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# **NEMSIS**

## **Data Dictionary**

**NHTSA v3.3.4**  
**Build 160713 Critical Patch 2**

# **CAD Data Standard**

**Version Date: July 13, 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 3.3.4

## NEMSIS Overview and Summary

This data dictionary represents 24 months of effort collaborating with the EMS industry through web-based reviews, public comment periods, focus groups, industry dialogue, topic focused projects, and consensus. The National EMS Information System Version 3 represents a revision from the existing version 2.1.1 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, prepare for our initial movement of this standard into Health Level 7 (HL7) for approval as an American National Standards Institute (ANSI) standard. At the time of this initial publication, NEMSIS Version 3 has passed several ballots within HL7 in an effort to be recognized as a federal healthcare information standard. Final HL7 adoption of NEMSIS Version 3 is expected in 2012. HL7 will be the permanent home for the NEMSIS standard once fully adopted and future revisions will occur through the HL7 process.

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

| NEMSIS NHTSA Uniform PreHospital Dataset                   | Version 2.2.1    | Version 3.3.4    | Version 3.4.0 |
|--|------------------|------------------|---------------|
| <b>Demographic (Agency) NEMSIS Version 3 Data Elements</b> | <b>110 (26%)</b> | <b>155 (27%)</b> | <b>157</b>    |
| Existing (version 2.2.1)                                   | 88 (80%)         | 87 (56%)         | 87 (55.5%)    |
| New  |                  | 68 (44%)         | 70 (44.5%)    |
| Retired  | 22 (20%)         |                  |               |
| <b>EMS (ePCR) NEMSIS Version 3 Data Elements</b>           | <b>315 (74%)</b> | <b>423 (73%)</b> | <b>428</b>    |
| Existing (version 2.2.1)                                   | 258 (82%)        | 260 (61%)        | 258 (60%)     |
| New  |                  | 165 (39%)        | 170 (40%)     |
| Retired  | 57 (18%)         |                  | 2             |
| <b>Overall Total NEMSIS Version 3 Data Elements</b>        | <b>425</b>       | <b>578</b>       | <b>585</b>    |
| Existing (version 2.2.1)                                   | 346 (81%)        | 347 (60%)        | 345 (59%)     |
| New  |                  | 232 (40%)        | 240 (41%)     |
| Retired  | 79 (19%)         |                  | 2             |

### NEMSIS Version 3 Element Configuration

Total Elements including the Custom Elements: 574

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

|                                      |            |                                      |            |                                      |            |
|--------------------------------------|------------|--------------------------------------|------------|--------------------------------------|------------|
| <b>Total National Elements</b>       | <b>165</b> | <b>Total State Elements</b>          | <b>104</b> | <b>Total "Other" Element</b>         | <b>316</b> |
| Mandatory                            | 37         | Recommended                          | 83         | Excluding the custom elements        | 292        |
| Required                             | 128        | Optional                             | 21         | <b>Demographic (Agency) Elements</b> | <b>90</b>  |
| <b>Demographic (Agency) Elements</b> | <b>35</b>  | <b>Demographic (Agency) Elements</b> | <b>32</b>  | Excluding the custom elements        | 78         |
| Mandatory                            | 22         | Recommended                          | 32         | <b>EMS (ePCR) Elements</b>           | <b>226</b> |
| Required                             | 13         | Optional                             | 0          | Excluding the custom elements        | 214        |
| <b>EMS (ePCR) Elements</b>           | <b>130</b> | <b>EMS (ePCR) Elements</b>           | <b>72</b>  |                                      |            |
| Mandatory                            | 15         | Recommended                          | 51         |                                      |            |
| Required                             | 115        | Optional                             | 21         |                                      |            |

### NEMSIS Version 3.3.4 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 3.3.4, 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 Null.*)

- 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.

## **NEMSIS Version 3.3.4 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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|  |     |
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# CADDDataSet

|        |                |   |  |
|--------|----------------|---|--|
| Legend | Dataset Level: | <span style="background-color: red; color: black;">N</span> National  | <span style="background-color: yellow; color: black;">S</span> State |
|        | Usage:         | <span style="background-color: lightgray; border: 1px solid black;"> </span> M = Mandatory , R = Required , E = Recommended, or O = Optional                |  |
|        | Attributes:    | <span style="background-color: yellow; border: 1px solid black;"> </span> N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID |  |

| CADDDataSet |                      |
|-------------|----------------------|
| 0 : 1       | eCustomConfiguration |
| 1 : 1       | eCAD                 |
| 0 : 1       | eCustomResults       |
| CADDDataSet |                      |

# eCustomConfiguration

|        |   |   |  |
|--------|---|---|--|
| Legend | Dataset Level: <span style="color: red;">N</span> National  | <span style="color: orange;">S</span> State | <span style="color: purple;">D</span> Deprecated |
|        | Usage: <span style="border: 1px solid black; padding: 0 2px;"> </span> M = Mandatory , R = Required , E = Recommended, or O = Optional                        |   |  |
|        | Attributes: <span style="border: 1px solid black; padding: 0 2px;"> </span> N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID |   |  |

eCustomConfiguration

|       |  |   |
|-------|--|---|
| 0 : M | eCustomConfiguration.CustomGroup   |   |
| 1 : 1 | eCustomConfiguration.01 - Custom Data Element Title                                    | M |
| 1 : 1 | eCustomConfiguration.02 - Custom Definition  | M |
| 1 : 1 | eCustomConfiguration.03 - Custom Data Type   | M |
| 1 : 1 | eCustomConfiguration.04 - Custom Data Element Recurrence                               | M |
| 1 : 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 |

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               | 1 : 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               | 1 : 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               | 1 : 1 |

## Code List

| Code    | Description        |
|---------|--------------------|
| 9902001 | Binary             |
| 9902003 | Date/Time          |
| 9902005 | Integer/Number     |
| 9902007 | Other (Not Listed) |
| 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               | 1 : 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               | 1 : 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

# eCAD

## 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

## eCAD

|       |   |  |
|-------|---|--|
| 0 : 1 | eCad.01 - (dAgency.01) EMS Agency Unique State ID                                   | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.02 - (dAgency.02) EMS Agency Number  | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.03 - (dAgency.03) EMS Agency Name  | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.04 - (dAgency.04) EMS Agency State   | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : M | eCad.05 - (dConfiguration.17) Dispatch Center (CAD) Name or ID                      | <span style="border: 1px solid black; padding: 0 2px;">O</span> <span style="border: 1px solid black; padding: 0 2px;">C</span>  |
| 0 : 1 | eCad.06 - (eRecord.01) Patient Care Report Number                                   | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 1 : 1 | eCad.AgencyGroup  |  |
| 1 : 1 | 1 : 1 eCad.07 - (eResponse.01) EMS Agency Number                                    | <span style="border: 1px solid black; padding: 0 2px;">N</span> <span style="border: 1px solid black; padding: 0 2px;">S</span> <span style="border: 1px solid black; padding: 0 2px;">M</span>  |
| 0 : 1 | eCad.08 - (eResponse.02) EMS Agency Name  | <span style="border: 1px solid black; padding: 0 2px;">S</span> <span style="border: 1px solid black; padding: 0 2px;">E</span>  |
| 1 : 1 | eCad.09 - (eResponse.03) Incident Number  | <span style="border: 1px solid black; padding: 0 2px;">N</span> <span style="border: 1px solid black; padding: 0 2px;">S</span> <span style="border: 1px solid black; padding: 0 2px;">R</span> <span style="border: 1px solid black; padding: 0 2px;">N, L</span> |
| 0 : 1 | eCad.10 - (eResponse.04) EMS Response Number  | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.ServiceGroup   |  |
| 0 : 1 | 0 : 1 eCad.11 - (eResponse.05) Type of Service Requested                            | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | 0 : 1 eCad.12 - (eResponse.06) Standby Purpose                                      | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.13 - (eResponse.07) Primary Role of the Unit                                   | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : M | eCad.14 - (eResponse.08) Type of Dispatch Delay                                     | <span style="border: 1px solid black; padding: 0 2px;">O</span> <span style="border: 1px solid black; padding: 0 2px;">C</span>  |
| 0 : M | eCad.15 - (eResponse.09) Type of Response Delay                                     | <span style="border: 1px solid black; padding: 0 2px;">O</span> <span style="border: 1px solid black; padding: 0 2px;">C</span>  |
| 0 : M | eCad.16 - (eResponse.10) Type of Scene Delay  | <span style="border: 1px solid black; padding: 0 2px;">O</span> <span style="border: 1px solid black; padding: 0 2px;">C</span>  |
| 0 : M | eCad.17 - (eResponse.11) Type of Transport Delay                                    | <span style="border: 1px solid black; padding: 0 2px;">O</span> <span style="border: 1px solid black; padding: 0 2px;">C</span>  |
| 0 : M | eCad.18 - (eResponse.12) Type of Turn-Around Delay                                  | <span style="border: 1px solid black; padding: 0 2px;">O</span> <span style="border: 1px solid black; padding: 0 2px;">C</span>  |
| 0 : 1 | eCad.19 - (eResponse.13) EMS Vehicle (Unit) Number                                  | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.20 - (eResponse.14) EMS Unit Call Sign   | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.21 - (eResponse.15) Level of Care of This Unit                                 | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.22 - (eResponse.16) Vehicle Dispatch Location                                  | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.23 - (eResponse.17) Vehicle Dispatch GPS Location                              | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.24 - (eResponse.18) Vehicle Dispatch US National Grid Location                 | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.25 - (eResponse.19) Beginning Odometer Reading of Responding Vehicle           | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.26 - (eResponse.20) On-Scene Odometer Reading of Responding Vehicle            | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.27 - (eResponse.21) Patient Destination Odometer Reading of Responding Vehicle | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.28 - (eResponse.22) Ending Odometer Reading of Responding Vehicle              | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : 1 | eCad.29 - (eResponse.23) Response Mode to Scene                                     | <span style="border: 1px solid black; padding: 0 2px;">O</span>  |
| 0 : M | eCad.30 - (eResponse.24) Additional Response Mode Descriptors                       | <span style="border: 1px solid black; padding: 0 2px;">O</span> <span style="border: 1px solid black; padding: 0 2px;">C</span>  |

|       |  |   |   |   |
|-------|--|---|---|---|
| 1 : 1 | eCad.31 - (eDispatch.01) Complaint Reported by Dispatch              | N | S | M |
| 0 : 1 | eCad.32 - (eDispatch.02) EMD Performed                               | O |   |   |
| 0 : 1 | eCad.33 - (eDispatch.03) EMD Card Number                             | O |   |   |
| 0 : 1 | eCad.34 - (eDispatch.04) Dispatch Center Name or ID                  | O |   |   |
| 0 : 1 | eCad.35 - (eDispatch.05) Dispatch Priority (Patient Acuity)          | O |   |   |
| 0 : 1 | eCad.36 - (eTimes.01) PSAP Call Date/Time                            | O |   |   |
| 0 : 1 | eCad.37 - (eTimes.02) Dispatch Notified Date/Time                    | O |   |   |
| 1 : 1 | eCad.38 - (eTimes.03) Unit Notified by Dispatch Date/Time            | N | S | M |
| 0 : 1 | eCad.39 - (eTimes.04) Dispatch Acknowledged Date/Time                | O |   |   |
| 0 : 1 | eCad.40 - (eTimes.05) Unit En Route Date/Time                        | O |   |   |
| 0 : 1 | eCad.41 - (eTimes.06) Unit Arrived on Scene Date/Time                | O |   |   |
| 0 : 1 | eCad.42 - (eTimes.07) Arrived at Patient Date/Time                   | O |   |   |
| 0 : 1 | eCad.43 - (eTimes.08) Transfer of EMS Patient Care Date/Time         | O |   |   |
| 0 : 1 | eCad.44 - (eTimes.09) Unit Left Scene Date/Time                      | O |   |   |
| 0 : 1 | eCad.45 - (eTimes.10) Arrival at Destination Landing Area Date/Time  | O |   |   |
| 0 : 1 | eCad.46 - (eTimes.11) Patient Arrived at Destination Date/Time       | O |   |   |
| 0 : 1 | eCad.47 - (eTimes.12) Destination Patient Transfer of Care Date/Time | O |   |   |
| 0 : 1 | eCad.48 - (eTimes.13) Unit Back in Service Date/Time                 | O |   |   |
| 0 : 1 | eCad.49 - (eTimes.14) Unit Canceled Date/Time                        | O |   |   |
| 0 : 1 | eCad.50 - (eTimes.15) Unit Back at Home Location Date/Time           | O |   |   |
| 0 : 1 | eCad.51 - (eTimes.16) EMS Call Completed Date/Time                   | O |   |   |
| 0 : 1 | eCad.52 - (ePatient.01) EMS Patient ID                               | O |   |   |
| 0 : 1 | eCad.PatientNameGroup  |   |   |   |
| 0 : 1 | eCad.53 - (ePatient.02) Last Name                                    | O |   |   |
| 0 : 1 | eCad.54 - (ePatient.03) First Name                                   | O |   |   |
| 0 : 1 | eCad.55 - (ePatient.04) Middle Initial/Name                          | O |   |   |
| 0 : 1 | eCad.56 - (ePatient.05) Patient's Home Address                       | O |   |   |
| 0 : 1 | eCad.57 - (ePatient.06) Patient's Home City                          | O |   |   |
| 0 : 1 | eCad.58 - (ePatient.07) Patient's Home County                        | O |   |   |
| 0 : 1 | eCad.59 - (ePatient.08) Patient's Home State                         | O |   |   |
| 0 : 1 | eCad.60 - (ePatient.09) Patient's Home ZIP Code                      | O |   |   |
| 0 : 1 | eCad.61 - (ePatient.10) Patient's Home Country                       | O |   |   |
| 0 : 1 | eCad.62 - (ePatient.11) Patient Home Census Tract                    | O |   |   |
| 0 : 1 | eCad.63 - (ePatient.12) Social Security Number                       | O |   |   |
| 0 : 1 | eCad.64 - (ePatient.13) Gender                                       | O |   |   |
| 0 : M | eCad.65 - (ePatient.14) Race   | O | C |   |

|       |  |   |
|-------|--|---|
| 0 : 1 | eCad.AgeGroup  |   |
| 0 : 1 | eCad.66 - (ePatient.15) Age  | <input type="radio"/>                                     |
| 0 : 1 | eCad.67 - (ePatient.16) Age Units                                  | <input type="radio"/>                                     |
| 0 : 1 | eCad.68 - (ePatient.17) Date of Birth                              | <input type="radio"/>                                     |
| 0 : M | eCad.69 - (ePatient.18) Patient's Phone Number                     | <input type="radio"/> <input checked="" type="checkbox"/> |
| 0 : 1 | eCad.70 - (eScene.01) First EMS Unit on Scene                      | <input type="radio"/>                                     |
| 0 : M | eCad.ResponderGroup  | <input checked="" type="checkbox"/>                       |
| 0 : 1 | eCad.71 - (eScene.02) Other EMS or Public Safety Agencies at Scene | <input type="radio"/>                                     |
| 0 : 1 | eCad.72 - (eScene.03) Other EMS or Public Safety Agency ID Number  | <input type="radio"/>                                     |
| 0 : 1 | eCad.73 - (eScene.04) Type of Other Service at Scene               | <input type="radio"/>                                     |
| 0 : 1 | eCad.74 - (eScene.05) Date/Time Initial Responder Arrived on Scene | <input type="radio"/>                                     |
| 0 : 1 | eCad.75 - (eScene.06) Number of Patients at Scene                  | <input type="radio"/>                                     |
| 0 : 1 | eCad.76 - (eScene.07) Mass Casualty Incident                       | <input type="radio"/>                                     |
| 0 : 1 | eCad.77 - (eScene.08) Triage Classification for MCI Patient        | <input type="radio"/>                                     |
| 0 : 1 | eCad.78 - (eScene.09) Incident Location Type                       | <input type="radio"/>                                     |
| 0 : 1 | eCad.79 - (eScene.10) Incident Facility Code                       | <input type="radio"/>                                     |
| 0 : 1 | eCad.80 - (eScene.11) Scene GPS Location                           | <input type="radio"/>                                     |
| 0 : 1 | eCad.81 - (eScene.12) Scene US National Grid Coordinates           | <input type="radio"/>                                     |
| 0 : 1 | eCad.82 - (eScene.13) Incident Facility or Location Name           | <input type="radio"/>                                     |
| 0 : 1 | eCad.83 - (eScene.14) Mile Post or Major Roadway                   | <input type="radio"/>                                     |
| 0 : 1 | eCad.84 - (eScene.15) Incident Street Address                      | <input type="radio"/>                                     |
| 0 : 1 | eCad.85 - (eScene.16) Incident Apartment, Suite, or Room           | <input type="radio"/>                                     |
| 0 : 1 | eCad.86 - (eScene.17) Incident City                                | <input type="radio"/>                                     |
| 0 : 1 | eCad.87 - (eScene.18) Incident State                               | <input type="radio"/>                                     |
| 0 : 1 | eCad.88 - (eScene.19) Incident ZIP Code                            | <input type="radio"/>                                     |
| 0 : 1 | eCad.89 - (eScene.20) Scene Cross Street or Directions             | <input type="radio"/>                                     |
| 0 : 1 | eCad.90 - (eScene.21) Incident County                              | <input type="radio"/>                                     |
| 0 : 1 | eCad.91 - (eScene.22) Incident Country                             | <input type="radio"/>                                     |
| 0 : 1 | eCad.92 - (eScene.23) Incident Census Tract                        | <input type="radio"/>                                     |
| 0 : 1 | eCad.DestinationGroup  |   |
| 0 : 1 | eCad.93 - (eDisposition.01) Destination/Transferred To, Name       | <input type="radio"/>                                     |
| 0 : 1 | eCad.94 - (eDisposition.02) Destination/Transferred To, Code       | <input type="radio"/>                                     |
| 0 : 1 | eCad.95 - (eDisposition.03) Destination Street Address             | <input type="radio"/>                                     |
| 0 : 1 | eCad.96 - (eDisposition.04) Destination City                       | <input type="radio"/>                                     |
| 0 : 1 | eCad.97 - (eDisposition.05) Destination State                      | <input type="radio"/>                                     |
| 0 : 1 | eCad.98 - (eDisposition.06) Destination County                     | <input type="radio"/>                                     |

|       |  |     |
|-------|--|-----|
| 0 : 1 | eCad.99 - (eDisposition.07) Destination ZIP Code                               | O   |
| 0 : 1 | eCad.100 - (eDisposition.08) Destination Country                               | O   |
| 0 : 1 | eCad.101 - (eDisposition.09) Destination GPS Location                          | O   |
| 0 : 1 | eCad.102 - (eDisposition.10) Disposition Location US National Grid Coordinates | O   |
| 0 : 1 | eCad.103 - (eDisposition.11) Number of Patients Transported in this EMS Unit   | O   |
| 0 : 1 | eCad.104 - (eDisposition.16) EMS Transport Method                              | O   |
| 0 : 1 | eCad.105 - (eDisposition.17) Transport Mode from Scene                         | O   |
| 0 : M | eCad.106 - (eDisposition.18) Additional Transport Mode Descriptors             | O C |
| 0 : 1 | eCad.107 - (eDisposition.21) Type of Destination                               | O   |
| 0 : M | eCad.HospitalTeamActivationGroup   | C   |
| 0 : 1 | eCad.108 - (eDisposition.24) Destination Team Pre-Arrival Activation           | O   |
| 0 : 1 | eCad.109 - (eDisposition.25) Date/Time of Destination Prearrival Activation    | O   |

## eCAD

## eCad.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  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element |          | Is Nillable              | No    |
| Usage             | Optional | 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.



## eCad.02 - EMS Agency Number

## Definition

The state-assigned provider number of the responding agency

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | D01_01   | Is Nillable              | No    |
| Usage             | Optional | 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).

## eCad.03 - EMS Agency Name

## Definition

The formal name of the agency.

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

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

|                  |                  |                  |
|------------------|------------------|------------------|
| <b>Data Type</b> | <b>minLength</b> | <b>maxLength</b> |
| string           | 2                | 100              |

## Data Element Comment

## eCad.04 - EMS Agency State

## Definition

The state/territory which assigned the EMS agency number.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | D01_03   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

|                  |               |
|------------------|---------------|
| <b>Data Type</b> | <b>length</b> |
| string           | 2             |

## Data Element Comment

This has been clarified to reflect that it is the state in which the EMS Agency resides and the state associated with the EMS Agency number.

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

**eCad.05 - Dispatch Center (CAD) Name or ID****Definition**

The name or ID of the dispatch center providing electronic data to the PCR for the EMS agency, if applicable.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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

**Constraints**

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 2         | 100       |

**Data Element Comment**

This element can be used to identify the dispatch center (Primary or Secondary Service Answering Point - PSAP) that dispatches the EMS agency. If the EMS agency is able to populate the Patient Care Report (PCR) with CAD specific details (times, incident address information, crew information, EMD, etc) the name or ID of the dispatch center should be documented. Information in dConfiguration.17 may be used to populate eDispatch.04 - Computer Aided Dispatch (CAD) Name or ID if a CAD integration exists.

**Version 3 Changes Implemented**

Added to the dataset to assist in identifying the CAD / dispatch center providing information to the EMS agency and ePCR when there are multiple dispatch centers sending resources to the same EMS incident.

## eCad.06 - Patient Care Report Number

## Definition

The unique number automatically assigned by the EMS agency for each Patient Care Report (PCR). This should be a unique number for the EMS agency for all of time.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E01_01   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 3         | 32        |

## Data Element Comment

State

National

**eCad.07 - 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 | E02_01    | Is Nillable              | No    |
| Usage             | Mandatory | Recurrence               | 1 : 1 |

**Associated Performance Measure Initiatives**

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

**Constraints**

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 1         | 15        |

**Data Element Comment**

The EMS Agency Number in eResponse.01 can auto-populate from dAgency.02 EMS Agency Number in the demographic section.

## eCad.08 - EMS Agency Name

## Definition

EMS Agency Name

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

## Constraints

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 2         | 100       |

## Data Element Comment

Added to better identify the EMS Agency associated with the EMS event.



State

National

## eCad.09 - Incident Number

## Definition

The incident number assigned by the 911 Dispatch System

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | Yes      | Pertinent Negatives (PN) | No    |
| State Element     | Yes      | NOT Values               | Yes   |
| Version 2 Element | E02_02   | Is Nillable              | Yes   |
| Usage             | Required | Recurrence               | 1 : 1 |

## Attributes

**NOT Values (NV)**

7701001 - Not Applicable

7701003 - Not Recorded

## Constraints

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 3         | 32        |

## Data Element Comment

This number can be used to associate multiple EMS responses, dispatch information, and other information to the same EMS event or patient.

**eCad.10 - EMS Response Number****Definition**

The internal EMS response number which is unique for each EMS Vehicle's (Unit) response to an incident within an EMS Agency.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_03   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Constraints**

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 3         | 32        |

**Data Element Comment**

## eCad.11 - Type of Service Requested

## Definition

The type of service or category of service requested of the EMS Agency responding for this specific EMS event

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_04   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

| Code    | Description                        |
|---------|------------------------------------|
| 2205001 | 911 Response (Scene)               |
| 2205003 | Intercept                          |
| 2205005 | Interfacility Transport            |
| 2205007 | Medical Transport                  |
| 2205009 | Mutual Aid                         |
| 2205011 | Public Assistance/Other Not Listed |
| 2205013 | Standby                            |

## Data Element Comment

?Interfacility Transfer? has been changed to ?Interfacility Transport. ?Public Assistance/Other Not Listed? added for EMS expanded scope events such as elderly assistance, injury prevention, public education, immunization programs, etc.

## eCad.12 - Standby Purpose

## Definition

The main reason the EMS Unit is on Standby as the Primary Type of Service for the EMS event.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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                                |
|---------|--|
| 2206001 | Disaster Event-Drill/Exercise              |
| 2206003 | Disaster Event-Live Staging                |
| 2206005 | Education                                  |
| 2206007 | EMS Staging-Improve Coverage               |
| 2206009 | Fire Support-Rehab                         |
| 2206011 | Fire Support-Standby                       |
| 2206013 | Mass Gathering-Concert/Entertainment Event |
| 2206015 | Mass Gathering-Fair/Community Event        |
| 2206017 | Mass Gathering-Sporting Event              |
| 2206019 | Other (Not Listed)                         |
| 2206021 | Public Safety Support                      |

## Data Element Comment

Added to document the reason for ?Standby? when populated in eResponse.05 (Type of Service Requested). This information will assist in administrative analysis of EMS service delivery, special event coverage, etc.

**eCad.13 - Primary Role of the Unit****Definition**

The Primary role of the EMS Unit which responded to this specific EMS event

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_05   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Associated Performance Measure Initiatives**

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

**Code List**

| Code    | Description  |
|---------|--|
| 2207001 | Air Transport <span style="font-size:8px;background:purple;color:white;padding:1px;">DEPRECATED</span> |
| 2207003 | Ground Transport   |
| 2207005 | Non-Transport Administrative (e.g., Supervisor)  |
| 2207007 | Non-Transport Assistance   |
| 2207009 | Non-Transport Rescue   |
| 2207011 | Air Transport-Helicopter   |
| 2207013 | Air Transport-Fixed Wing   |

**Data Element Comment**

Supervisor clarified to Administrative Only. if the Supervisor is responding to assist, that would be considered Non-Transport. Transport separated into Air and Ground. In Version 2 there was no way to identify Air Transport.

## eCad.14 - Type of Dispatch Delay

## Definition

The dispatch delays, if any, associated with the dispatch of the EMS unit to the EMS event.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_06   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : M |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## CorrelationID

Data Type: string

minLength: 0

maxLength: 255

## Code List

| Code    | Description                              |
|---------|--|
| 2208001 | Caller (Uncooperative)                   |
| 2208003 | Diversion/Failure (of previous unit)     |
| 2208005 | High Call Volume                         |
| 2208007 | Language Barrier                         |
| 2208009 | Location (Inability to Obtain)           |
| 2208011 | No EMS Vehicles (Units) Available        |
| 2208013 | None/No Delay                            |
| 2208015 | Other (Not Listed)                       |
| 2208017 | Technical Failure (Computer, Phone etc.) |

## Data Element Comment

A dispatch delay is any time delay that occurs from the time of PSAP call (eTimes.01) to the time the unit is notified by dispatch (eTimes.03).

## eCad.15 - Type of Response Delay

## Definition

The response delays, if any, of the EMS unit associated with the EMS event.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_07   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : M |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## CorrelationID

Data Type: string

minLength: 0

maxLength: 255

## Code List

| Code    | Description                            |
|---------|--|
| 2209001 | Crowd                                  |
| 2209003 | Directions/Unable to Locate            |
| 2209005 | Distance                               |
| 2209007 | Diversion (Different Incident)         |
| 2209009 | HazMat                                 |
| 2209011 | None/No Delay                          |
| 2209013 | Other (Not Listed)                     |
| 2209015 | Rendezvous Transport Unavailable       |
| 2209017 | Route Obstruction (e.g., train)        |
| 2209019 | Scene Safety (Not Secure for EMS)      |
| 2209021 | Staff Delay                            |
| 2209023 | Traffic                                |
| 2209025 | Vehicle Crash Involving this Unit      |
| 2209027 | Vehicle Failure of this Unit           |
| 2209029 | Weather                                |
| 2209031 | Mechanical Issue-Unit, Equipment, etc. |
| 2209033 | Flight Planning                        |

## Data Element Comment

Rendezvous Transport Unavailable added for situations where there is a wait for an EMS Transport Unit, a Ferry, Air Medical, etc to return to service.

A response delay is any time delay that occurs from the time the unit is notified by dispatch (eTimes.03) to the time the unit arrived on scene (eTimes.06).

## eCad.16 - Type of Scene Delay

## Definition

The scene delays, if any, of the EMS unit associated with the EMS event.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_08   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : M |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## CorrelationID

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

## Code List

| Code    | Description                           |
|---------|---------------------------------------|
| 2210001 | Awaiting Air Unit                     |
| 2210003 | Awaiting Ground Unit                  |
| 2210005 | Crowd                                 |
| 2210007 | Directions/Unable to Locate           |
| 2210009 | Distance                              |
| 2210011 | Extrication                           |
| 2210013 | HazMat                                |
| 2210015 | Language Barrier                      |
| 2210017 | None/No Delay                         |
| 2210019 | Other (Not Listed)                    |
| 2210021 | Patient Access                        |
| 2210023 | Safety-Crew/Staging                   |
| 2210025 | Safety-Patient                        |
| 2210027 | Staff Delay                           |
| 2210029 | Traffic                               |
| 2210031 | Triage/Multiple Patients              |
| 2210033 | Vehicle Crash Involving this Unit     |
| 2210035 | Vehicle Failure of this Unit          |
| 2210037 | Weather                               |
| 2210039 | Mechanical Issue-Unit, Equipment, etc |

## Data Element Comment

A scene delay is any time delay that occurs from the time the unit arrived on scene (eTimes.06) to the time the unit left the scene (eTimes.09).



## eCad.17 - Type of Transport Delay

## Definition

The transport delays, if any, of the EMS unit associated with the EMS event.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_09   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : M |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## CorrelationID

Data Type: string

minLength: 0

maxLength: 255

## Code List

| Code    | Description                                  |
|---------|--|
| 2211001 | Crowd  |
| 2211003 | Directions/Unable to Locate                  |
| 2211005 | Distance                                     |
| 2211007 | Diversion                                    |
| 2211009 | HazMat                                       |
| 2211011 | None/No Delay                                |
| 2211013 | Other (Not Listed)                           |
| 2211015 | Rendezvous Transport Unavailable             |
| 2211017 | Route Obstruction (e.g., Train)              |
| 2211019 | Safety                                       |
| 2211021 | Staff Delay                                  |
| 2211023 | Traffic                                      |
| 2211025 | Vehicle Crash Involving this Unit            |
| 2211027 | Vehicle Failure of this Unit                 |
| 2211029 | Weather                                      |
| 2211031 | Patient Condition Change (e.g. Unit Stopped) |

## Data Element Comment

Rendezvous Transport Unavailable added for situations where there is a wait for an EMS Transport Unit, a Ferry, Air Medical, etc.

A transport delay is any time delay that occurs from the time the unit left the scene (eTimes.09) to the time the patient arrived at the destination (eTimes.10).

## eCad.18 - Type of Turn-Around Delay

## Definition

The turn-around delays, if any, of EMS unit associated with the EMS event.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_10   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : M |

## Associated Performance Measure Initiatives

Response

## Attributes

## CorrelationID

Data Type: string

minLength: 0

maxLength: 255

## Code List

| Code    | Description   |
|---------|---|
| 2212001 | Clean-up  |
| 2212003 | Decontamination                                     |
| 2212005 | Distance  |
| 2212007 | Documentation                                       |
| 2212009 | ED Overcrowding / Transfer of Care                  |
| 2212011 | Equipment Failure                                   |
| 2212013 | Equipment/Supply Replenishment                      |
| 2212015 | None/No Delay                                       |
| 2212017 | Other (Not Listed)                                  |
| 2212019 | Rendezvous Transport Unavailable                    |
| 2212021 | Route Obstruction (e.g. Train)                      |
| 2212023 | Staff Delay   |
| 2212025 | Traffic   |
| 2212027 | Vehicle Crash of this Unit                          |
| 2212029 | Vehicle Failure of this Unit                        |
| 2212031 | Weather   |
| 2212033 | EMS Crew Accompanies Patient for Facility Procedure |

## Data Element Comment

Rendezvous Transport Unavailable added for situations where there is a wait for an EMS Transport Unit, a Ferry, Air Medical, etc to return to service.

If a patient is being transported by the unit, turn-around delay is any time delay that occurs from the time the patient arrived at the destination (eTimes.10) until the time the unit is back in service (eTimes.13) or unit back at the home location (eTimes.15) [whichever is the greater of the two times].

If no patient is being transported by the unit, turn-around delay is any time delay that occurs from the time the unit arrived on scene (eTimes.06) until the unit is back in service (eTimes.13) or the unit back at the home location (eTimes.15) [whichever is the greater of the two times].

**eCad.19 - EMS Vehicle (Unit) Number****Definition**

The unique physical vehicle number of the responding unit.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_11   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Constraints**

|                  |                  |                  |
|------------------|------------------|------------------|
| <b>Data Type</b> | <b>minLength</b> | <b>maxLength</b> |
| string           | 1                | 25               |

**Data Element Comment**

This is recommended to be the State Vehicle Permit Number if unique to the vehicle. If the vehicle is not licensed by the state, this should be a unique number only associated with a specific vehicle. This element should be populated from dVehicle.01 - Unit/Vehicle Number.

**eCad.20 - EMS Unit Call Sign****Definition**

The EMS unit number used to dispatch and communicate with the unit. This may be the same as the EMS Unit/Vehicle Number in many agencies.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_12   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Constraints**

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 1         | 50        |

**Data Element Comment**

"This element could be populated from a list created in dVehicle.03 EMS Unit Call Sign or dConfiguration.16 (Crew Call Sign).

## eCad.21 - Level of Care of This Unit

## Definition

The level of care (BLS or ALS) the unit is able to provide based on the unit's treatment capabilities for this EMS response.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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                |
|---------|----------------------------|
| 2215001 | BLS-First Responder/EMR    |
| 2215003 | BLS-Basic /EMT             |
| 2215005 | BLS-AEMT                   |
| 2215007 | BLS-Intermediate           |
| 2215023 | BLS-Community Paramedicine |
| 2215009 | ALS-AEMT                   |
| 2215011 | ALS-Intermediate           |
| 2215013 | ALS-Paramedic              |
| 2215015 | ALS-Community Paramedicine |
| 2215017 | ALS-Nurse                  |
| 2215019 | ALS-Physician              |
| 2215021 | Specialty Critical Care    |

## Data Element Comment

Added to identify the level of care (license level) the EMS unit/crew can provide regardless of patient need, based on this unit's capabilities.

For example, if a unit/crew is staffed with an EMT-Intermediate or EMT-Paramedic but the unit is either licensed or stocked at a BLS level the appropriate level of care is "BLS-Basic?". This is because the care provided to patients is limited to BLS skills.

## eCad.22 - Vehicle Dispatch Location

## Definition

The EMS Location or healthcare facility name representing the geographic location of the vehicle at the time of dispatch.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_13   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Constraints

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 2         | 100       |

## Data Element Comment

This element can be populated from dLocation.02 EMS Location Name or dFacility information. Depending on the information the EMS Agency or State is interested in knowing the following elements can be utilized:

1. dLocation.02 EMS Location Name
2. dFacility.02 Facility Name
3. dFacility.03 Facility Code
4. dFacility.15 Facility GPS Location

## eCad.23 - Vehicle Dispatch GPS Location

## Definition

The GPS coordinates associated with the EMS unit at the time of dispatch documented in decimal degrees.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_15   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Response

## Constraints

**Pattern**

(\+|-)?(90(\.[0]{1,6})?|([1-8][0-9][0-9])(\.[0-9]{1,6})?).(\+|-)?(180(\.[0]{1,6})?(1[0-7][0-9][1-9][0-9][0-9])(\.[0-9]{1,6})?)

## Data Element Comment

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

## eCad.24 - Vehicle Dispatch US National Grid Location

## Definition

The US National Grid Coordinates for the EMS Vehicle's Dispatch Location.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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**

((1-9)[1-5][0-9]{60})[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V][0-9]{8}

## Data Element Comment

Standard found at [www.fgdc.gov/usng](http://www.fgdc.gov/usng). Used by the EMS components of US Governmental entities such as national parks and military agencies.



## eCad.25 - Beginning Odometer Reading of Responding Vehicle

## Definition

The mileage (counter or odometer reading) of the vehicle at the beginning of the call (when the wheels begin moving). If EMS vehicle/unit is via water or air travel document the number in "hours" as it relates to the documentation of Boat, Fixed Wing, or Rotor Craft in eDisposition.16 (EMS Transport Method)

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_16   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Constraints

|                  |                       |                    |
|------------------|-----------------------|--------------------|
| <b>Data Type</b> | <b>fractionDigits</b> | <b>totalDigits</b> |
| decimal          | 2                     | 8                  |

## Data Element Comment

If a mileage counter is being used instead of an odometer, this value would be 0.

## eCad.26 - On-Scene Odometer Reading of Responding Vehicle

## Definition

The mileage (counter or odometer reading) of the vehicle when it arrives at the scene. If EMS vehicle/unit is via water or air travel document the number in "hours" as it relates to the documentation of Boat, Fixed Wing, or Rotor Craft in eDisposition.16 (EMS Transport Method)

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_17   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Constraints

|                  |                       |                    |
|------------------|-----------------------|--------------------|
| <b>Data Type</b> | <b>fractionDigits</b> | <b>totalDigits</b> |
| decimal          | 2                     | 8                  |

## Data Element Comment

If using a counter, this is the mileage traveled from dispatch to the scene starting from 0.

## eCad.27 - Patient Destination Odometer Reading of Responding Vehicle

## Definition

The mileage (counter or odometer reading) of the vehicle when it arrives at the patient's destination. If EMS vehicle/unit is via water or air travel document the number in "hours" as it relates to the documentation of Boat, Fixed Wing, or Rotor Craft in eDisposition.16 (EMS Transport Method)

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_18   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Constraints

|                  |                       |                    |
|------------------|-----------------------|--------------------|
| <b>Data Type</b> | <b>fractionDigits</b> | <b>totalDigits</b> |
| decimal          | 2                     | 8                  |

## Data Element Comment

If using a counter, this is the mileage traveled from dispatch to the patient's transport destination starting from 0.

**eCad.28 - Ending Odometer Reading of Responding Vehicle****Definition**

If using a counter, this is the mileage traveled beginning with dispatch through the transport of the patient to their destination and ending when back in service, starting from 0. If EMS vehicle/unit is via water or air travel document the number in "hours" as it relates to the documentation of boat, Fixed Wing, or Rotor Craft in eDisposition.16

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_19   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Constraints**

|                  |                       |                    |
|------------------|-----------------------|--------------------|
| <b>Data Type</b> | <b>fractionDigits</b> | <b>totalDigits</b> |
| decimal          | 2                     | 8                  |

**Data Element Comment**

## eCad.29 - Response Mode to Scene

## Definition

The indication whether the response was emergent or non-emergent. An emergent response is an immediate response (typically using lights and sirens).

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E02_20   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

| Code    | Description                         |
|---------|-------------------------------------|
| 2223001 | Emergent (Immediate Response)       |
| 2223003 | Emergent Downgraded to Non-Emergent |
| 2223005 | Non-Emergent                        |
| 2223007 | Non-Emergent Upgraded to Emergent   |

## Data Element Comment

Information now split between eResponse.21 (Response Mode to Scene) and eResponse.22 (Additional Response Mode Descriptors)

## eCad.30 - Additional Response Mode Descriptors

## Definition

The documentation of response mode techniques used for this EMS response.

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

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## CorrelationID

Data Type: string

minLength: 0

maxLength: 255

## Code List

| Code    | Description  |
|---------|--|
| 2224001 | Intersection Navigation-Against Normal Light Patterns            |
| 2224003 | Intersection Navigation-With Automated Light Changing Technology |
| 2224005 | Intersection Navigation-With Normal Light Patterns               |
| 2224007 | Scheduled  |
| 2224009 | Speed-Enhanced per Local Policy                                  |
| 2224011 | Speed-Normal Traffic   |
| 2224013 | Unscheduled  |
| 2224015 | Lights and Sirens  |
| 2224017 | Lights and No Sirens   |
| 2224019 | No Lights or Sirens  |
| 2224021 | Initial No Lights or Sirens, Upgraded to Lights and Sirens       |
| 2224023 | Initial Lights and Sirens, Downgraded to No Lights or Sirens     |

## Data Element Comment

Descriptors have been added to better describe the EMS Response. This includes information on whether the EMS event was schedule or unscheduled.

State

National

## eCad.31 - Complaint Reported by Dispatch

## Definition

The complaint dispatch reported to the responding unit.

|                   |           |                          |       |
|-------------------|-----------|--------------------------|-------|
| National Element  | Yes       | Pertinent Negatives (PN) | No    |
| State Element     | Yes       | NOT Values               | No    |
| Version 2 Element | E03_01    | Is Nillable              | No    |
| Usage             | Mandatory | Recurrence               | 1 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

| Code    | Description   |
|---------|---|
| 2301001 | Abdominal Pain/Problems   |
| 2301003 | Allergic Reaction/Stings  |
| 2301005 | Animal Bite   |
| 2301007 | Assault   |
| 2301009 | Automated Crash Notification  |
| 2301011 | Back Pain (Non-Traumatic)   |
| 2301013 | Breathing Problem   |
| 2301015 | Burns/Explosion   |
| 2301017 | Carbon Monoxide/Hazmat/Inhalation/CBRN                                    |
| 2301019 | Cardiac Arrest/Death  |
| 2301021 | Chest Pain (Non-Traumatic)  |
| 2301023 | Choking   |
| 2301025 | Convulsions/Seizure   |
| 2301027 | Diabetic Problem  |
| 2301029 | Electrocution/Lightning   |
| 2301031 | Eye Problem/Injury  |
| 2301033 | Falls   |
| 2301035 | Fire  |
| 2301037 | Headache  |
| 2301039 | Healthcare Professional/Admission   |
| 2301041 | Heart Problems/AICD   |
| 2301043 | Heat/Cold Exposure  |
| 2301045 | Hemorrhage/Laceration   |
| 2301047 | Industrial Accident/Inaccessible Incident/Other Entrapments (Non-Vehicle) |
| 2301049 | Medical Alarm   |
| 2301051 | No Other Appropriate Choice   |
| 2301053 | Overdose/Poisoning/Ingestion  |
| 2301055 | Pandemic/Epidemic/Outbreak  |
| 2301057 | Pregnancy/Childbirth/Miscarriage  |
| 2301059 | Psychiatric Problem/Abnormal Behavior/Suicide Attempt                     |
| 2301061 | Sick Person   |
| 2301063 | Stab/Gunshot Wound/Penetrating Trauma                                     |
| 2301065 | Standby   |
| 2301067 | Stroke/CVA  |
| 2301069 | Traffic/Transportation Incident   |
| 2301071 | Transfer/Interfacility/Palliative Care                                    |
| 2301073 | Traumatic Injury  |
| 2301075 | Well Person Check   |
| 2301077 | Unconscious/Fainting/Near-Fainting  |
| 2301079 | Unknown Problem/Person Down   |
| 2301081 | Drowning/Diving/SCUBA Accident  |
| 2301083 | Airmedical Transport  |

## Data Element Comment

Added Pandemic/Epidemic/Outbreak.  
Added Automated Crash Notification

Added Healthcare Professional Admission  
Added Interfacility/Evaluation/Transfer  
- Other entries expanded based on current national EMD Dispatch List



## eCad.32 - EMD Performed

## Definition

Indication of whether Emergency Medical Dispatch was performed for this EMS event.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E03_02   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

| Code    | Description                                    |
|---------|--|
| 2302001 | No   |
| 2302003 | Yes, With Pre-Arrival Instructions             |
| 2302005 | Yes, Without Pre-Arrival Instructions          |
| 2302007 | Yes, Unknown if Pre-Arrival Instructions Given |

## Data Element Comment

## eCad.33 - EMD Card Number

## Definition

The EMD card number reported by dispatch, consisting of the card number, dispatch level, and dispatch mode

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E03_03   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

|                  |                  |                  |
|------------------|------------------|------------------|
| <b>Data Type</b> | <b>minLength</b> | <b>maxLength</b> |
| string           | 1                | 10               |

## Data Element Comment

**eCad.34 - Dispatch Center Name or ID****Definition**

The name or ID of the dispatch center providing electronic data to the PCR for the EMS agency, if applicable.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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**

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 2         | 100       |

**Data Element Comment**

This element can be used to identify the dispatch center (Primary or Secondary Public Safety Answering Point - PSAP) that dispatches the EMS agency. If the EMS agency is able to populate the Patient Care Report (PCR) with CAD specific details (times, incident address information, crew information, EMD, etc) the name or ID of the dispatch center should be documented.

**Version 3 Changes Implemented**

Added to the dataset to assist in identifying the CAD / dispatch center providing information to the EMS agency and ePCR when there are multiple dispatch centers sending resources to the same EMS incident.

**eCad.35 - Dispatch Priority (Patient Acuity)****Definition**

The actual, apparent, or potential acuity of the patient's condition as determined through information obtained during the EMD process.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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   |
|---------|---|
| 2305001 | Priority 1 (Critical)                                       |
| 2305003 | Priority 2 (Emergent)                                       |
| 2305005 | Priority 3 (Lower Acuity)                                   |
| 2305007 | Priority 4 (Non-Acute [e.g. Scheduled Transfer or Standby]) |

**Data Element Comment**

The use of priority and acuity values vary by EMS agency. Some systems may utilize fewer than four priority levels and some more. The use of four priority levels is to capture the majority and allow for the inclusion of the NHTSA National EMS Core Content definitions for patient acuity, specifically: Critical, Emergent, and Lower Acuity.

For EMS Agencies and CAD / EMD systems utilizing Alpha-Echo, Omega levels for determining the priority level for dispatch of the EMS unit, the recommended mapping is:

|                    |                      |                    |
|--------------------|----------------------|--------------------|
| Echo = Priority 1  | Charlie = Priority 2 | Alpha = Priority 3 |
| Delta = Priority 1 | Bravo = Priority 2   | Omega = Priority 4 |

Priority 1 is typically an emergent (lights and sirens) response

Priority 2 is typically an emergent response without the use lights and sirens

Priority 3 is typically a non-emergent response for nursing home, hospital-to-hospital transfers, etc.

Priority 4 is typically a scheduled response (scheduled transfer) or standby event

Definitions related to ?Critical, Emergent, and Lower Acuity? can be found in the National EMS Core Content document from NHTSA EMS (DOT HS 809-898 July 2005) at <http://www.nhtsa.gov/people/injury/ems/emscorecontent/images/EMSCoreContent.pdf>

## eCad.36 - PSAP Call Date/Time

## Definition

The date/time the phone rings (911 call to public safety answering point or other designated entity) requesting EMS services.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E05_02   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Data Type**                      **minInclusive**                      **maxInclusive**  
 dateTime                      1950-01-01T00:00:00-00:00                      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}

## Data Element Comment

This date/time might be the same as Dispatch Notified Date/Time (eTimes.02).

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## eCad.37 - Dispatch Notified Date/Time

## Definition

The date/time dispatch was notified by the 911 call taker (if a separate entity).

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E05_03   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Constraints

|                  |                           |                           |
|------------------|---------------------------|---------------------------|
| <b>Data Type</b> | <b>minInclusive</b>       | <b>maxInclusive</b>       |
| dateTime         | 1950-01-01T00:00:00-00:00 | 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}

## Data Element Comment

This date/time might be the same as PSAP Call Date/Time (eTimes.01).

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

State

National

## eCad.38 - Unit Notified by Dispatch Date/Time

## Definition

The date/time the responding unit was notified by dispatch.

|                   |           |                          |       |
|-------------------|-----------|--------------------------|-------|
| National Element  | Yes       | Pertinent Negatives (PN) | No    |
| State Element     | Yes       | NOT Values               | No    |
| Version 2 Element | E05_04    | Is Nillable              | No    |
| Usage             | Mandatory | Recurrence               | 1 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Data Type**                      **minInclusive**                      **maxInclusive**  
 dateTime                      1950-01-01T00:00:00-00:00                      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}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## eCad.39 - Dispatch Acknowledged Date/Time

## Definition

The date/time the dispatch was acknowledged by the EMS Unit.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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>minInclusive</b>       | <b>maxInclusive</b>       |
| dateTime         | 1950-01-01T00:00:00-00:00 | 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}

## Data Element Comment

This is the end of turnout time or the beginning of response time. Added per Fire Service to better calculate NFPA 1710.

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |



## eCad.40 - Unit En Route Date/Time

## Definition

The date/time the unit responded; that is, the time the vehicle started moving.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E05_05   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Data Type**                      **minInclusive**                      **maxInclusive**  
 dateTime                      1950-01-01T00:00:00-00:00                      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}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## eCad.41 - Unit Arrived on Scene Date/Time

## Definition

The date/time the responding unit arrived on the scene; that is, the time the vehicle stopped moving at the scene.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E05_06   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Data Type**                      **minInclusive**                      **maxInclusive**  
 dateTime                      1950-01-01T00:00:00-00:00                      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}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## eCad.42 - Arrived at Patient Date/Time

## Definition

The date/time the responding unit arrived at the patient's side.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E05_07   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Data Type**                      **minInclusive**                      **maxInclusive**  
 dateTime                      1950-01-01T00:00:00-00:00                      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}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## eCad.43 - Transfer of EMS Patient Care Date/Time

## Definition

The date/time the patient was transferred from this EMS agency to another EMS agency for care.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E05_08   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Constraints

**Data Type**                      **minInclusive**                      **maxInclusive**  
 dateTime                      1950-01-01T00:00:00-00:00                      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}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## eCad.44 - Unit Left Scene Date/Time

## Definition

The date/time the responding unit left the scene with a patient (started moving).

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E05_09   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Data Type**                      **minInclusive**                      **maxInclusive**  
 dateTime                      1950-01-01T00:00:00-00:00                      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}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## eCad.45 - Arrival at Destination Landing Area Date/Time

## Definition

The date/time the Air Medical vehicle arrived at the destination landing area.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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>minInclusive</b>       | <b>maxInclusive</b>       |
| dateTime         | 1950-01-01T00:00:00-00:00 | 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})

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## eCad.46 - Patient Arrived at Destination Date/Time

## Definition

The date/time the responding unit arrived with the patient at the destination or transfer point.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E05_10   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Data Type**                      **minInclusive**                      **maxInclusive**  
 dateTime                      1950-01-01T00:00:00-00:00                      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})

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## eCad.47 - Destination Patient Transfer of Care Date/Time

## Definition

The date/time that patient care was transferred to the destination healthcare facilities staff.

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

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Data Type**                      **minInclusive**                      **maxInclusive**  
 dateTime                      1950-01-01T00:00:00-00:00                      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}

## Data Element Comment

This was added to better document delays in ED transfer of care due to ED crowding or other issues beyond EMS control.

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |



## eCad.48 - Unit Back in Service Date/Time

## Definition

The date/time the unit back was back in service and available for response (finished with call, but not necessarily back in home location).

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E05_11   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Response

## Constraints

| Data Type | minInclusive              | maxInclusive              |
|-----------|---------------------------|---------------------------|
| dateTime  | 1950-01-01T00:00:00-00:00 | 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}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## eCad.49 - Unit Canceled Date/Time

## Definition

The date/time the unit was canceled.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E05_12   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Response

## Constraints

|                  |                           |                           |
|------------------|---------------------------|---------------------------|
| <b>Data Type</b> | <b>minInclusive</b>       | <b>maxInclusive</b>       |
| dateTime         | 1950-01-01T00:00:00-00:00 | 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}

## Data Element Comment

This date/time is to be documented if the unit went en route but neither arrived on scene nor made patient contact.

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## eCad.50 - Unit Back at Home Location Date/Time

## Definition

The date/time the responding unit was back in their service area. With agencies who utilized Agency Status Management, home location means the service area as assigned through the agency status management protocol.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E05_13   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Response

## Constraints

| Data Type | minInclusive              | maxInclusive              |
|-----------|---------------------------|---------------------------|
| dateTime  | 1950-01-01T00:00:00-00:00 | 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})

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## eCad.51 - EMS Call Completed Date/Time

## Definition

The date/time the responding unit completed all tasks associated with the event including transfer of the patient, and such things as cleaning and restocking.

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

## Associated Performance Measure Initiatives

Response

## Constraints

| Data Type | minInclusive              | maxInclusive              |
|-----------|---------------------------|---------------------------|
| dateTime  | 1950-01-01T00:00:00-00:00 | 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}

## Data Element Comment

For many EMS agencies, this would equal Unit Back in Service Date/Time (eTimes.13) if no travel is required to be back in service.

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

**eCad.52 - EMS Patient ID****Definition**

The unique ID for the patient within the Agency

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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**

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 2         | 100       |

**Data Element Comment**

This has been inserted to allow each patient to be tracked across multiple PCRs within an EMS Agency.

**eCad.53 - Last Name****Definition**

The patient's last (family) name

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_01   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Constraints**

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 1         | 50        |

**Data Element Comment**

Pertinent negatives accepted with option of "Unable to Complete" or "Refused".

## eCad.54 - First Name

## Definition

The patient's first (given) name

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_02   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Constraints

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 1         | 50        |

## Data Element Comment

Pertinent negatives accepted with option of "Unable to Complete" or "Refused".

## eCad.55 - Middle Initial/Name

## Definition

The patient's middle name, if any

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_03   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Constraints

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 1         | 50        |

## Data Element Comment



**eCad.56 - Patient's Home Address****Definition**

The patient's home mailing or street address

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_04   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Attributes****StreetAddress2****Data Type:** string**minLength:** 1**maxLength:** 55**Constraints**

| <b>Data Type</b> | <b>minLength</b> | <b>maxLength</b> |
|------------------|------------------|------------------|
| string           | 1                | 55               |

**Data Element Comment**

This is a CMS standard. According to the Medicare Claims Processing Manual, Chapter 15 - Ambulance, Ambulance suppliers bill using CMS-1500 form or CMS-1450 form for institution-based ambulance providers. This standard adheres to CMS-1500 and 1450.

**eCad.57 - Patient's Home City****Definition**

The patient's home city or township or residence

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_05   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Data Element Comment**

Based on GNIS Civil Code or Populated Place code.

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

## eCad.58 - Patient's Home County

## Definition

The patient's home county or parish or residence

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_06   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Data Type**                      **length**  
string                              5

## Data Element Comment

Based on the ANSI Code Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes) Should be required if there is a patient associated with the event.

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

## eCad.59 - Patient's Home State

## Definition

The patient's home state, territory, or province, or District of Columbia, where the patient resides.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_07   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

|                  |               |
|------------------|---------------|
| <b>Data Type</b> | <b>length</b> |
| string           | 2             |

## Data Element Comment

The ANSI Code Selection by text but stored as ANSI code.

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

## eCad.60 - Patient's Home ZIP Code

## Definition

The patient's home ZIP code of residence

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_08   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## 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

ZIP Codes Product Website: <https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/>

Product: USA - 5-digit ZIP Code Database, Commercial Edition

**eCad.61 - Patient's Home Country****Definition**

The country in which the patient lives.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_09   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Constraints**

|                  |               |
|------------------|---------------|
| <b>Data Type</b> | <b>length</b> |
| string           | 2             |

**Data Element Comment**

Based on the ISO Country Code.

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)

## eCad.62 - Patient Home Census Tract

## Definition

The census tract in which the patient lives

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

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Pattern**

[0-9]{11}

## Data Element Comment

Census Tract Data Website (files and descriptions): [http://www.census.gov/geo/www/2010census/tract\\_rel/tract\\_rel.html](http://www.census.gov/geo/www/2010census/tract_rel/tract_rel.html)

**eCad.63 - Social Security Number****Definition**

The patient's social security number

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_10   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Constraints**

|                  |                     |                     |
|------------------|---------------------|---------------------|
| <b>Data Type</b> | <b>maxInclusive</b> | <b>minInclusive</b> |
| integer          | 999999999           | 000000000           |

**Data Element Comment**



## eCad.64 - Gender

## Definition

## The Patient's Gender

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_11   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

| Code    | Description                   |
|---------|-------------------------------|
| 9906001 | Female                        |
| 9906003 | Male                          |
| 9906005 | Unknown (Unable to Determine) |

## Data Element Comment

## eCad.65 - Race

## Definition

The patient's race as defined by the OMB (US Office of Management and Budget)

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_12   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : M |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Attributes

## CorrelationID

Data Type: string

minLength: 0

maxLength: 255

## Code List

| Code    | Description                               |
|---------|---|
| 2514001 | American Indian or Alaska Native          |
| 2514003 | Asian                                     |
| 2514005 | Black or African American                 |
| 2514007 | Hispanic or Latino                        |
| 2514009 | Native Hawaiian or Other Pacific Islander |
| 2514011 | White                                     |

## Data Element Comment

OMB requirements are provided at: <http://www.omhrc.gov/templates/browse.aspx?lvl=2&lvlID=172>. Using single multiple choice question methodology to improve the completion of ethnicity information.

Ethnicity (Version 2.2.1: E06\_13) has been merged with this data element and retired.

## eCad.66 - Age

## Definition

The patient's age (either calculated from date of birth or best approximation)

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_14   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

|                  |                     |                     |
|------------------|---------------------|---------------------|
| <b>Data Type</b> | <b>minInclusive</b> | <b>maxInclusive</b> |
| integer          | 1                   | 120                 |

## Data Element Comment

## eCad.67 - Age Units

## Definition

The unit used to define the patient's age

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_15   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

| Code    | Description |
|---------|-------------|
| 2516001 | Days        |
| 2516003 | Hours       |
| 2516005 | Minutes     |
| 2516007 | Months      |
| 2516009 | Years       |

## Data Element Comment

## eCad.68 - Date of Birth

## Definition

The patient's date of birth

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_16   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Constraints

|                  |                     |                     |
|------------------|---------------------|---------------------|
| <b>Data Type</b> | <b>minInclusive</b> | <b>maxInclusive</b> |
| date             | 1890-01-01          | 2050-01-01          |

## Data Element Comment

## eCad.69 - Patient's Phone Number

## Definition

The patient's home or primary phone number

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E06_17   | 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

**eCad.70 - First EMS Unit on Scene****Definition**

Documentation that this EMS Unit was the first EMS Unit for the EMS Agency on the Scene

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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 |
|---------|-------------|
| 9923001 | No          |
| 9923003 | Yes         |

**Data Element Comment**

Added to improve the evaluation of Response Times when multiple EMS units are responding to the same scene.

**eCad.71 - Other EMS or Public Safety Agencies at Scene****Definition**

Other EMS agency names that were at the scene, if any

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E08_01   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Constraints**

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 2         | 100       |

**Data Element Comment**



**eCad.72 - Other EMS or Public Safety Agency ID Number****Definition**

The ID number for the EMS Agency or Other Public Safety listed in eScene.02

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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                | 25               |

**Data Element Comment**

The ID should be the state ID (license number) for the EMS agency or ID number for the law enforcement. This may be an ID assigned by the state or created by the EMS agency.

## eCad.73 - Type of Other Service at Scene

## Definition

The type of public safety or EMS service associated with Other Agencies on Scene

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E08_02   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Code List

| Code    | Description                |
|---------|----------------------------|
| 2704001 | EMS Mutual Aid             |
| 2704003 | Fire                       |
| 2704005 | First Responder            |
| 2704007 | Hazmat                     |
| 2704009 | Law                        |
| 2704011 | Other                      |
| 2704013 | Other EMS Agency           |
| 2704015 | Other Health Care Provider |
| 2704017 | Rescue                     |
| 2704019 | Utilities                  |

## Data Element Comment

Associated with each Other Service in eScene.02

## eCad.74 - Date/Time Initial Responder Arrived on Scene

## Definition

The time that the initial responder arrived on the scene, if applicable.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E08_04   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    STEMI    Trauma

## Constraints

**Data Type**                      **minInclusive**                      **maxInclusive**  
 dateTime                      1950-01-01T00:00:00-00:00                      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}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## eCad.75 - Number of Patients at Scene

## Definition

Indicator of how many total patients were at the scene

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E08_05   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Code List

| Code    | Description |
|---------|-------------|
| 2707001 | Multiple    |
| 2707003 | None        |
| 2707005 | Single      |

## Data Element Comment

**eCad.76 - Mass Casualty Incident****Definition**

Indicator if this event would be considered a mass casualty incident (overwhelmed existing EMS resources)

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E08_06   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Associated Performance Measure Initiatives**

Trauma

**Code List**

| Code    | Description |
|---------|-------------|
| 9923001 | No          |
| 9923003 | Yes         |

**Data Element Comment**

## eCad.77 - Triage Classification for MCI Patient

## Definition

The color associated with the initial triage assessment/classification of the MCI patient.

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

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

| Code    | Description             |
|---------|-------------------------|
| 2708001 | Red - Immediate         |
| 2708003 | Yellow - Delayed        |
| 2708005 | Green - Minimal (Minor) |
| 2708007 | Gray - Expectant        |
| 2708009 | Black - Deceased        |

## Data Element Comment

This element is documented when eScene.07 (Mass Casualty Incident) = Yes.

Examples of triage systems include START and SALT.

Adapted from: SALT mass casualty triage: concept endorsed by the American College of Emergency Physicians, American College of Surgeons Committee on Trauma, American Trauma Society, National Association of EMS Physicians, National Disaster Life Support Education Consortium, and State and Territorial Injury Prevention Directors Association. Disaster Med Public Health Prep. 2008 Dec;2(4):245-6.

START reference: Benson M, Koenig KL, Schultz CH. Disaster triage: START, then SAVE-a new method of dynamic triage for victims of a catastrophic earthquake. Prehospital Disaster Med. 1996; Apr-Jun; 11(2): 117-24

## eCad.78 - Incident Location Type

## Definition

The kind of location where the incident happened

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E08_07   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Pattern**

Y92\.[0-9]{1,3}

## Data Element Comment

Code list is represented in ICD-10-CM: Place of Occurrence of the external cause (Y92.0-Y92.9).

ICD-10-CM

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

Product - UMLS Metathesaurus

**eCad.79 - Incident Facility Code****Definition**

The state, regulatory, or other unique number (code) associated with the facility if the Incident is a Healthcare Facility.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E08_08   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Constraints**

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 2         | 50        |

**Data Element Comment**

This may be populated from a list created within dFacility.03 (Facility Location Code) or dFacility.05 (Facility National Provider Identifier).



## eCad.80 - Scene GPS Location

## Definition

The GPS coordinates associated with the Scene.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E08_10   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Pattern**

(\+|-)?(90(\.[0]{1,6})?|([1-8][0-9][0-9])(\.[0-9]{1,6})?),(\+|-)?(180(\.[0]{1,6})?(1[0-7][0-9][1-9][0-9][0-9])(\.[0-9]{1,6})?)

## Data Element Comment

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

**eCad.81 - Scene US National Grid Coordinates****Definition**

The US National Grid Coordinates for the Scene.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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**

(([1-9]|[1-5][0-9]{60})[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V][0-9]{8})

**Data Element Comment**

Standard found at [www.fgdc.gov/usng](http://www.fgdc.gov/usng)

**eCad.82 - Incident Facility or Location Name****Definition**

The name of the facility, business, building, etc. associated with the scene of the EMS event.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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**

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 2         | 100       |

**Data Element Comment**

This element may be populated from a list created within dFacility.02 (Facility Name).

**eCad.83 - Mile Post or Major Roadway****Definition**

The mile post or major roadway associated with the incident locations

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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>maxLength</b> | <b>minLength</b> |
| string           | 35               | 2                |

**Data Element Comment**

## eCad.84 - Incident Street Address

## Definition

?The street address where the patient was found, or, if no patient, the address to which the unit responded.?

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E08_11   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Attributes

**StreetAddress2**

**Data Type:** string      **minLength:** 1      **maxLength:** 55

## Constraints

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 1         | 55        |

## Data Element Comment

This is a CMS standard. According to the Medicare Claims Processing Manual, Chapter 15 - Ambulance, Ambulance suppliers bill using CMS-1500 form or CMS-1450 form for institution-based ambulance providers.

**eCad.85 - Incident Apartment, Suite, or Room****Definition**

The number of the specific apartment, suite, or room where the incident occurred.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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**

**eCad.86 - Incident City****Definition**

The city or township (if applicable) where the patient was found or to which the unit responded (or best approximation)

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E08_12   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Data Element Comment**

Based on GNIS Civil Code or Populated Place code.

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

## eCad.87 - Incident State

## Definition

The state, territory, or province where the patient was found or to which the unit responded (or best approximation)

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E08_14   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Data Type**            **length**  
string                    2

## Data Element Comment

Based on the ANSI State Code.

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



## eCad.88 - Incident ZIP Code

## Definition

The ZIP code of the incident location

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E08_15   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## 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

ZIP Codes Product Website: <https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/>

Product: USA - 5-digit ZIP Code Database, Commercial Edition

**eCad.89 - Scene Cross Street or Directions****Definition**

The nearest cross street to the incident address or directions from a recognized landmark or the second street name of an intersection.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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**

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 2         | 50        |

**Data Element Comment****Version 3 Changes Implemented**

Added to better locate/document the scene (incident) location.

## eCad.90 - Incident County

## Definition

The county or parish where the patient was found or to which the unit responded (or best approximation)

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E08_13   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Data Type**      **length**  
string              5

## Data Element Comment

Based on the ANSI Code Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes) Should be required if there is a patient associated with the event.

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

**eCad.91 - Incident Country****Definition**

The country of the incident location.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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>length</b> |
| string           | 2             |

**Data Element Comment**

Based on the ISO Country Code.

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)

**Version 3 Changes Implemented**

Added for international compatibility.

## eCad.92 - Incident Census Tract

## Definition

The census tract in which the incident occurred.

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

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Pattern**

[0-9]{11}

## Data Element Comment

Census Tract Data Website (files and descriptions): [http://www.census.gov/geo/www/2010census/tract\\_rel/tract\\_rel.html](http://www.census.gov/geo/www/2010census/tract_rel/tract_rel.html)

## Version 3 Changes Implemented

Added to improve the ability to use census and other demographic information within EMS research.

## eCad.93 - Destination/Transferred To, Name

## Definition

The destination the patient was delivered or transferred to.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E20_01   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Constraints

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 2         | 100       |

## Data Element Comment

Recommended State data element since no national code for destination. May be populated from the list in dFacility.02 (Facility Name).

## eCad.94 - Destination/Transferred To, Code

## Definition

The code of the destination the patient was delivered or transferred to.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E20_02   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Constraints

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 2         | 50        |

## Data Element Comment

May be populated from list in dFacility.03 (Facility Location Code) or dFacility.05 (Facility National Provider Identifier) if a health care facility. NPI codes can be found on the NEMSIS SharePoint site.

## eCad.95 - Destination Street Address

## Definition

The street address of the destination the patient was delivered or transferred to.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E20_03   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Attributes

**StreetAddress2****Data Type:** string**minLength:** 1**maxLength:** 55

## Constraints

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 1         | 55        |

## Data Element Comment

May be auto-populated if list created in dFacility.07 (Facility Street Address).



**eCad.96 - Destination City****Definition**

The city name of the destination the patient was delivered or transferred to.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E20_04   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

**Data Element Comment**

Based on GNIS Civil Code or Populated Place code. May be auto-populated if list created in dFacility.08 (Facility City).

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

## eCad.97 - Destination State

## Definition

The state of the destination the patient was delivered or transferred to.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E20_05   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

**Data Type**                      **length**  
string                              2

## Data Element Comment

Based on the ANSI Code. May be auto-populated if list created in dFacility.09 (Facility State).

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

## eCad.98 - Destination County

## Definition

The destination county in which the patient was delivered or transferred to.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E20_06   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Constraints

|                  |               |
|------------------|---------------|
| <b>Data Type</b> | <b>length</b> |
| string           | 5             |

## Data Element Comment

May be auto-populated if list created in dFacility.11 (Facility County). Based on the ANSI Code Single Choice based on the County Name but stored as the ANSI code (combined 5 digit State and County codes) Should be required if there is a patient associated with the event.

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

## eCad.99 - Destination ZIP Code

## Definition

The destination ZIP code in which the patient was delivered or transferred to.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E20_07   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## 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

May be auto-populated if list created in dFacility.10 (Facility ZIP Code).

ZIP Codes Product Website: <https://www.zipcodedownload.com/Products/Product/Z5Commercial/Standard/Overview/>

Product: USA - 5-digit ZIP Code Database, Commercial Edition

**eCad.100 - Destination Country****Definition**

The country of the destination.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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>length</b> |
| string           | 2             |

**Data Element Comment**

May be auto-populated if list created in dFacility.12 (Facility Country).

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)

**Version 3 Changes Implemented**

Added for improved international compatibility.

## eCad.101 - Destination GPS Location

## Definition

The destination GPS Coordinates to which the patient was delivered or transferred to.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E20_08   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Constraints

## Pattern

(\+|-)?(90(\.[0]{1,6})?|([1-8][0-9][0-9])(\.[0-9]{1,6})?),(\+|-)?(180(\.[0]{1,6})?|(1[0-7][0-9][1-9][0-9])(\.[0-9]{1,6})?)

## Data Element Comment

May be auto-populated if list created in dFacility.13 (Facility GPS Location).

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

## eCad.102 - Disposition Location US National Grid Coordinates

## Definition

The US National Grid Coordinates for the Disposition Location. This may be the Healthcare 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

(([1-9]][1-5][0-9]{60})[C-HJ-NP-X][A-HJ-NP-Z][A-HJ-NP-V][0-9]{8})

## Data Element Comment

Standard found at [www.fgdc.gov/usng](http://www.fgdc.gov/usng).

Through programming this may be partially auto-populated if the list is created in dFacility.14 (Facility US National Grid Coordinates).

## eCad.103 - Number of Patients Transported in this EMS Unit

## Definition

The number of patients transported by this EMS crew and unit.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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

| Data Type       | minInclusive | maxInclusive |
|-----------------|--------------|--------------|
| positiveInteger | 1            | 100          |

## Data Element Comment

Added to document multiple patients being transported with the same vehicle and crew.

## Version 3 Changes Implemented

Added to document multiple patients being transported with the same vehicle and crew.



## eCad.104 - EMS Transport Method

## Definition

Transport method by this EMS Unit.

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

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

| Code    | Description                      |
|---------|----------------------------------|
| 4216001 | Air Medical-Fixed Wing           |
| 4216003 | Air Medical-Rotor Craft          |
| 4216005 | Ground-Ambulance                 |
| 4216007 | Ground-ATV or Rescue Vehicle     |
| 4216009 | Ground-Bariatric                 |
| 4216011 | Ground-Other Not Listed          |
| 4216013 | Ground-Mass Casualty Bus/Vehicle |
| 4216015 | Ground-Wheelchair Van            |
| 4216017 | Water-Boat                       |

## Data Element Comment

Required if the patient is transported by EMS.

## Version 3 Changes Implemented

Added to better describe Air and Ground Transport methods.

## eCad.105 - Transport Mode from Scene

## Definition

Indication whether the transport was emergent or non-emergent.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E20_14   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

| Code    | Description                         |
|---------|-------------------------------------|
| 4217001 | Emergent (Immediate Response)       |
| 4217003 | Emergent Downgraded to Non-Emergent |
| 4217005 | Non-Emergent                        |
| 4217007 | Non-Emergent Upgraded to Emergent   |

## Data Element Comment

Information now split between eDisposition.17 (Transport Mode from Scene) and eDisposition.18 (Additional Transport Mode Descriptors). Element eDisposition.18 (Additional Transport Mode Descriptors) has been added to document the use of lights and sirens or other descriptive information.

## eCad.106 - Additional Transport Mode Descriptors

## Definition

The documentation of transport mode techniques for this EMS response.

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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

## Code List

| Code    | Description  |
|---------|--|
| 4218001 | Intersection Navigation-Against Normal Light Patterns            |
| 4218003 | Intersection Navigation-With Automated Light Changing Technology |
| 4218005 | Intersection Navigation-With Normal Light Patterns               |
| 4218007 | Speed-Enhanced per Local Policy                                  |
| 4218009 | Speed-Normal Traffic   |
| 4218011 | Lights and Sirens  |
| 4218013 | Lights and No Sirens   |
| 4218015 | No Lights or Sirens  |
| 4218017 | Initial No Lights or Sirens, Upgraded to Lights and Sirens       |
| 4218019 | Initial Lights and Sirens, Downgraded to No Lights or Sirens     |

## Data Element Comment

Information now split between eDisposition.17 (Transport Mode from Scene) and eDisposition.18 (Additional Transport Mode Descriptors). Element eDisposition.18 (Additional Transport Mode Descriptors) has been added to document the use of lights and sirens or other descriptive information.

## eCad.107 - Type of Destination

## Definition

The type of destination the patient was delivered or transferred to

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| National Element  | No       | Pertinent Negatives (PN) | No    |
| State Element     | No       | NOT Values               | No    |
| Version 2 Element | E20_17   | Is Nillable              | No    |
| Usage             | Optional | Recurrence               | 0 : 1 |

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    Response    STEMI    Stroke    Trauma

## Code List

| Code    | Description                           |
|---------|---------------------------------------|
| 4221001 | Home                                  |
| 4221003 | Hospital-Emergency Department         |
| 4221005 | Hospital-Non-Emergency Department Bed |
| 4221007 | Medical Office/Clinic                 |
| 4221009 | Morgue/Mortuary                       |
| 4221011 | Nursing Home/Assisted Living Facility |
| 4221013 | Other (Not Listed)                    |
| 4221015 | Other EMS Responder (air)             |
| 4221017 | Other EMS Responder (ground)          |
| 4221019 | Police/Jail                           |
| 4221021 | Urgent Care                           |
| 4221023 | Freestanding Emergency Department     |

## Data Element Comment

Required if Patient Transported by EMS. ?Hospital-In Patient Bed? includes any location in the hospital except the Emergency Department. Choices include those in eDisposition.22 (Hospital In-Patient Destination).

## eCad.108 - Destination Team Pre-Arrival Activation

## Definition

Activation of the Destination Healthcare Facility Team prior to EMS arrival for acute ill or injured patient.

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

## Associated Performance Measure Initiatives

Cardiac Arrest    STEMI    Stroke    Trauma

## Code List

| Code    | Description          |
|---------|----------------------|
| 4224001 | No                   |
| 4224003 | Yes-Adult Trauma     |
| 4224005 | Yes-Cardiac Arrest   |
| 4224007 | Yes-Obstetrics       |
| 4224009 | Yes-Other            |
| 4224011 | Yes-Pediatric Trauma |
| 4224013 | Yes-STEMI            |
| 4224015 | Yes-Stroke           |
| 4224017 | Yes-Trauma (General) |

## Data Element Comment

## Version 3 Changes Implemented

Added to better document performance measure for acute time dependent illness and injury systems of care.

## eCad.109 - Date/Time of Destination Prearrival Activation

## Definition

Date/Time EMS Notified/Activated the Destination Healthcare Facility Team prior to EMS arrival for acute ill or injured patient.

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

## Associated Performance Measure Initiatives

Airway    Cardiac Arrest    Pediatric    STEMI    Stroke    Trauma

## Constraints

**Data Type**                      **minInclusive**                      **maxInclusive**  
 dateTime                      1950-01-01T00:00:00-00:00                      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}

## Data Element Comment

DateTime consists of finite-length characters of the form: yyyy '-' mm '-' dd 'T' hh ':' mm ':' ss ('.' s+)? (zzzzzz)

|        |   |
|--------|---|
| yyyy   | a four-digit numeral that represents the year                 |
| '-'    | separators between parts of the date portion                  |
| mm     | a two-digit numeral that represents the month                 |
| dd     | a two-digit numeral that represents the day                   |
| T      | separator that indicates time-of-day follows                  |
| hh     | a two-digit numeral that represents the hour                  |
| ':'    | a separator between parts of the time-of-day portion          |
| mm     | a two-digit numeral that represents the minute                |
| ss     | a two-integer-digit numeral that represents the whole seconds |
| '.' s+ | (not required) represents the fractional seconds              |
| zzzzzz | (required) represents the timezone (as described below)       |

Timezones, required, are durations with (integer-valued) hour and minute properties in the form: ('+' | '-') hh ':' mm

|     |  |
|-----|--|
| hh  | a two-digit numeral (with leading zeros as required) that represents the hours |
| mm  | a two-digit numeral that represents the minutes                                |
| '+' | a nonnegative duration   |
| '-' | a nonpositive duration   |

## Version 3 Changes Implemented

Added to better document performance measure for acute time dependent illness and injury systems of care.

# eCustomResults

|        |   |                      |                           |
|--------|---|----------------------|---------------------------|
| 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 |                      |                           |

| eCustomResults |   |   |         |
|----------------|---|---|---------|
| 0 : M          | eCustomResults.ResultsGroup   |   | C       |
| 1 : M          | eCustomResults.01 - Custom Data Element Result                          | M | N, L, P |
| 1 : 1          | eCustomResults.02 - Custom Element ID Referenced                        | M |         |
| 0 : 1          | eCustomResults.03 - CorrelationID of PatientCareReport Element or Group | O |         |
| eCustomResults |   |   |         |



## eCustomResults.01 - Custom Data Element Result

## Definition

The actual value or values chosen (if values listed in eCustomConfiguration.06) or result (free text, Date/Time, or number) documented for the Custom Data Element

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

## Attributes

**NOT Values (NV)****Pertinent Negatives (PN)****NV**

7701001 - Not Applicable

7701003 - Not Recorded

7701005 - Not Reporting

**PN**

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

## Constraints

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 1         | 100000    |

## 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.

## eCustomResults.02 - Custom Element ID Referenced

## Definition

References the CustomElementID attribute for eCustomConfiguration.CustomGroup

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

## Constraints

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

## Data Element Comment

## eCustomResults.03 - CorrelationID of PatientCareReport Element or Group

## Definition

References the CorrelationID attribute of an element or group in the PatientCareReport section

|                   |          |                          |       |
|-------------------|----------|--------------------------|-------|
| 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

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| string    | 0         | 255       |

## Data Element Comment

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