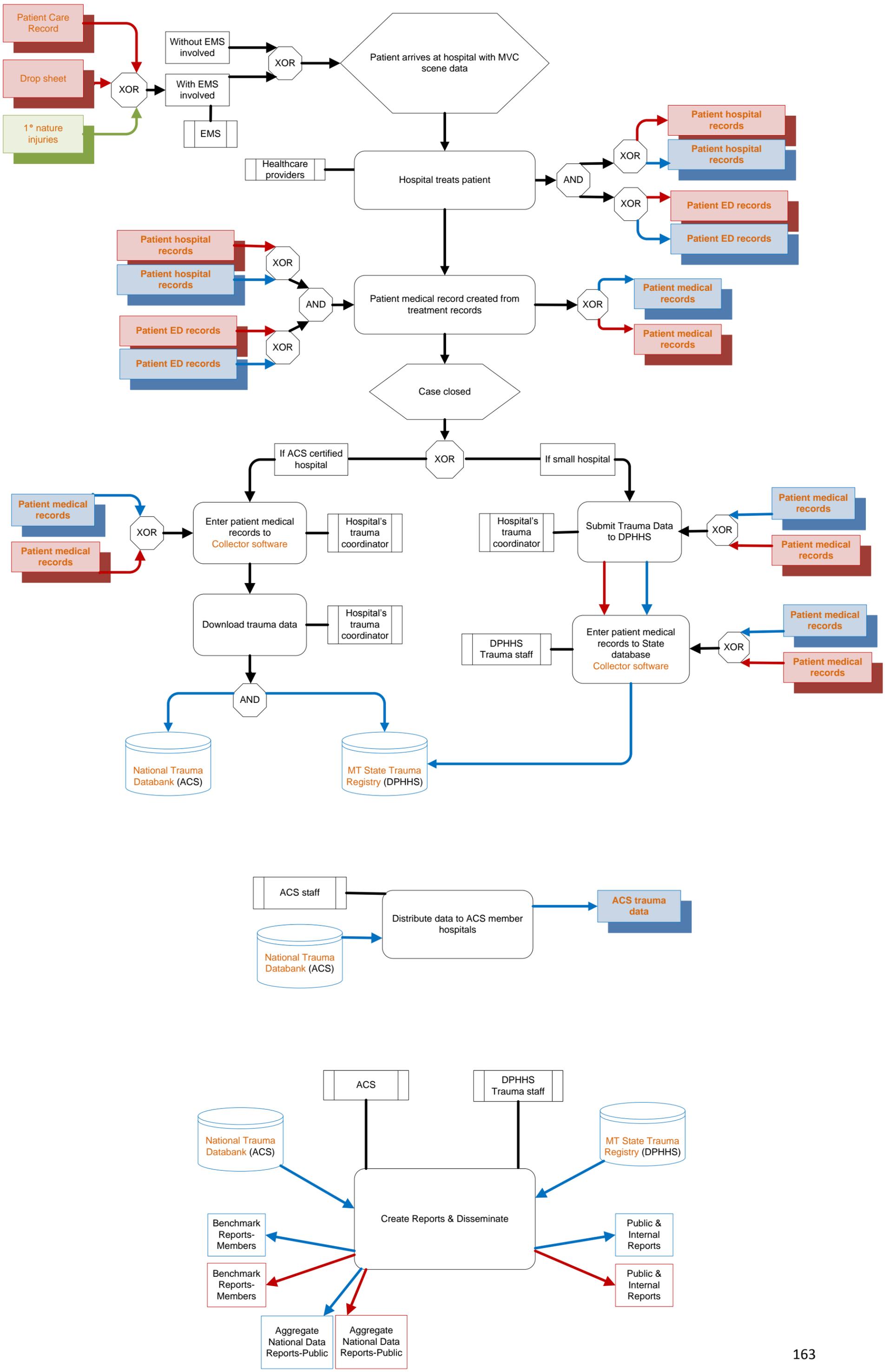












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