



# **Texas EMS Specific Submission Requirements for NEMSIS v3.3.4**

Version Date: December 22, 2016

## Introduction and Explanation

The Injury Epidemiology & Surveillance Branch at the Texas Department of State Health Services, which operates the Texas EMS & Trauma Registries, accepts every element within the NEMSIS version 3.3.4 (v3.3.4) standard. All information EMS professionals document with respect to activation, response, and care of the residents and visitors of Texas is desired. The national subset of elements is the baseline for all EMS activations.

This document is intended primarily for EMS software vendors. The purpose is to provide clarification regarding additional rules and requirements for documentation of the elements listed below. The NEMSIS v3.3.4 XML Schema Definition (XSD) will not change and will be used within the Texas EMS & Trauma Registries system. The information provided for each element below demonstrates what the schematron file will enforce.

The Texas EMS & Trauma Registries will use the national schematron rule file which addresses structural, business, and clinical content logic of documentation using the v3.3.4 standard.

These documented elements have Texas specific business rules beyond the national standard for linking purposes. The elements are considered Mandatory in the Texas EMS & Trauma Registries, and the submission of Nil, NOT, and Pertinent Negative values will not be accepted.

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# Business Rules

| ePatient.02 – Last Name          |                  |                          |     |
|----------------------------------|------------------|--------------------------|-----|
| Definition                       |                  |                          |     |
| The patient's last (family) name |                  |                          |     |
| National Element                 | No               | Pertinent Negatives (PN) | No  |
| State Element                    | Yes              | NOT Values               | No  |
| Version 2 Element                | E06_01           | Is Nillable              | No  |
| Usage                            | Mandatory        | Recurrence               | 1:1 |
| Constraints                      |                  |                          |     |
| <b>Data Type</b>                 | <b>minLength</b> | <b>maxLength</b>         |     |
| String                           | 1                | 50                       |     |
| Data Element Comment             |                  |                          |     |

**Texas Specific Requirements and Guidance:**

If patient contact is not made or the patient's name is not known, please enter "UNKNOWN"

| ePatient.03 – First Name         |           |                          |     |
|----------------------------------|-----------|--------------------------|-----|
| Definition                       |           |                          |     |
| The patient’s first (given) name |           |                          |     |
| National Element                 | No        | Pertinent Negatives (PN) | No  |
| State Element                    | Yes       | NOT Values               | No  |
| Version 2 Element                | E06_01    | Is Nillable              | No  |
| Usage                            | Mandatory | Recurrence               | 1:1 |
| Constraints                      |           |                          |     |
| Data Type                        | minLength | maxLength                |     |
| String                           | 1         | 50                       |     |
| Data Element Comment             |           |                          |     |

**Texas Specific Requirements and Guidance:**

If no patient contact is made, please enter "UNKNOWN"

| eScene.21 – Incident County                                                                                                                                                                              |                |                          |          |       |        |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|----------|-------|--------|--------|
| Definition                                                                                                                                                                                               |                |                          |          |       |        |        |
| The county or parish where the patient was found or to which the unit responded (or best approximation)                                                                                                  |                |                          |          |       |        |        |
| National Element                                                                                                                                                                                         | Yes            | Pertinent Negatives (PN) | No       |       |        |        |
| State Element                                                                                                                                                                                            | Yes            | NOT Values               | No       |       |        |        |
| Version 2 Element                                                                                                                                                                                        | E08_13         | Is Nillable              | No       |       |        |        |
| Usage                                                                                                                                                                                                    | Mandatory      | Recurrence               | 1:1      |       |        |        |
| 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)

#### **Texas Specific Requirements and Guidance:**

Incident County is mandatory and must be submitted for each record. Incident County is based on scene address.

| eSituation.02 – Possible Injury               |                |                          |          |       |        |        |
|-----------------------------------------------|----------------|--------------------------|----------|-------|--------|--------|
| Definition                                    |                |                          |          |       |        |        |
| Indication whether or not there was an injury |                |                          |          |       |        |        |
| National Element                              | Yes            | Pertinent Negatives (PN) | No       |       |        |        |
| State Element                                 | Yes            | NOT Values               | No       |       |        |        |
| Version 2 Element                             | E09_04         | Is Nillable              | No       |       |        |        |
| Usage                                         | Mandatory      | Recurrence               | 1:1      |       |        |        |
| Associated Performance Measure Initiatives    |                |                          |          |       |        |        |
| Airway                                        | Cardiac Arrest | Pediatric                | Response | STEMI | Stroke | Trauma |
| Code List                                     |                |                          |          |       |        |        |
| Code                                          | Description    |                          |          |       |        |        |
| 9922001                                       | No             |                          |          |       |        |        |
| 9922005                                       | Yes            |                          |          |       |        |        |
| Data Element Comment                          |                |                          |          |       |        |        |

**Texas Specific Requirements and Guidance:** “Unknown” was removed as an answer choice.

This data element provides documentation to classify the EMS Reason for Encounter as either injury or non-injury related based on mechanism and not on actual injury. eSituation.02 (Possible Injury), eSituation.09 (Primary Symptom), eSituation.07 (Chief Complaint Anatomic Location), and eSituation.08 (Chief Complaint Organ System) are grouped together to form the EMS Reason for Encounter.



# State Guidance

| dConfiguration.02 - State Certification/Licensure Levels                                          |                                                   |                          |     |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------|-----|
| Definition                                                                                        |                                                   |                          |     |
| All of the potential levels of certification/licensure for EMS personnel recognized by the state. |                                                   |                          |     |
| National Element                                                                                  | Yes                                               | Pertinent Negatives (PN) | No  |
| State Element                                                                                     | Yes                                               | NOT Values               | No  |
| Version 2 Element                                                                                 | D04_01                                            | Is Nillable              | No  |
| Usage                                                                                             | Mandatory                                         | Recurrence               | 1:M |
| Attributes                                                                                        |                                                   |                          |     |
| CorrelationID                                                                                     |                                                   |                          |     |
| Data Type: String    minLength: 0    maxLength: 255                                               |                                                   |                          |     |
| Code List                                                                                         |                                                   |                          |     |
| Code                                                                                              | Description                                       |                          |     |
| 9911001                                                                                           | 2009 Advanced Emergency Medical Technician (AEMT) |                          |     |
| 9911003                                                                                           | 2009 Emergency Medical Responder (EMR)            |                          |     |
| 9911005                                                                                           | 2009 Emergency Medical Technician (EMT)           |                          |     |
| <b>9911007</b>                                                                                    | <b>2009 Paramedic</b>                             |                          |     |
| 9911009                                                                                           | EMT-Basic                                         |                          |     |
| 9911011                                                                                           | EMT-Intermediate                                  |                          |     |
| 9911013                                                                                           | EMT-Paramedic                                     |                          |     |
| 9911015                                                                                           | First Responder                                   |                          |     |
| 9911017                                                                                           | Nurse DEPRECATED                                  |                          |     |
| 9911019                                                                                           | Other                                             |                          |     |
| 9911021                                                                                           | Physician                                         |                          |     |
| 9911023                                                                                           | Critical Care Paramedic                           |                          |     |
| 9911025                                                                                           | Community Paramedicine                            |                          |     |
| 9911027                                                                                           | Nurse Practitioner                                |                          |     |
| 9911029                                                                                           | Physician Assistant                               |                          |     |
| 9911031                                                                                           | Licensed Practical Nurse (LPN)                    |                          |     |
| 9911033                                                                                           | Registered Nurse                                  |                          |     |
| 9911001                                                                                           | 2009 Advanced Emergency Medical Technician (AEMT) |                          |     |
| 9911003                                                                                           | 2009 Emergency Medical Responder (EMR)            |                          |     |
| 9911005                                                                                           | 2009 Emergency Medical Technician (EMT)           |                          |     |
| Data Element Comment                                                                              |                                                   |                          |     |

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

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

**Texas Specific Requirements and Guidance:** All paramedics in Texas should use the above answer choice in **bold**.

| dConfiguration.03 - Procedures Permitted by the State                                      |              |                          |     |
|--------------------------------------------------------------------------------------------|--------------|--------------------------|-----|
| Definition                                                                                 |              |                          |     |
| A list of all of the procedures permitted by the EMS Agency's licensing state.             |              |                          |     |
| National Element                                                                           | Yes          | Pertinent Negatives (PN) | No  |
| State Element                                                                              | Yes          | NOT Values               | Yes |
| Version 2 Element                                                                          |              | Is Nillable              | Yes |
| Usage                                                                                      | Required     | Recurrence               | 1:M |
| Associated Performance Measure Initiatives                                                 |              |                          |     |
| Airway      Cardiac Arrest      Pediatric      Response      STEMI      Stroke      Trauma |              |                          |     |
| Attributes                                                                                 |              |                          |     |
| NOT Values (NV)                                                                            |              |                          |     |
| 7701001 – Not Applicable                      7701003 – Not Recorded                       |              |                          |     |
| CorrelationID                                                                              |              |                          |     |
| Data Type: String      minLength:0      maxLength:255                                      |              |                          |     |
| Constraints                                                                                |              |                          |     |
| Data Type                                                                                  | maxInclusive | minInclusive             |     |
| Integer                                                                                    | 1000000000   | 100000                   |     |
| Data Element Comment                                                                       |              |                          |     |

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

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

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

SNOMEDCT

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

Product: Product - UMLS Metathesaurus

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

**Texas Specific Requirements and Guidance:** The above options in **bold** are the preferred state answer.

**dConfiguration.04 - Medications Permitted by the State****Definition**

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

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

**Associated Performance Measure Initiatives**

Airway      Cardiac Arrest      Pediatric      Response      STEMI      Stroke      Trauma

**Attributes****NOT Values (NV)**

**7701001 – Not Applicable**      7701003 – Not Recorded

**CorrelationID**

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

**Constraints**

| Data Type | minLength | maxLength |
|-----------|-----------|-----------|
| String    | 2         | 7         |

**Data Element Comment**

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

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

**Version 3 Changes Implemented**

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

List of medications based on RxNorm (RXCU) code.

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

RxNorm

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

Product - UMLS Metathesaurus

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

Product - RxNorm Full Monthly Release

**Texas Specific Requirements and Guidance:** The above options in **bold** are the preferred state answer.

**dPersonnel.38 - EMS Professional's Practice Level****Definition**

The EMS certification level at which the individual is providing patient care services for the EMS agency.

|                   |                 |                          |     |
|-------------------|-----------------|--------------------------|-----|
| National Element  | No              | Pertinent Negatives (PN) | No  |
| State Element     | No              | NOT Values               | No  |
| Version 2 Element | D07_05          | Is Nillable              | No  |
| Usage             | <b>Optional</b> | Recurrence               | 0:1 |

**Code List**

| Code           | Description                                              |
|----------------|----------------------------------------------------------|
| <b>9925001</b> | <b>2009 Advanced Emergency Medical Technician (AEMT)</b> |
| <b>9925003</b> | <b>2009 Emergency Medical Responder (EMR)</b>            |
| <b>9925005</b> | <b>2009 Emergency Medical Technician (EMT)</b>           |
| <b>9925007</b> | <b>2009 Paramedic</b>                                    |
| 9925013        | First Responder                                          |
| 9925015        | EMT-Basic                                                |
| 9925017        | EMT-Intermediate                                         |
| 9925019        | EMT-Paramedic                                            |
| 9925021        | Nurse <b>DEPRECATED</b>                                  |
| <b>9925023</b> | <b>Other Healthcare Professional</b>                     |
| <b>9925025</b> | <b>Other Non-Healthcare Professional</b>                 |
| <b>9925027</b> | <b>Physician</b>                                         |
| <b>9925029</b> | <b>Respiratory Therapist</b>                             |
| <b>9925031</b> | <b>Student</b>                                           |
| 9925033        | Critical Care Paramedic                                  |
| 9925035        | Community Paramedicine                                   |
| <b>9925037</b> | <b>Nurse Practitioner</b>                                |
| 9925039        | Physician Assistant                                      |
| 9925041        | Licensed Practical Nurse (LPN)                           |
| 9925043        | Registered Nurse                                         |

**Data Element Comment**

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

**Texas Specific Requirements and Guidance:** The above options in **bold** are the preferred state answers.