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# **NEMSIS**

## **Data Dictionary**

**NHTSA v3.4.0**  
**Build 160316 Critical Patch 1**

# **State Data Set Standard**

**Version Date: March 16, 2016**

Funded by  
**National Highway Traffic Safety Administration (NHTSA)**  
**Office of Emergency Medical Services**

**[www.NEMSIS.org](http://www.NEMSIS.org)**

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# NEMSIS Data Dictionary Version 3.4.0

## NEMSIS Overview and Summary

The NEMSIS data dictionary was developed through a collaborative effort with the EMS industry including: web-based reviews, public comment periods, focus groups, industry dialogue, topic focused projects, and consensus. The National EMS Information System Version 3 represents a major revision from version 2 released in 2005. Adopting a broad perspective, the initiative to move to a 3rd version of the NEMSIS data dictionary was fueled by the need to improve data quality, enhance our ability to assess EMS performance, augment the flexibility of the standard for state adoption and, to move the NEMSIS standard into the Health Level 7 (HL7) organization for approval as an American National Standards Institute (ANSI) standard.

### NEMSIS Version 3 Element Configuration from v2.2.1

NEMSIS NHTSA Uniform PreHospital Dataset	Version 2.2.1	Version 3
<b>Demographic (Agency) NEMSIS Version 3 Data Elements</b>	<b>110 (26%)</b>	<b>155 (24%)</b>
Existing (version 2.2.1)	88 (80%)	88 (58%)
New		67 (42%)
Retired	22 (20%)	
<b>EMS (ePCR) NEMSIS Version 3 Data Elements</b>	<b>315 (74%)</b>	<b>423 (73%)</b>
Existing (version 2.2.1)	258 (82%)	258 (61%)
New		165 (39%)
Retired	57 (18%)	
<b>Overall Total NEMSIS Version 3 Data Elements</b>	<b>425</b>	<b>578</b>
Existing (version 2.2.1)	346 (81%)	346 (60%)
New		232 (40%)
Retired	79 (19%)	

### NEMSIS Version 3 Element Configuration

Total Elements including the Custom Elements: 578

Excluding the Demographic and EMS (ePCR) Custom Elements: 556

<b>Total National Elements</b>	<b>166</b>	<b>Total State Elements</b>	<b>103</b>	<b>Total "Other" Element</b>	<b>309</b>
Mandatory	37	Recommended	82	Excluding the custom elements	287
Required	129	Optional	21	Demographic (Agency) Elements	88
<b>Demographic (Agency) Elements</b>	<b>35</b>	<b>Demographic (Agency) Elements</b>	<b>32</b>	Excluding the custom elements	77
Mandatory	22	Recommended	32	<b>EMS (ePCR) Elements</b>	<b>221</b>
Required	13	Optional	0	Excluding the custom elements	210
<b>EMS (ePCR) Elements</b>	<b>131</b>	<b>EMS (ePCR) Elements</b>	<b>71</b>		
Mandatory	15	Recommended	50		
Required	116	Optional	21		

### NEMSIS Version 3.4.0 Data Dictionary Content

\*\*Note: The numbers to the right of the content listed below represent the location for each element on the Sample Page of the Data Dictionary (page vi).

#### Data Element Number (#1)

The NEMSIS Version 3 element numbering system has been revised to improve the information that can be derived from just the data element number. An example of a data element number is dAgency.01.

- The data element number begins with either a "d" representing the demographic (agency) section or an "e" representing the EMS PCR section.
- A one word descriptor for each section is now included in the data element

number.

- A period separates the section (e.g. dAgency) from the data element number (e.g. 01).

### **Data Element Name (#3)**

The name for the data element.

### **National and State Element Indicator (#2, #5, #6)**

National = Yes, is an indication that the data element is required to be collected:

- at the local EMS agency level and submitted to the state

State = Yes, is an indication that the data element is recommended to be collected at the "State" level.

### **Data Element Definition (#4)**

The definition for the data element.

### **Version 2 Number (#7)**

The NEMSIS Version 2.2.1 Data Element Number.

If the Data Element is new to Version 3.4.0, the Version 2 Number will be blank.

### **Data Structure Information**

#### **Recurrence (#12)**

- Indication that the data element can have more than one value.  
Represented by two characters separated by a colon. The configuration includes:
  - 0:1 = element is not required and can occur only once
  - 0:M = element is not required and can repeat multiple times
  - 1:1 = element is required and can occur only once
  - 1:M = element is required and can repeat multiple times

#### **Usage (#8)**

- Indication of when the data element is expected to be collected.
  - Mandatory = Must be completed and does not allow for NOT values
  - Required = Must be completed and allows NOT values
  - Recommended = Does not need to be completed and allows NOT values
  - Optional = Does not need to be completed and does not allow for NOT values

#### **NOT Value Characteristics (#10)**

- Indication that the data element can have NOT values.
- NOT Values are used (where permitted) to document that a data element was not applicable to the EMS response / request for service, was not or could not be completed.
- NOT Values are documented as "an attribute" of an element. It allows the documentation of NOT value when a "real" value is not documented. (*Please reference the NEMSIS White Paper describing the use of NOT Values, Pertinent Negatives, and Null.*)

#### **NOT Values Accepted (#14)**

- Indication of which of the following three NOT values is acceptable.
- Not all data elements accept NOT values.
- NOT Values have been condensed in Version 3.
  - Not Applicable = *The data element is not applicable or pertinent to the EMS event.*
  - Not Recorded = *If a data element was unintentionally left blank the EMS*

*software should auto-populate it with "Not Recorded".*

*Not Reporting = The data element is not collected by the EMS agency or state. This NOT value does not apply to National elements where "Usage = Required".*

#### **Pertinent Negative Values (PN) (#9, #14)**

- A list of Pertinent Negative Values which can be associated with a data element.
- Not all data elements accept Pertinent Negative Values.
- Pertinent Negative Values are documented as "an attribute" of an element. It allows the documentation of pertinent negative value in addition to the documentation of a "real" value. *(Please reference the NEMSIS White Paper describing the use of NOT Values, Pertinent Negatives, and Nill.)*
- Example of use:

##### **Example #1 - Aspirin Administration:**

If the medication Aspirin is part of the agency protocol for Chest Pain but was not administered by the responding crew, the reason why should be documented. This is done through the use of Pertinent Negative Values. If the patient took the Aspirin prior to the EMS arrival on scene, the value "Medication Already Taken" should be documented in addition to "Aspirin".

##### **Example #2 - Gunshot Wound Entry & Exit Assessment**

If the patient was injured by a gunshot the assessment should document not only the entry but the exit of the bullet. In the abdominal assessment if "Gunshot Wound-Entry" was documented in the Right Upper Quadrant the EMS professional should be looking for an exit wound. If upon assessment of the back/spine no "Gunshot Wound-Exit" was identified then both "Gunshot Wound-Exit" and the pertinent negative value of "Exam Finding Not Present" should be documented.

#### **Is Nillable (#11)**

- Indication that the element can accept a "blank" value.
- If the element is left "blank" the software must submit an appropriate value of one of the two attributes: Pertinent Negative or NOT Values.

#### **Associated Performance Measure Initiatives (#13)**

Indication that the data element has value in describing, defining, or measuring EMS from a performance perspective. Performance Measures can be associated with EMS service delivery, patient care, or both. The following service delivery or time dependent illness/injury performance measure topics have been included in NEMSIS Version 3:

- Airway - Airway Management
- Cardiac Arrest - Out of Hospital Cardiac Arrest
- Pediatric - Acute Pediatric Care
- Response - EMS Response Time
- STEMI - ST Elevation Myocardial Infarction (STEMI)
- Stroke - Acute Stroke Care
- Trauma - Acute Injury/Trauma Care

#### **Attributes (#14)**

An attribute provides extra information within an element. For information related to the first three attributes please see the NEMSIS document 'How to Utilize NEMSIS V3 "NOT values/pertinent negatives/nillable"'. The following are possible attributes:

- PN (Pertinent Negative)

8801001 - Contraindication Noted  
8801003 - Denied By Order  
8801005 - Exam Finding Not Present  
8801007 - Medication Allergy  
8801009 - Medication Already Taken  
8801013 - No Known Drug Allergies  
8801015 - None Reported  
8801017 - Not Performed by EMS  
8801019 - Refused  
8801021 - Unresponsive  
8801023 - Unable to Complete

- NV (Not Value)

7701001 - Not Applicable  
7701003 - Not Recorded  
7701005 - Not Reporting

- Nillable xsi:nil="true"

- Code Type

9924001 - ICD10  
9924003 - RxNorm

- CorrelationID

Date Type = String  
minLength = 0  
maxLength = 255

- DistanceUnit

9921001 - Kilometers  
9921003 - Miles

- EmailAddressType

9904001 - Personal  
9904003 - Work

- nemsisCode

Date Type = String

- nemsisElement

Date Type = String

- nemsisValueDescription

Date Type = String

- PhoneNumberType

9913001 - Fax  
9913003 - Home  
9913005 - Mobile  
9913007 - Pager  
9913009 - Work

- ProcedureGroupCorrelationID  
Date Type = CorrelationID
- StreetAddress2  
Date Type = String  
minLength = 1  
maxLength = 55
- TIMESTAMP  
Date Type = DateTime  
minValue = 1950-01-01T00:00:00-00:00  
maxValue = 2050-01-01T00:00:00-00:00
- VelocityUnit  
9921001 - Kilometers  
9921003 - Miles

### **Code List (#16)**

A list of values associated with the data element. Not all data elements have predefined value sets.

Codes for each value:

- The codes are based on a 7-digit number, in a 2-2-3 pattern (without dashes).  
The first set of two numbers represent the data section  
The second set of two numbers represent the element number  
The last set is a 3-digit number for each value beginning at 001; The codes increase in increments of two (2).
- Codes are typically sequential (by two) and alphabetical. Some ordering is provided in an effort to present information based on workflow.
- Several values and codes reference external standards such as ICD-10, RxNorm, SNOMED, etc. NEMSIS will assist in providing a recommended list of EMS specific values and codes from these larger standards for most elements using these external standards.

### **Data Element Editorial Comments (#17)**

Comments are provided to describe additions, changes, clarifications, or provide additional insight into the data element.

### **Version 3 Changes Implemented (#18)**

Comments providing insight into specific Version 3 changes such as new or revised data elements.

### **Element Deprecated (#19)**

Elements that are signified as "deprecated" will be removed from a future version of the NEMSIS standard. Their use should now be avoided, but will be supported until they are removed from the standard.

## **NEMSIS Version 3.4.0 Change Summary**

**NEMSIS Version 3 includes several new types of information to better describe EMS from an industry, workforce, EMS service delivery, and patient care perspective. Examples of new Version 3 content include:**

## **Demographic (Agency) Content**

EMS Agencies can list more than one state in which they offer EMS service delivery.  
EMS Agencies can indicate multiple Agency numbers.  
Multiple EMS Agency contacts can now be managed within the Demographic Section.  
EMS Agency Location and GIS information has been enhanced.  
EMS Professional and Workforce information has been enhanced.

## **EMS (PCR) Content**

EMS Crew level information has been enhanced  
Scene location information has been enhanced to improve geo-coding and location analysis.  
Provider Impression (diagnosis), Symptoms, Cause of Injury, Medical/Surgical History, and Incident Location are now based on ICD-10.  
Procedures are now based on SNOMED.  
Medications are now stored using the RxNorm standard  
Cardiac Arrest information has been enhanced to add focus on CPR and post arrest cooling.  
Automated Collision Notification information has been included.  
The data elements required to document and evaluate the CDC Field Triage Algorithm for trauma have been included.  
Vital Sign and patient monitoring information have been enhanced  
A new section for Laboratory and Diagnostic Imaging results has been added.  
The Exam section has been reconfigured to improve documentation and ease of use.  
Much of the medical device information has been mapped into the vital sign section for direct import via the XML standard.  
Inclusion of electronic signatures and external electronic documents.  
An Airway section has been added to better document and evaluate airway management.  
Improved Work Related Illness and Injury documentation capability.  
Disposition information has been enhanced especially associated with Specialty Centers and time dependent illness/injury Systems of Care.  
EMS Response and Transport Modes have been enhanced to better define emergent, non-emergent, scheduled, and non-scheduled variation.  
EMS Response and Transport Mode Descriptors have been added to allow for documentation of Lights and Sirens Use and Intersection Navigation tools.  
The Payment/Billing section has been greatly expanded to meet current electronic billing requirements.  
Outcome information has been expanded to include additional Emergency Department and Hospital Outcome information (often obtained through linkage).

## **General Improvements**

Version 3 content has focused on objective performance measures to better describe and evaluate EMS service delivery and patient care.  
State level configuration and customized data elements have been enhanced without changing the NEMSIS Version 3 Standard.



## 3 eMedications.01 - Date/Time Medication Administered

## 4 Definition

The date/time medication administered to the patient

5 National Element	Yes	Pertinent Negatives (PN)	Yes	9
6 State Element	Yes	NOT Values	Yes	10
7 Version 2 Element	E18_01	Is Nillable	Yes	11
8 Usage	Required	Recurrence	1 : M	12

## 13 Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## 14 Attributes

**NOT Values**

7701001 - Not Applicable    7701003 - Not Recorded    7701005 - Not Reporting

**Pertinent Negatives**

8801001 - Contraindication Noted    8801003 - Denied By Order    8801007 - Medication Allergy  
8801009 - Medication Already Taken    8801019 - Refused    8801023 - Unable to Complete

**Email Address**

9904001 - Personal    9904003 - Work

**Phone Number**

9913001 - Fax    9913003 - Home    9913005 - Mobile    9913007 - Pager    9913009 - Work

**Current Status**

A - Active    I - Inactive

**Current Status Date**

**Data Type:** DateTime    **minInclusive:** 1950-01-01T00:00:00    **maxInclusive:** 2050-01-01T00:00:00

**Pattern:** [0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

**Correlation ID**

**Data Type:** String    **minLength:** 0    **maxLength:** 255

## 15 Constraints

Data Type	minValue	maxValue
dateTime	1950-01-01T00:00:00	2050-01-01T00:00:00

**Pattern**

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

## 16 Code List

**Code    Description**

SSEE001 Value A

SSEE003 Value B

SSEE005 Value C

## 17 Data Element Comment

Comments for this element

## 18 Version 3 Changes Implemented

Version 3 Changes implemented for this element



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# StateDataSet

## Legend

Dataset Level: N National S State

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

## StateDataSet

1 : 1	dConfiguration.01 - State Associated with the Certification/Licensure Levels	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; border: 1px solid black;">M</span>
0 : 1	dCustomConfiguration			
0 : M	dCustomConfiguration.CustomGroup			
0 : 1	dCustomConfiguration.01 - Custom Data Element Title			<span style="background-color: lightgray; border: 1px solid black;">M</span>
0 : 1	dCustomConfiguration.02 - Custom Definition			<span style="background-color: lightgray; border: 1px solid black;">M</span>
0 : 1	dCustomConfiguration.03 - Custom Data Type			<span style="background-color: lightgray; border: 1px solid black;">M</span>
0 : 1	dCustomConfiguration.04 - Custom Data Element Recurrence			<span style="background-color: lightgray; border: 1px solid black;">M</span>
0 : 1	dCustomConfiguration.05 - Custom Data Element Usage			<span style="background-color: lightgray; border: 1px solid black;">M</span>
0 : M	dCustomConfiguration.06 - Custom Data Element Potential Values			<span style="background-color: lightgray; border: 1px solid black;">O</span>
0 : M	dCustomConfiguration.07 - Custom Data Element Potential NOT Values (NV)			<span style="background-color: lightgray; border: 1px solid black;">O</span>
0 : M	dCustomConfiguration.08 - Custom Data Element Potential Pertinent Negative Values (PN)			<span style="background-color: lightgray; border: 1px solid black;">PN</span>
0 : 1	dCustomConfiguration.09 - Custom Data Element Grouping ID			<span style="background-color: lightgray; border: 1px solid black;">O</span>
0 : 1	eCustomConfiguration			
0 : M	eCustomConfiguration.CustomGroup			
0 : 1	eCustomConfiguration.01 - Custom Data Element Title			<span style="background-color: lightgray; border: 1px solid black;">M</span>
0 : 1	eCustomConfiguration.02 - Custom Definition			<span style="background-color: lightgray; border: 1px solid black;">M</span>
0 : 1	eCustomConfiguration.03 - Custom Data Type			<span style="background-color: lightgray; border: 1px solid black;">M</span>
0 : 1	eCustomConfiguration.04 - Custom Data Element Recurrence			<span style="background-color: lightgray; border: 1px solid black;">M</span>
0 : 1	eCustomConfiguration.05 - Custom Data Element Usage			<span style="background-color: lightgray; border: 1px solid black;">M</span>
0 : M	eCustomConfiguration.06 - Custom Data Element Potential Values			<span style="background-color: lightgray; border: 1px solid black;">O</span>
0 : M	eCustomConfiguration.07 - Custom Data Element Potential NOT Values (NV)			<span style="background-color: lightgray; border: 1px solid black;">O</span>
0 : M	eCustomConfiguration.08 - Custom Data Element Potential Pertinent Negative Values (PN)			<span style="background-color: lightgray; border: 1px solid black;">PN</span>
0 : 1	eCustomConfiguration.09 - Custom Data Element Grouping ID			<span style="background-color: lightgray; border: 1px solid black;">O</span>
0 : 1	dState			
0 : M	dState.01 - State Required Element			<span style="background-color: lightgray; border: 1px solid black;">O</span>
0 : 1	eState			
0 : M	eState.01 - State Required Element			<span style="background-color: lightgray; border: 1px solid black;">O</span>
0 : 1	dConfiguration			
0 : M	dConfiguration.02 - State Certification/Licensure Levels	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; border: 1px solid black;">M</span>
0 : M	dConfiguration.ProcedureGroup			
0 : 1	dConfiguration.06 - EMS Certification Levels Permitted to Perform Each Procedure	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; border: 1px solid black;">M</span>
0 : M	dConfiguration.03 - Procedures Permitted by the State	<span style="background-color: red; color: black;">N</span>	<span style="background-color: yellow; color: black;">S</span>	<span style="background-color: lightgray; border: 1px solid black;">R</span> <span style="background-color: lightgray; border: 1px solid black;">N</span> <span style="background-color: lightgray; border: 1px solid black;">L</span>

0 : M	dConfiguration.MedicationGroup			
0 : 1	dConfiguration.08 - EMS Certification Levels Permitted to Administer Each Medication	N	S	M
0 : M	dConfiguration.04 - Medications Permitted by the State	N	S	R, N, L
0 : M	dConfiguration.05 - Protocols Permitted by the State	N	S	R, N, L
0 : 1	dAgency			
0 : M	dAgencyGroup			
0 : 1	dAgency.01 - EMS Agency Unique State ID	N	S	M
0 : 1	dAgency.02 - EMS Agency Number	N	S	M
0 : 1	dAgency.03 - EMS Agency Name	S	N, L	
0 : 1	dFacility			
0 : M	dFacilityGroup			
0 : 1	dFacility.01 - Type of Facility	O		
0 : M	dFacility.FacilityGroup			
0 : 1	dFacility.02 - Facility Name	O		
0 : 1	dFacility.03 - Facility Location Code	O		
0 : M	dFacility.04 - Hospital Designations	O		
0 : M	dFacility.05 - Facility National Provider Identifier	O		
0 : 1	dFacility.06 - Facility Room, Suite, or Apartment	O		
0 : 1	dFacility.07 - Facility Street Address	O		
0 : 1	dFacility.08 - Facility City	O		
0 : 1	dFacility.09 - Facility State	O		
0 : 1	dFacility.10 - Facility ZIP Code	O		
0 : 1	dFacility.11 - Facility County	O		
0 : 1	dFacility.12 - Facility Country	O		
0 : 1	dFacility.13 - Facility GPS Location	O		
0 : 1	dFacility.14 - Facility US National Grid Coordinates	O		
0 : M	dFacility.15 - Facility Phone Number	O		

## StateDataSet

State

National

## dConfiguration.01 - State Associated with the Certification/Licensure Levels

## Definition

The state associated with the state certification/licensure levels.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	1 : 1

## Constraints

**Pattern**

[0-9]{2}

## Data Element Comment

Associated with the state (dAgency.01 - EMS Agency State).

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)

The state EMS system does not need to import this information into their database. Reference the Demographic Dataset Submission Guide for further details.

# dCustomConfiguration



## Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

## dCustomConfiguration

0 : M	dCustomConfiguration.CustomGroup	
0 : 1	dCustomConfiguration.01 - Custom Data Element Title	M
0 : 1	dCustomConfiguration.02 - Custom Definition	M
0 : 1	dCustomConfiguration.03 - Custom Data Type	M
0 : 1	dCustomConfiguration.04 - Custom Data Element Recurrence	M
0 : 1	dCustomConfiguration.05 - Custom Data Element Usage	M
0 : M	dCustomConfiguration.06 - Custom Data Element Potential Values	O
0 : M	dCustomConfiguration.07 - Custom Data Element Potential NOT Values (NV)	O
0 : M	dCustomConfiguration.08 - Custom Data Element Potential Pertinent Negative Values (PN)	O
0 : 1	dCustomConfiguration.09 - Custom Data Element Grouping ID	O

## dCustomConfiguration

## dCustomConfiguration.01 - Custom Data Element Title

## Definition

This is the title of the custom data element created to collect information that is not defined formally in NEMSIS Version 3.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Attributes

**nemsisElement**

**Data Type:** anySimpleType **whiteSpace:** preserve

## Constraints

Data Type	minLength	maxLength
string	2	100

## Data Element Comment

This is grouped with all data elements in this section and can have multiple instances.

## Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

## dCustomConfiguration.02 - Custom Definition

## Definition

The definition of the custom element and how it should be used.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Constraints

<b>Data Type</b>	<b>minLength</b>	<b>maxLength</b>
string	0	255

## Data Element Comment

## dCustomConfiguration.03 - Custom Data Type

## Definition

The data type of the custom element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Code List

Code	Description
9902001	Binary
9902003	Date/Time
9902005	Integer/Number
9902007	Other
9902009	Text/String
9902011	Boolean

## Data Element Comment

## dCustomConfiguration.04 - Custom Data Element Recurrence

## Definition

Indication if the data element will accept multiple values.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Code List

Code	Description
9923001	No
9923003	Yes

## Data Element Comment

## Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

## dCustomConfiguration.05 - Custom Data Element Usage

## Definition

The Usage (Mandatory, Required, Recommended, or Optional) for the Custom Data Element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Code List

Code	Description
9903001	Mandatory
9903003	Required
9903005	Recommended
9903007	Optional

## Data Element Comment

Mandatory = Must be completed and will not accept null values  
 Required = Must be completed but will accept null values  
 Recommended = Not required but if collected will accept null values  
 Optional = Not required but if collected, it cannot be a null value.

## Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

## dCustomConfiguration.06 - Custom Data Element Potential Values

## Definition

The values which are associated with the Custom Data Element. Values would be the choices provided to the user when they document the Custom Data Element

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

## Attributes

**nemsisCode**

**Data Type:** anySimpleType **whiteSpace:** preserve

**customValueDescription**

**Data Type:** anySimpleType **whiteSpace:** preserve

## Constraints

Data Type	minLength	maxLength
string	1	100

## Data Element Comment

## Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.



## dCustomConfiguration.07 - Custom Data Element Potential NOT Values (NV)

## Definition

NOT Values (NV) associated with the custom element

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

## Code List

Code	Description
7701001	Not Applicable
7701003	Not Recorded
7701005	Not Reporting

## Data Element Comment

## dCustomConfiguration.08 - Custom Data Element Potential Pertinent Negative Values (PN)

## Definition

Pertinent Negative Values (PN) associated with the custom element

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

## Code List

Code	Description
8801001	Contraindication Noted
8801003	Denied By Order
8801005	Exam Finding Not Present
8801007	Medication Allergy
8801009	Medication Already Taken
8801013	No Known Drug Allergy
8801015	None Reported
8801017	Not Performed by EMS
8801019	Refused
8801021	Unresponsive
8801023	Unable to Complete

## Data Element Comment

## dCustomConfiguration.09 - Custom Data Element Grouping ID

## Definition

ID for custom element grouping.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

## Constraints

<b>Data Type</b>	<b>minLength</b>	<b>maxLength</b>
string	0	255

## Data Element Comment

# eCustomConfiguration

## Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

## eCustomConfiguration

0 : M	eCustomConfiguration.CustomGroup	
0 : 1	eCustomConfiguration.01 - Custom Data Element Title	M
0 : 1	eCustomConfiguration.02 - Custom Definition	M
0 : 1	eCustomConfiguration.03 - Custom Data Type	M
0 : 1	eCustomConfiguration.04 - Custom Data Element Recurrence	M
0 : 1	eCustomConfiguration.05 - Custom Data Element Usage	M
0 : M	eCustomConfiguration.06 - Custom Data Element Potential Values	O
0 : M	eCustomConfiguration.07 - Custom Data Element Potential NOT Values (NV)	O
0 : M	eCustomConfiguration.08 - Custom Data Element Potential Pertinent Negative Values (PN)	O
0 : 1	eCustomConfiguration.09 - Custom Data Element Grouping ID	O

## eCustomConfiguration

## eCustomConfiguration.01 - Custom Data Element Title

## Definition

This is the title of the custom data element created to collect information that is not defined formally in NEMSIS Version 3.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Attributes

**nemsisElement**

**Data Type:** anySimpleType **whiteSpace:** preserve

## Constraints

Data Type	minLength	maxLength
string	2	100

## Data Element Comment

This is grouped with all data elements in this section and can have multiple instances.

## Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

## eCustomConfiguration.02 - Custom Definition

## Definition

The definition of the custom element and how it should be used.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Constraints

<b>Data Type</b>	<b>minLength</b>	<b>maxLength</b>
string	0	255

## Data Element Comment



## eCustomConfiguration.03 - Custom Data Type

## Definition

The data type of the custom element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Code List

Code	Description
9902001	Binary
9902003	Date/Time
9902005	Integer/Number
9902007	Other
9902009	Text/String
9902011	Boolean

## Data Element Comment

## eCustomConfiguration.04 - Custom Data Element Recurrence

## Definition

Indication if the data element will accept multiple values.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Code List

Code	Description
9923001	No
9923003	Yes

## Data Element Comment

## Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

## eCustomConfiguration.05 - Custom Data Element Usage

## Definition

The Usage (Mandatory, Required, Recommended or Optional) for the Custom Data Element.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Code List

Code	Description
9903001	Mandatory
9903003	Required
9903005	Recommended
9903007	Optional

## Data Element Comment

Mandatory = Must be completed and will not accept null values  
 Required = Must be completed but will accept null values  
 Recommended = Not required but if collected will accept null values  
 Optional = Not required but if collected, it cannot be a null value.

## Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

## eCustomConfiguration.06 - Custom Data Element Potential Values

## Definition

The values which are associated with the Custom Data Element. Values would be the choices provided to the user when they document the Custom Data Element

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

## Attributes

**nemsisCode**

**Data Type:** anySimpleType **whiteSpace:** preserve

**customValueDescription**

**Data Type:** anySimpleType **whiteSpace:** preserve

## Constraints

Data Type	minLength	maxLength
string	1	100

## Data Element Comment

## Version 3 Changes Implemented

Added to allow customized data elements to be inserted and collected from within the NEMSIS Version 3 standard.

## eCustomConfiguration.07 - Custom Data Element Potential NOT Values (NV)

## Definition

NOT Values (NV) associated with the custom element

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

## Code List

Code	Description
7701001	Not Applicable
7701003	Not Recorded
7701005	Not Reporting

## Data Element Comment

## eCustomConfiguration.08 - Custom Data Element Potential Pertinent Negative Values (PN)

## Definition

Pertinent Negative Values (PN) associated with the custom element

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

## Code List

Code	Description
8801001	Contraindication Noted
8801003	Denied By Order
8801005	Exam Finding Not Present
8801007	Medication Allergy
8801009	Medication Already Taken
8801013	No Known Drug Allergy
8801015	None Reported
8801017	Not Performed by EMS
8801019	Refused
8801021	Unresponsive
8801023	Unable to Complete

## Data Element Comment

## eCustomConfiguration.09 - Custom Data Element Grouping ID

## Definition

ID for custom element grouping.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

## Constraints

<b>Data Type</b>	<b>minLength</b>	<b>maxLength</b>
string	0	255

## Data Element Comment



# dState

Legend

Dataset Level:
N National
S State
D Deprecated

Usage:
M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes:
N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

dState

0 : M

dState.01 - State Required Element

O

dState

## dState.01 - State Required Element

## Definition

Indicates which elements are required by the state.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

## Attributes

**TIMESTAMP**

**Data Type:** String      **minInclusive:** 1950-01-01T00:00:00-00:00      **maxInclusive:** 2050-01-01T00:00:00-00:00

**Pattern**

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

## Constraints

Data Type	minLength	maxLength
string	1	100

## Data Element Comment

This element was created to document elements required by the state. The TIMESTAMP attribute describes the active date of the element.

# eState

Legend

Dataset Level:

N

National

S

State

D

Deprecated

Usage:

M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes:

N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

eState

0 : M

eState.01 - State Required Element

O

eState

## eState.01 - State Required Element

## Definition

Indicates which elements are required by the state

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

## Attributes

**TIMESTAMP**

**Data Type:** String      **minInclusive:** 1950-01-01T00:00:00-00:00      **maxInclusive:** 2050-01-01T00:00:00-00:00

**Pattern**

[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}(\.\d+)?(\+|-)[0-9]{2}:[0-9]{2}

## Constraints

Data Type	minLength	maxLength
string	1	100

## Data Element Comment

This element was created to document elements required by the state. The TIMESTAMP attribute describes the active date of the element.

# dConfiguration

Legend	Dataset Level:	<span>N</span> National	<span>S</span> State	<span>D</span> Deprecated
	Usage:	<span>M</span> = Mandatory , <span>R</span> = Required , <span>E</span> = Recommended, or <span>O</span> = Optional		
	Attributes:	<span>N</span> = Not Values, <span>P</span> = Pertinent Negatives , <span>L</span> = Nillable, and/or <span>C</span> = Correlation ID		

dConfiguration

0 : M	dConfiguration.02 - State Certification/Licensure Levels	N	S	M	
0 : M	dConfiguration.ProcedureGroup				
	0 : 1	dConfiguration.06 - EMS Certification Levels Permitted to Perform Each Procedure	N	S	M
	0 : M	dConfiguration.03 - Procedures Permitted by the State	N	S	R
0 : M	dConfiguration.MedicationGroup				
	0 : 1	dConfiguration.08 - EMS Certification Levels Permitted to Administer Each Medication	N	S	M
	0 : M	dConfiguration.04 - Medications Permitted by the State	N	S	R
0 : M	dConfiguration.05 - Protocols Permitted by the State	N	S	R	N, L

dConfiguration



State

National

## dConfiguration.02 - State Certification/Licensure Levels

## Definition

All of the potential levels of certification/licensure for EMS personnel recognized by the state.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_01	Is Nillable	No
Usage	Mandatory	Recurrence	0 : M

## Code List

Code	Description
9911001	2009 Advanced Emergency Medical Technician (AEMT)
9911003	2009 Emergency Medical Responder (EMR)
9911005	2009 Emergency Medical Technician (EMT)
9911007	2009 Paramedic
9911009	EMT-Basic
9911011	EMT-Intermediate
9911013	EMT-Paramedic
9911015	First Responder
9911019	Other
9911021	Physician
9911023	Critical Care Paramedic
9911025	Community Paramedicine
9911027	Nurse Practitioner
9911029	Physician Assistant
9911031	Licensed Practical Nurse (LPN)
9911033	Registered Nurse

## Data Element Comment

The new 2009 Education Levels have been added. The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

The state EMS system does not need to import this information into their database. Reference the Demographic Dataset Submission Guide for further details.

State

National

## dConfiguration.06 - EMS Certification Levels Permitted to Perform Each Procedure

## Definition

EMS certification levels which are permitted to perform the procedure listed in dConfiguration.07.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_05	Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
9917001	2009 Advanced Emergency Medical Technician (AEMT)
9917003	2009 Emergency Medical Responder (EMR)
9917005	2009 Emergency Medical Technician (EMT)
9917007	2009 Paramedic
9917009	First Responder
9917011	EMT-Basic
9917013	EMT-Intermediate
9917015	EMT-Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917025	Nurse Practitioner
9917027	Physician Assistant
9917029	Licensed Practical Nurse (LPN)
9917031	Registered Nurse

## Data Element Comment

Using each certification level within the agency, indicate the approved procedures allowed utilizing dConfiguration.07 (EMS Agency Procedures).

The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

State

National

## dConfiguration.03 - Procedures Permitted by the State

## Definition

A list of all of the procedures permitted by the EMS Agency's licensing state.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	0 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

Data Type	maxInclusive	minInclusive
integer	1000000000	100000

## Data Element Comment

This data element should capture all of the procedures permitted by the state for any/all levels of EMS personnel in the state. This is associated with the EMS Agency State (dAgency.01). This is related to the EMS Agency's procedures (dConfiguration.07) which have been implemented within the EMS System.

State EMS systems which have regulatory authority to determine the procedures statewide may identify SNOMEDCT procedure codes based on medical direction and their own need.

Code list is represented in SNOMEDCT: Reference the NEMSIS Suggested Lists at: <http://nemsis.org/v3/resources.html>

## SNOMEDCT

Website: [http://www.nlm.nih.gov/research/umls/Snomed/snomed\\_main.html](http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html)

Product: Product - UMLS Metathesaurus

The EMS agency should submit "Not Applicable" and "Nil" to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.

State

National

## dConfiguration.08 - EMS Certification Levels Permitted to Administer Each Medication

## Definition

All EMS certification levels which are permitted to administer the medications listed in dConfiguration.09 (EMS Agency Medications).

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D04_07	Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

Code	Description
9917001	2009 Advanced Emergency Medical Technician (AEMT)
9917003	2009 Emergency Medical Responder (EMR)
9917005	2009 Emergency Medical Technician (EMT)
9917007	2009 Paramedic
9917009	First Responder
9917011	EMT-Basic
9917013	EMT-Intermediate
9917015	EMT-Paramedic
9917019	Physician
9917021	Critical Care Paramedic
9917023	Community Paramedicine
9917025	Nurse Practitioner
9917027	Physician Assistant
9917029	Licensed Practical Nurse (LPN)
9917031	Registered Nurse

## Data Element Comment

Using each certification level within the agency, indicate the approved medications allowed utilizing dConfiguration.09 (EMS Agency Medications).

The category EMT-Intermediate includes EMS professionals with an "85" or "99" certification level.

State

National

## dConfiguration.04 - Medications Permitted by the State

## Definition

A list of all of the medications permitted by the state to be used by each EMS state certification/licensure level.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	0 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Constraints

Data Type	minLength	maxLength
string	2	7

## Data Element Comment

This data element should capture all of the medications permitted by the state for any/all levels of EMS personnel in the state. This should be stored as an RxNorm (RXCUI) Code. This is associated with the EMS Agency State (dAgency.01).

The EMS agency should submit "Not Applicable" and "Nil" to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.

## Version 3 Changes Implemented

State EMS systems which have regulatory authority to identify medications to be administered within the state may identify specific RxNorm codes based on medical direction and their own need.

List of medications based on RxNorm (RXCUI) code.

Reference the NEMSIS Suggested Lists at: <http://nemsis.org/v3/resources.html>

RxNorm

Website - <http://uts.nlm.nih.gov>

Product - UMLS Metathesaurus

Website - <http://www.nlm.nih.gov/research/umls/rxnorm/docs/rxnormfiles.html>

Product - RxNorm Full Monthly Release

State

National

## dConfiguration.05 - Protocols Permitted by the State

## Definition

A list of all of the protocols permitted by the state.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element		Is Nillable	Yes
Usage	Required	Recurrence	0 : M

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable                      7701003 - Not Recorded

## Code List

Code	Description
9914001	Airway
9914003	Airway-Failed
9914005	Airway-Obstruction/Foreign Body
9914007	Airway-Rapid Sequence Induction (RSI-Paralytic)
9914009	Airway-Sedation Assisted (Non-Paralytic)
9914011	Cardiac Arrest-Asystole
9914013	Cardiac Arrest-Hypothermia-Therapeutic
9914015	Cardiac Arrest-Pulseless Electrical Activity
9914017	Cardiac Arrest-Ventricular Fibrillation/ Pulseless Ventricular Tachycardia
9914019	Cardiac Arrest-Post Resuscitation Care
9914021	Environmental-Altitude Sickness
9914023	Environmental-Cold Exposure
9914025	Environmental-Frostbite/Cold Injury
9914027	Environmental-Heat Exposure/Exhaustion
9914029	Environmental-Heat Stroke/Hyperthermia
9914031	Environmental-Hypothermia
9914033	Exposure-Airway/Inhalation Irritants
9914035	Exposure-Biological/Infectious
9914037	Exposure-Blistering Agents
9914041	Exposure-Chemicals to Eye
9914043	Exposure-Cyanide
9914045	Exposure-Explosive/ Blast Injury
9914047	Exposure-Nerve Agents
9914049	Exposure-Radiologic Agents
9914051	General-Back Pain
9914053	General-Behavioral/Patient Restraint
9914055	General-Cardiac Arrest
9914057	General-Dental Problems
9914059	General-Epistaxis
9914061	General-Fever
9914063	General-Individualized Patient Protocol
9914065	General-Indwelling Medical Devices/Equipment
9914067	General-IV Access
9914069	General-Medical Device Malfunction
9914071	General-Pain Control
9914073	General-Spinal Immobilization/Clearance
9914075	General-Universal Patient Care/ Initial Patient Contact
9914077	Injury-Amputation
9914079	Injury-Bites and Envenomations-Land
9914081	Injury-Bites and Envenomations-Marine
9914083	Injury-Bleeding/ Hemorrhage Control
9914085	Injury-Burns-Thermal

9914087 Injury-Cardiac Arrest  
9914089 Injury-Crush Syndrome  
9914091 Injury-Diving Emergencies  
9914093 Injury-Drowning/Near Drowning  
9914095 Injury-Electrical Injuries  
9914097 Injury-Extremity  
9914099 Injury-Eye  
9914101 Injury-Head  
9914103 Injury-Impaled Object  
9914105 Injury-Multisystem  
9914107 Injury-Spinal Cord  
9914109 Medical-Abdominal Pain  
9914111 Medical-Allergic Reaction/Anaphylaxis  
9914113 Medical-Altered Mental Status  
9914115 Medical-Bradycardia  
9914117 Medical-Cardiac Chest Pain  
9914119 Medical-Diarrhea  
9914121 Medical-Hyperglycemia  
9914123 Medical-Hypertension  
9914125 Medical-Hypoglycemia/Diabetic Emergency  
9914127 Medical-Hypotension/Shock (Non-Trauma)  
9914129 Medical-Influenza-Like Illness/ Upper Respiratory Infection  
9914131 Medical-Nausea/Vomiting  
9914133 Medical-Newborn/ Neonatal Resuscitation  
9914135 General-Overdose/Poisoning/Toxic Ingestion  
9914137 Medical-Pulmonary Edema/CHF  
9914139 Medical-Respiratory Distress/Asthma/COPD/Reactive Airway  
9914141 Medical-Seizure  
9914143 Medical-ST-Elevation Myocardial Infarction (STEMI)  
9914145 Medical-Stroke/TIA  
9914147 Medical-Supraventricular Tachycardia (Including Atrial Fibrillation)  
9914149 Medical-Syncope  
9914151 Medical-Ventricular Tachycardia (With Pulse)  
9914153 Not Done  
9914155 OB/GYN-Childbirth/Labor/Delivery  
9914157 OB/GYN-Eclampsia  
9914159 OB/GYN-Gynecologic Emergencies  
9914161 OB/GYN-Pregnancy Related Emergencies  
9914163 OB/GYN-Post-partum Hemorrhage  
9914165 Other  
9914167 Exposure-Carbon Monoxide  
9914169 Cardiac Arrest-Do Not Resuscitate  
9914171 Cardiac Arrest-Special Resuscitation Orders  
9914173 Exposure-Smoke Inhalation  
9914175 General-Community Paramedicine / Mobile Integrated Healthcare  
9914177 General-Exception Protocol  
9914179 General-Extended Care Guidelines  
9914181 General-Interfacility Transfers  
9914183 General-Law Enforcement - Blood for Legal Purposes  
9914185 General-Law Enforcement - Assist with Law Enforcement Activity  
9914187 General-Neglect or Abuse Suspected  
9914189 General-Refusal of Care  
9914191 Injury-Mass/Multiple Casualties  
9914193 Injury-Thoracic  
9914195 Medical-Adrenal Insufficiency  
9914197 Medical-Apparent Life Threatening Event (ALTE)  
9914199 Medical-Tachycardia  
9914201 Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts  
9914203 Injury-Conducted Electrical Weapon (e.g., Taser)  
9914205 Injury-Facial Trauma  
9914207 Injury-General Trauma Management  
9914209 Injury-Lightning/Lightning Strike  
9914211 Injury-SCUBA Injury/Accidents  
9914213 Injury-Topical Chemical Burn  
9914215 Medical-Beta Blocker Poisoning/Overdose  
9914217 Medical-Calcium Channel Blocker Poisoning/Overdose  
9914219 Medical-Opioid Poisoning/Overdose  
9914221 Medical-Respiratory Distress-Bronchiolitis  
9914223 Medical-Respiratory Distress-Croup

#### Data Element Comment

This data element should capture all of the protocols permitted by the state for any/all levels of EMS personnel in the state. This is associated with the EMS Agency State (dAgency.01).

States can add additional protocols to the list but the additional state protocols must map to these uniform codes.

The list is defined by the NASEMSO State Medical Directors.

The EMS agency should submit "Not Applicable" and "Nil" to the state system for the demographic export. The state EMS system does not need to import this information into their database. It is the responsibility of the state to submit this element to the national EMS database (NEMSIS). Reference the Demographic Dataset Submission Guide for further details.

#### Version 3 Changes Implemented

Added to better identify states with statewide protocols and define state EMS capability and care.



# dAgency

Legend	Dataset Level:	<span>N</span> National	<span>S</span> State	<span>D</span> Deprecated
	Usage:	<span>M</span> = Mandatory , <span>R</span> = Required , <span>E</span> = Recommended, or <span>O</span> = Optional		
	Attributes:	<span>N</span> = Not Values, <span>P</span> = Pertinent Negatives , <span>L</span> = Nillable, and/or <span>C</span> = Correlation ID		

dAgency				
0 : M	dAgencyGroup			
0 : 1	dAgency.01 - EMS Agency Unique State ID	<span>N</span>	<span>S</span>	<span>M</span>
0 : 1	dAgency.02 - EMS Agency Number	<span>N</span>	<span>S</span>	<span>M</span>
0 : 1	dAgency.03 - EMS Agency Name	<span>S</span>	<span>E</span>	<span>N, L</span>
dAgency				

State

National

## dAgency.01 - EMS Agency Unique State ID

## Definition

The unique ID assigned to the EMS Agency which is associated with all state licensure numbers and information.

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

Data Type	minLength	maxLength
string	1	50

## Data Element Comment

This may be the EMS Agency Name or a unique number assigned by the state EMS office. This is required to document multiple license types and numbers associated with the same EMS Agency.

State

National

## dAgency.02 - EMS Agency Number

## Definition

The state-assigned provider number of the responding agency

National Element	Yes	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	No
Version 2 Element	D01_01	Is Nillable	No
Usage	Mandatory	Recurrence	0 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

Data Type	minLength	maxLength
string	1	15

## Data Element Comment

This is the primary identifier for the entire Demographic Section. Each of the Demographic sections must be associated with an EMS Agency Number. An EMS Agency can have more than one Agency Number within a state. This reflects the ability for an EMS Agency to have a different number for each service type or location (based on state implementation). The EMS Agency Number in dAgency.02 can be used to auto-populate eResponse.01 EMS Agency Number in the EMS Event section.

## dAgency.03 - EMS Agency Name

## Definition

The formal name of the agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	Yes	NOT Values	Yes
Version 2 Element	D01_02	Is Nillable	Yes
Usage	Recommended	Recurrence	0 : 1

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

7701005 - Not Reporting

## Constraints

Data Type	minLength	maxLength
string	2	100

## Data Element Comment

# dFacility

## Legend

Dataset Level: N National S State D Deprecated

Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional

Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

## dFacility

0 : M	dFacilityGroup	
0 : 1	dFacility.01 - Type of Facility	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : M	dFacility.FacilityGroup	
0 : 1	dFacility.02 - Facility Name	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : 1	dFacility.03 - Facility Location Code	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : M	dFacility.04 - Hospital Designations	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : M	dFacility.05 - Facility National Provider Identifier	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : 1	dFacility.06 - Facility Room, Suite, or Apartment	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : 1	dFacility.07 - Facility Street Address	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : 1	dFacility.08 - Facility City	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : 1	dFacility.09 - Facility State	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : 1	dFacility.10 - Facility ZIP Code	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : 1	dFacility.11 - Facility County	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : 1	dFacility.12 - Facility Country	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : 1	dFacility.13 - Facility GPS Location	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : 1	dFacility.14 - Facility US National Grid Coordinates	<span style="border: 1px solid black; padding: 0 2px;">O</span>
0 : M	dFacility.15 - Facility Phone Number	<span style="border: 1px solid black; padding: 0 2px;">O</span> <span style="border: 1px solid black; padding: 0 2px;">C</span>

## dFacility

## dFacility.01 - Type of Facility

## Definition

The type of facility (healthcare or other) that the EMS agency transports patients to or from.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D04_15	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

## Code List

Code	Description
1701001	Assisted Living Facility
1701003	Clinic
1701005	Hospital
1701007	Nursing Home
1701009	Other
1701011	Urgent Care
1701013	Rehabilitation Facility
1701015	Mental Health Facility
1701017	Dialysis Center

## Data Element Comment



## dFacility.02 - Facility Name

## Definition

The name of the facility.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D04_11	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

## Constraints

Data Type	minLength	maxLength
string	2	100

## Data Element Comment

**dFacility.03 - Facility Location Code****Definition**

The code of the facility as assigned by the state or the EMS agency.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element	D04_12	Is Nillable	No
Usage	Optional	Recurrence	0 : 1

**Constraints**

Data Type	minLength	maxLength
string	2	50

**Data Element Comment**

The information contained within this element could be used to populate eScene.10 (Incident Facility Code) or eDisposition.02 (Destination/Transferred To, Code) via a drop down list created at either the EMS Agency or State level.

## dFacility.04 - Hospital Designations

## Definition

The designation(s) associated with the hospital (e.g. Trauma, STEMI, Peds, etc)

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

## Code List

Code	Description
9908001	Behavioral Health
9908003	Burn Center
9908005	Critical Access Hospital
9908007	Hospital (General)
9908009	Neonatal Center
9908011	Pediatric Center
9908017	Stroke Center
9908019	Rehab Center
9908021	Trauma Center Level 1
9908023	Trauma Center Level 2
9908025	Trauma Center Level 3
9908027	Trauma Center Level 4
9908029	Trauma Center Level 5
9908031	Cardiac-STEMI/PCI Capable
9908033	Cardiac-STEMI/PCI Capable (24/7)
9908035	Cardiac-STEMI/Non-PCI Capable

## Data Element Comment

## dFacility.05 - Facility National Provider Identifier

## Definition

The facility National Provider Identifier associated with National Provider System (NPS).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

## Constraints

<b>Data Type</b>	<b>length</b>
string	10

## Data Element Comment

**dFacility.06 - Facility Room, Suite, or Apartment****Definition**

The number of the specific room, suite, or apartment of the facility.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

**Constraints**

<b>Data Type</b>	<b>minLength</b>	<b>maxLength</b>
string	1	15

**Data Element Comment**

## dFacility.07 - Facility Street Address

## Definition

The address where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

## Attributes

**StreetAddress2****Data Type:** string**minLength:** 1**maxLength:** 255

## Constraints

Data Type	minLength	maxLength
string	1	255

## Data Element Comment

The information contained within this element could be used to populate the address information within eScene.18 (Incident State) and/or eDisposition.03 (Destination Street Address) as appropriate.

**dFacility.08 - Facility City****Definition**

The city where the facility is located (physical address).

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

**Data Element Comment**

The information contained within this element could be used to populate the address information within eScene.17 (Incident City) and/or eDisposition.04 (Destination City) as appropriate.

City codes are based on GNIS Feature Class. The primary Feature Class to use is "Civil" with "Populated Place" and "Military" code as additional options.

Definitions for each GNIS City Feature Class can be found on the GNIS Codes website.

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)

**dFacility.09 - Facility State****Definition**

The state where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

**Constraints****Pattern**

[0-9]{2}

**Data Element Comment**

Based on the ANSI Code. The information contained within this element could be used to populate the address information within eScene.18 (Incident State) and/or eDisposition.05 (Destination State) as appropriate.

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)



## dFacility.10 - Facility ZIP Code

## Definition

The zip code where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

## Constraints

**Pattern**

[0-9]{5}||[0-9]{5}-[0-9]{4}||[0-9]{5}-[0-9]{5}||[A-Z][0-9][A-Z] [0-9][A-Z][0-9]

## Data Element Comment

The information contained within this element could be used to populate the address information within eScene.19 (Incident ZIP Code) and/or eDisposition.07 (Destination ZIP Code) as appropriate.

ZIP Codes Product Website: <https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/>  
Product: USA - 5-digit ZIP Code Database, Commercial Edition

## dFacility.11 - Facility County

## Definition

The county where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

## Constraints

**Pattern**

[0-9]{5}

## Data Element Comment

Based on the ANSI Code. The information contained within this element could be used to populate the address information within eScene.21 (Incident County) and/or eDisposition.06 (Destination County) as appropriate.

GNIS Codes Website: [http://geonames.usgs.gov/domestic/download\\_data.htm](http://geonames.usgs.gov/domestic/download_data.htm)

## dFacility.12 - Facility Country

## Definition

The country where the facility is located.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

## Code List

Code	Description
CA	Canada
MX	Mexico
US	United States

## Data Element Comment

Based on the ANSI Code. The information contained within this element could be used to populate the address information within eScene.22 (Incident Country) and/or eDisposition.08 (Destination Country) as appropriate.

ANSI Country Codes (ISO 3166) Website: [http://www.iso.org/iso/country\\_codes/iso\\_3166\\_code\\_lists.htm](http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm)

## dFacility.13 - Facility GPS Location

## Definition

The facility GPS Coordinates.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

## Constraints

**Pattern**

(\+|-)?(90\.[0]{1,6})?|[0-9]{1,6}(\.[0-9]{1,6})?(\+|-)?(180\.[0]{1,6})?|[0-9]{1,6}(\.[0-9]{1,6})?

## Data Element Comment

The information contained within this element could be used to populate the address information within eScene.10 (Scene GPS Location) and/or eDisposition.09 (Destination GPS Location) as appropriate.

The pattern for GPS location is in the format "*latitude,longitude*" where:

- *latitude* has a minimum of -90 and a maximum of 90 with up to 6 decimal places
- *longitude* has a minimum of -180 and a maximum of 180 with up to 6 decimal places

## dFacility.14 - Facility US National Grid Coordinates

## Definition

## Facility US National Grid Coordinates

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : 1

## Constraints

## Pattern

[1][0-9][RSTU][ABCDEFGHJKLMNPQRSTUVWXYZ][ABCDEFGHJKLMNPQRSTUV][0-9]{8}

## Data Element Comment

Standard found at [www.fgdc.gov/usng](http://www.fgdc.gov/usng). The information contained within this element could be used to populate the address information within eScene.11 (Scene US National Grid Coordinates) and/or eDisposition.10 (Disposition Location US National Grid Coordinates) as appropriate.

## dFacility.15 - Facility Phone Number

## Definition

Facility phone number.

National Element	No	Pertinent Negatives (PN)	No
State Element	No	NOT Values	No
Version 2 Element		Is Nillable	No
Usage	Optional	Recurrence	0 : M

## Attributes

**CorrelationID**

**Data Type:** string

**minLength:** 0

**maxLength:** 255

**PhoneNumberType**

9913001 - Fax

9913003 - Home

9913005 - Mobile

9913007 - Pager

9913009 - Work

## Constraints

**Pattern**

[2-9][0-9][0-9]-[2-9][0-9][0-9]-[0-9][0-9][0-9][0-9]

## Data Element Comment

This element contains an attribute to define what type of phone number is being documented (e.g., Fax, Home, Mobile, Pager, and Work).

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