

NEMESIS v3.3.4 Build 140328

Minor Revision Release, Change Log

The Official NEMESIS TAC March 2014 Annual Minor Revision
Release Change Log: Version 3.3.4 Build 140328

March 28, 2014

→ New updates to the change log are in [burnt umber underline](#)

Introduction / Overview

This change log represents minor revision changes made to the NEMESIS Version 3 standard based on the NEMESIS TAC Annual Minor Revision Policy. Suggested changes to the Version 3 standard were provided by EMS stakeholders, identified as major or minor, and included in the revisions if they were minor during 2013. [Changes identified in this change log include all changes from NEMESIS Version 3.3.3 to Version 3.3.4 Build 140328](#)

The NEMESIS Version 3.3.4 Build 140328 Change Log lists the revisions.

Revisions to the NEMESIS Version 3 standard are based on three primary changes:

1. Element Value Additions or Changes
2. Element Definition Updates
3. Element Comment Additions, Updates, or Removals

Additional revisions to the NEMESIS Version 3 Standard include:

1. Spelling corrections
2. XSD formatting

The addition of values (codes and descriptors) to elements have been made based on a shared CommonType or single SimpleType used by each element.

NEMESIS Overview and Summary Statement Updated with v3.3.4 Release

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

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XSD Files Impacted

NEMSIS Version 3.3.4 Candidate Release 1 XSD files with changes.

Please note: This does not mean the values within an element in a section did not change (e.g. eCrew XSD did not change, but the CommonType used for eCrew.02 did.).

File	Change (Yes / No)	File	Change (Yes / No)
CADDataset	No	eDisposition	Yes
DEMDataset	No	eExam	Yes
EMSDataset	No	eHistory	No
MedDeviceDataSet	Yes	eInjury	Yes
commonTypes	Yes	eLabs	Yes
dAgency	Yes	eMedDevice	Yes
dConfiguration	Yes	eMedications	Yes
dContact	Yes	eNarrative	No
dCustom	No	eOther	Yes
dDevice	No	eOutcome	Yes
dFacility	Yes	ePatient	Yes
dLocation	Yes	ePayment	Yes
dPersonnel	Yes	eProcedures	Yes
dState	No	eProtocols	Yes
dVehicle	No	eRecord	No
eAirway	No	eResponse	Yes
eArrest	Yes	eScene	Yes
eCAD	No	eSituation	Yes
eCrew	No	eState	No
eCustom	No	eTimes	No
eDevice	No	eVitals	Yes
eDispatch	Yes		

Changes to MedDeviceDataSet are identified as “Yes” because corresponding EMS (ePCR) elements were updated. No changes were made to the structure.

Deprecated Codes by Element

dAgency.11 - Level of Service

Code: 9917017 **Description:** Nurse

dConfiguration.02 - State Certification/Licensure Levels

Code: 9911017 **Description:** Nurse

dConfiguration.05 - Protocols Permitted by the State

Code: 9914039 **Description:** Exposure-Carbon Monoxide/Smoke Inhalation

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

Code: 9917017 **Description:** Nurse

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

Code: 9917017 **Description:** Nurse

dConfiguration.10 - EMS Agency Protocols

Code: 9914039 **Description:** Exposure-Carbon Monoxide/Smoke Inhalation

dVehicle.05 - Crew State Certification/Licensure Levels

Code: 9917017 **Description:** Nurse

dPersonnel.24 - EMS Personnel's State EMS Certification Licensure Level

Code: 9925021 **Description:** Nurse

dPersonnel.38 - EMS Professional's Practice Level

Code: 9925021 **Description:** Nurse

dFacility.04 - Hospital Designations

Code: 9908013 **Description:** STEMI
Code: 9908015 **Description:** STEMI Center (24/7)

eResponse.07 - Primary Role of the Unit

Code: 2207001 **Description:** Air Transport

eCrew.02 - Crew Member Level

Code: 9925021 **Description:** Nurse

ePayment.22 - Relationship to the Insured

Code: 2622007 **Description:** Other

eArrest.11 - First Monitored Arrest Rhythm of the Patient

Code: 3011003 **Description:** Bradycardia

eProtocols.01 - Protocols Used

Code: 9914039 **Description:** Exposure-Carbon Monoxide/Smoke Inhalation

eMedications.08 - Medication Complication

Code: 3708027 **Description:** Itching/Urticaria

eMedications.10 - Role/Type of Person Administering Medication

Code: 9905017 **Description:** Nurse

eProcedures.10 - Role/Type of Person Performing the Procedure

Code: 9905017 **Description:** Nurse

eDisposition.23 - Hospital Designation

Code: 9908013

Description: STEMI

Code: 9908015

Description: STEMI Center (24/7)

CommonTypes

SimpleType: ANSICountryCodesCAMXUS

Annotation Spelling

Old: ANSI Codes for USA, Mexico, and Canda

New: ANSI Codes for USA, Mexico, and Canada

SimpleType: StateCertificationLicensureLevels

Codes Added

Code: 9917025	Description: Nurse Practitioner
Code: 9917027	Description: Physician Assistant
Code: 9917029	Description: <u>Licensed Practical Nurse (LPN)</u>
Code: 9917031	Description: Registered Nurse

Elements Affected:

dAgency.11 - Level of Service
dConfiguration.06 - EMS Certification Levels Permitted to Perform Each Procedure
dConfiguration.08 - EMS Certification Level Permitted to Administer Each Medication
dVehicle.05 - Crew State Certification/Licensure Levels

SimpleType: LicensureLevels

Codes Added

Code: 9911027	Description: Nurse Practitioner
Code: 9911029	Description: Physician Assistant
Code: 9911031	Description: <u>Licensed Practical Nurse (LPN)</u>
Code: 9911033	Description: Registered Nurse

Elements Affected:

dConfiguration.02 - State Certification Licensure Levels

SimpleType: MemberLevel

Codes Added

Code: 9925037	Description: Nurse Practitioner
Code: 9925039	Description: Physician Assistant
Code: 9925041	Description: <u>Licensed Practical Nurse (LPN)</u>
Code: 9925043	Description: Registered Nurse

Elements Affected:

dPersonnel.24 - EMS Personnel's State EMS Certification Licensure Level
dPersonnel.38 - EMS Professional's Practice Level
eCrew.02 - Crew Member Level

SimpleType: EMSCaregiverLevel

Codes Added

Code: 9905035	Description: Nurse Practitioner
Code: 9905037	Description: Physician Assistant
Code: 9925039	Description: <u>Licensed Practical Nurse (LPN)</u>
Code: 9925041	Description: Registered Nurse

Elements Affected:

eMedications.10 - Role/Type of Person Administering Medication
eProcedures.10 - Role/Type of Person Performing the Procedure

SimpleType: CommonDataType

Code Added

Code: 9902011	Description: Boolean
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Elements Affected:

eCustomConfiguration.03
dCustomConfiguration.03

SimpleType: ProtocolsUsed

Codes Added

Code: 9914167	Description: Exposure-Carbon Monoxide
Code: 9914169	Description: Cardiac Arrest-Do Not Resuscitate
Code: 9914171	Description: Cardiac Arrest-Special Resuscitation Orders
Code: 9914173	Description: Exposure-Smoke Inhalation
Code: 9914175	Description: General-Community Paramedicine / Mobile Integrated Healthcare
Code: 9914177	Description: General-Exception Protocol
Code: 9914179	Description: General-Extended Care Guidelines
Code: 9914181	Description: General-Interfacility Transfers
Code: 9914183	Description: General-Law Enforcement - Blood for Legal Purposes

Code: 9914185	Description: General-Law Enforcement - Assist with Law Enforcement Activity
Code: 9914187	Description: General-Neglect or Abuse Suspected
Code: 9914189	Description: General-Refusal of Care
Code: 9914191	Description: Injury-Mass/Multiple Casualties
Code: 9914193	Description: Injury-Thoracic
Code: 9914195	Description: Medical-Adrenal Insufficiency
Code: 9914197	Description: Medical-Apparent Life Threatening Event (ALTE)
Code: 9914199	Description: Medical-Tachycardia

Elements Affected:

dConfiguration.05 - Protocols Permitted by the State
dConfiguration.10 - EMS Agency Protocols
eProtocols.01 - Protocols Used

SimpleType: HospitalDesignation

Codes Added

Code: 9908031	Description: Cardiac-STEMI/PCI Capable
Code: 9908033	Description: Cardiac-STEMI/PCI Capable (24/7)
Code: 9908035	Description: Cardiac-STEMI/Non-PCI Capable

Elements Affected:

dFacility.04 - Hospital Designations
eDisposition.23 - Hospital Designation

SimpleType: StateCertificationLicensureLevels

Codes Definition Modified

Code: 9917005	Old Description: <u>2009 Emergency Medical Technician</u>
	New Description: <u>2009 Emergency Medical Technician (EMT)</u>

Elements Affected:

dAgency.11 - Level of Service
dConfiguration.06 - EMS Certification Levels Permitted to Perform Each Procedure
dConfiguration.08 - EMS Certification Level Permitted to Administer Each Medication
dVehicle.05 - Crew State Certification/Licensure Levels

SimpleType: LicensureLevels

Codes Definition Modified

Code: 9911005

Old Description: 2009 Emergency Medical Technician

New Description: 2009 Emergency Medical Technician (EMT)

Elements Affected:

dConfiguration.02 - State Certification Licensure Levels

SimpleType: EMSCaregiverLevels

Codes Definition Modified

Code: 9905013

Old Description: EMT-Paramedic (Based on pre-2009 Curriculum)

New Description: EMT-Paramedic

Elements Affected:

eMedications.10 - Role/Type of Person Administering Medication

eProcedures.10 - Role/Type of Person Performing the Procedure

SimpleType: ImmunizationType

Codes Definition Modified

Code: 9910005

Old Description: DPT (Diphtheria, Tetanus, Pertussis)

New Description: DPT (Diphtheria, Pertussis, Tetanus)

Elements Affected:

dPersonnel.18 – EMS Personnel’s Immunization Status

eHistory.10 - The Patient's Type of Immunization

Minor Typographical / Formatting

Comment Formatting

Old: <div style="font-size:4px">&nbsp;</div>

New:

Elements Affected:

eOutcome.02 - Hospital Disposition
eProtocols.01 - Protocols Used
eScene.08 - Triage Classification for MCI Patient

Comment Formatting

Old: <div style="font-size:3px">&nbsp;</div>

New:

Elements Affected:

eOutcome.01 - Emergency Department Disposition

Comment Formatting

Old: <div style="font-size:6px">&nbsp;</div>

New:

Elements Affected:

dConfiguration.10 - EMS Agency Protocols

eSituation.09 – Primary Symptom

Comment Spelling Fix

SimpleType: FacilityCode

Documentation Spelling Fix

SimpleType: AuthorizationCode

Documentation Spelling Fix

SimpleType: FacilityCode

Documentation Spelling Fix

SimpleType: NeckAssessment

Documentation Spelling Fix

SimpleType: SignatureStatus

Documentation Spelling Fix

Spelling Fix: ImmunizationType

Code: 9910039

Old: Shingle

New: Shingles

Elements Affected:

eHistory.10 - The Patient's Type of Immunization

dPersonnel.18 - EMS Personnel's Immunization Status

SimpleType: SignatureStatus

Documentation Spelling Fix

eVitals.30 – Stroke Scale Type

Spelling Fix

Code: 3330011

Description: Other Stroke Scale Type

dAgency

dAgency.05 – Agency Service Area States

Comment Change

Old: Element added to document all of the states in which the EMS agency provides services. Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

New: Each state is captured as a group where the EMS agency provides service. The group includes dAgency.05, dAgency.06, dAgency.07, and Agency.08.

Element added to document all of the states in which the EMS agency provides services. Each state listed is associated with the counties, census tracts, and ZIP codes within the EMS Agency Service Area for each state.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dAgency.25 – National Provider Identifier

Definition Change

Old: The National Provider Identifier associated with National Provider System (NPS) and used in all standard HIPPA transactions such as electronic claim filing.

New: The National Provider Identifier issued by CMS.

New Comment

New: Only EMS Agencies billing for service will have an NPI number.

CMS (Centers for Medicare and Medicaid Services) NPI Registry lookup:
<https://npiregistry.cms.hhs.gov/NPPESRegistry/NPIRegistryHome.do>

dConfiguration

dConfiguration.02 – State Certification Licensure Levels

Name change

Old: State Certification Licensure Levels

New: State Certification/Licensure Levels

dConfiguration.07 – EMS Agency Procedures

Comment Change

Old: This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different capabilities. Each procedure is associated with the EMS professional certification levels permitted to perform the procedure.

EMS Agencies may identify additional SNOMEDCT procedure codes based on medical direction and their own need. If an agency resides in a state with statewide approved procedures, they should be listed/implemented here.

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

SNOMEDCT

Website: 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.

New: This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different capabilities. Each procedure is associated with the EMS professional certification levels permitted to perform the procedure.

EMS Agencies may identify additional SNOMEDCT procedure codes based on medical direction and their own need. If an agency resides in a state with statewide approved procedures, they should be listed/implemented here.

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

Product: Product - UMLS Metathesaurus

dConfiguration.09 – EMS Agency Medications

Comment Change

Old: The medication list is stored as the RxNorm (RXCU) Code. This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different capabilities.

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.

List of medications based on RxNorm (RXCU) code. Reference the NEMESIS 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

New: The medication list is stored as the RxNorm (RXCU) Code. This is associated with the EMS Agency Number (dAgency.02) since each EMS Agency Number may have different capabilities.

List of medications based on RxNorm (RXCU) code. Reference the NEMESIS 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

dConfiguration.08 – EMS Certification Level Permitted to Administer Each Medication

Name Change

Old: dConfiguration.08 - EMS Certification Level Permitted to Administer Each Medication

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

dConfiguration.17 – Dispatch Center (CAD) Name or ID

Definition Change

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

New: The name or ID of the dispatch center (Primary or Secondary Service Answering Point - PSAP) that dispatches the EMS agency.

dContact

dContact.06 – Agency Contact City

Definition Change

Old: The city of the Agency contact's mailing address.

New: The city of the EMS agency contact's mailing address.

Comment Change

Old: The address for the director/chief/lead administrator/CEO/ should be the main address for the EMS agency.

Based on GNIS Civil Code or Populated Place code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

New: The city should be the mailing address for each contact type for the EMS agency. The EMS agency primary address information (e.g. City) should be entered for the Agency Contact Type (dContact.05) "EMS Agency Director/Chief/Lead Administrator/CEO".

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

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dContact.12 – EMS Agency Contact Web Address

Comment Change

Old: The address for the director/chief/lead administrator/CEO/ should be the main address for the EMS agency.

Zip Codes Product Website:

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

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

New: The EMS agency website address should be entered for the Agency Contact Type (dContact.05) "EMS Agency Director/Chief/Lead Administrator/CEO". The EMS agency website address or other websites are optional for other contact types (e.g. Administrative Assistant, EMS Medical Director, etc.).

dFacility

dFacility.04 – Hospital Designations

Removed Comment

dFacility.08 – Facility City

Definition Change

Old: The city where the facility is located.

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

Comment Change

Old: Based on GNIS Civil Code or Populated Place code. The information contained within this element could be used to populate the address information within eScene.17 (Incident City) and/or eDisposition.04 (Destination City) as appropriate.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

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

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

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dLocation

dLocation.07 - EMS Location City

Definition Change

Old: The city of the EMS Location.

New: The city of the EMS location type (e.g. fixed station, sub-station, staging area, etc).

Comment Change

Old: Based on GNIS Civil Code or Populated Place code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

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

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dPersonnel

dPersonnel.05 - EMS Personnel's City of Residence

Comment Change

Old: Based on GNIS Civil Code or Populated Place code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

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

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dPersonnel.34 - EMS Personnel's Primary EMS Job Role

Comment Change

Old: This is a single choice data element which should reflect the EMS Personnel's primary/main job role for which he/she functions. It is understood that most EMS personnel perform more than one role as a part of their position. Other roles should be documented in dPersonnel.36 (EMS Personnel's Other Job Responsibilities).

New: This is a single choice data element which should reflect the EMS Personnel's primary/main job role for which he/she functions. It is understood that most EMS personnel perform more than one role as a part of their position. Other roles should be documented in [dPersonnel.35](#) (EMS Personnel's Other Job Responsibilities).

dState

dState.01 – State Required Element

Comment Added

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

eArrest

eArrest.01 – Cardiac Arrest

Definition Change

Old: Indication of the presence of a cardiac arrest at any time.

New: Indication of the presence of a cardiac arrest at any time during this EMS event.

Comment Change

Old: This element is a component of the Utstein Cardiac Arrest Criteria.

New: This element is a component of the Utstein Cardiac Arrest Criteria.

If this EMS event is for an interfacility transfer of a patient with a recent history of a cardiac arrest with ROSC, and who does not experience another cardiac arrest during transport, then do not document Cardiac Arrest (eArrest.01) with "Yes, Prior to EMS Arrival".

eArrest.12 – Any Return of Spontaneous Circulation

Comment Change

Old: This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".

<http://circ.ahajournals.org/cgi/content/full/110/21/3385>

This element needs to be documented when the patient has been in cardiac or respiratory arrest and transported to a healthcare facility to show the change in patient condition, if any. The cardiac rhythm list has been updated to be the same for eVitals.03 (Cardiac Rhythm Electrocardiography (ECG)). They are using the common type: CardiacRhythm. ST segment changes consistent (or not consistent) with STEMI criteria should be documented as Ischemia in the appropriate location

New: This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".

<http://circ.ahajournals.org/cgi/content/full/110/21/3385>

This element needs to be documented when the patient has been in cardiac arrest and transported to a healthcare facility to show the change in patient condition, if any.

Any ROSC is defined as any brief (approximately >30 seconds) restoration of spontaneous circulation that provides evidence of more than an occasional gasp, occasional fleeting palpable pulse, or arterial waveform.

eArrest.18 – End of EMS Cardiac Arrest Event

Comment Change

Old: A resuscitation event is deemed to have ended when death is declared or spontaneous circulation is restored and sustained for 20 minutes or longer.

This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".

<http://circ.ahajournals.org/cgi/content/full/110/21/3385>

New: This element is a component of the Utstein Cardiac Arrest Criteria as identified in the American Heart Association journal "Resuscitation" from 2004 entitled "Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports".

<http://circ.ahajournals.org/cgi/content/full/110/21/3385>

Codes Added

Code: 3018007

Description: ROSC in the Field

Code: 3018009

Description: ROSC in the ED

Code: 3018011

Description: Ongoing Resuscitation by Other EMS

eCad

eCad.53 –Last Name

Comment Removed

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

eCad.54 –First Name

Comment Removed

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

eCustomResults

eCustomResults.01 - Custom Data Element Result

Definition Change

Old: The actual value or values chosen (if values listed in dCustomConfiguration.06) or result (free text,

Date/Time, or number) documented for the Custom Data Element

New: 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

eExam

eExam.04 - Skin Assessment

New Comment

New: Element eExam.04 - Skin Assessment represents Version 2.2.1 elements E15_01 NHTSA Injury Matrix External/Skin and E16_04 Skin Assessment. The element value choices have been combined and expanded.

eExam.05 - Head Assessment

New Comment

New: Element eExam.05 - Head Assessment represents Version 2.2.1 elements E15_02 NHTSA Injury Matrix Head and E16_05 Head/Face Assessment. The element value choices have been combined and expanded.

eExam.06 - Face Assessment

New Comment

New: Element eExam.06 - Face Assessment represents Version 2.2.1 element E15_03 NHTSA Injury Matrix Face The element value choices have been expanded.

eExam.07 - Neck Assessment

New Comment

New: Element eExam.07 - Neck Assessment represents Version 2.2.1 elements E15_04 NHTSA Injury Matrix Neck and E16_06 Neck Assessment. The element value choices have been combined and expanded.

eExam.08 - Chest/Lungs Assessment

New Comment

New: Element eExam.08 - Chest/Lungs Assessment represents Version 2.2.1 element E16_07 Chest/Lungs Assessment. The element value choices have been expanded.

eExam.09 - Heart Assessment

New Comment

New: Element eExam.09 - Heart Assessment represents Version 2.2.1 element E16_08 Heart Assessment. The element value choices have been expanded.

eExam.10 - Abdominal Assessment Finding Location

New Comment

New: Element eExam.10 - Abdominal Assessment Finding Location represents Version 2.2.1 elements E15_06 NHTSA Injury Matrix Abdomen AND E16_09 Abdomen Left Upper Assessment, E16_10 Abdomen Left Lower Assessment, E16_11 Abdomen Right Upper Assessment, and E16_12 Abdomen Right Lower Assessment. The element value choices have been combined and expanded.

eExam.11 - Abdomen Assessment

New Comment

New: Element eExam.11 - Abdomen Assessment represents Version 2.2.1 elements E15_06 NHTSA Injury Matrix Abdomen AND E16_09 Abdomen Left Upper Assessment, E16_10 Abdomen Left Lower Assessment, E16_11 Abdomen Right Upper Assessment, and E16_12 Abdomen Right Lower Assessment. The element value choices have been combined and expanded.

eExam.12 - Pelvis/Genitourinary Assessment

New Comment

New: Element eExam.12 - Pelvis/Genitourinary Assessment represents Version 2.2.1 elements E15_09 NHTSA Injury Matrix Pelvis and E16_13 GU Assessment. The element value choices have been combined and expanded.

eExam.13 - Back and Spine Assessment Finding Location

New Comment

New: Element eExam.14 - Back and Spine Assessment represents Version 2.2.1 NHTSA Injury Matrix elements E15_07 Spine and E15_05 Thorax AND AND E16_14 Back Cervical Assessment, E16_15 Back Thoracic Assessment, and E16_16 Back Lumbar/Sacral Assessment. The element value choices have been combined and expanded.

eExam.14 - Back and Spine Assessment

New Comment

New: Element eExam.14 - Back and Spine Assessment represents Version 2.2.1 NHTSA Injury Matrix elements E15_07 Spine and E15_05 Thorax AND E16_14 Back Cervical Assessment, E16_15 Back Thoracic Assessment, and E16_16 Back Lumbar/Sacral Assessment. The element value choices have been combined and expanded.

eExam.15 - Extremities Assessment Finding Location

New Comment

New: Element eExam.16 - Extremities Assessment represents Version 2.2.1 NHTSA Injury Matrix elements E15_08 Upper Extremities and E15_10 Lower Extremities AND E16_17 Extremities-Right Upper Assessment, E16_18 Extremities-Right Lower Assessment, E16_19 Extremities-Left Upper Assessment, and E16_20 Extremities-Left Lower Assessment. The element value choices have been combined and expanded.

eExam.16 - Extremities Assessment

New Comment

New: Element eExam.16 - Extremities Assessment represents Version 2.2.1 NHTSA Injury Matrix elements E15_08 Upper Extremities and E15_10 Lower Extremities AND E16_17 Extremities-Right Upper Assessment, E16_18 Extremities-Right Lower Assessment, E16_19 Extremities-Left Upper Assessment, and E16_20 Extremities-Left Lower Assessment. The element value choices have been combined and expanded.

eExam.17 - Eye Assessment Finding Location

New Comment

New: Element eExam.17 - Eye Assessment Finding Location represents Version 2.2.1 elements E16_21 Eyes-Left Assessment and E16_22 Eyes-Right Assessment. The eye location value choices have been expanded.

eExam.18 - Eye Assessment

New Comment

New: Element eExam.18 - Eye Assessment represents Version 2.2.1 elements E16_21 Eyes-Left Assessment and E16_22 Eyes-Right Assessment. The eye assessment value choices have been combined and expanded.

eExam.19 - Mental Status Assessment

New Comment

New: Element eExam.19 - Mental Status Assessment represents Version 2.2.1 element E16_23 Mental Status Assessment. The element value choices have been expanded.

eExam.20 - Neurological Assessment

New Comment

New: Element eExam.20 - Neurological Assessment represents Version 2.2.1 element E16_24 Neurological Assessment. The element value choices have been expanded.

Codes Added

Code: 3520047

Description: Reported Stroke Symptoms Resolved Prior to EMS Arrival

Code: 3520049

Description: Reported Stroke Symptoms Resolved in EMS Presence

eDispatch

eDispatch.01 – Complaint Reported by Dispatch

Code Added

Code: 2301083 **Description:** Airmedical Transport

Comment Change

Old: 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

New: Added Pandemic/Epidemic/Outbreak.
Added Automated Crash Notification
Added Healthcare Professional Admission
Added Transfer/Interfacility/Palliative Care
- Other entries expanded based on current national EMD Dispatch List

eDispatch.05 – Dispatch priority (Patient Acuity)

Comment Addition

Added: For Air Medical Transports the most appropriate values choices should be limited to two: Emergent ([Priority 2](#)) and Non-Emergent (Priority 4)

eDisposition

eDisposition.04 – Destination City

Definition Change

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

New: The city of the destination the patient was delivered or transferred to (physical address).

Comment Change

Old: 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

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

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

eDisposition.12 - Incident/Patient Disposition

Code Definition Updates

Code: 4212009 **Old Description:** No Patient Contact (Canceled on Scene)
New Description: Canceled on Scene (No Patient Contact)

Code: 4212011 **Old Description:** No Patient Found (Canceled on Scene)
New Description: Canceled on Scene (No Patient Found)

Code: 4212031 **Old Description:** Patient Treated, Transferred Care to Another EMS Professional
New Description: Patient Treated, Transferred Care to Another EMS Unit

Code: 4212033 **Old Description:** Patient Treated, Transported by EMS
New Description: Patient Treated, Transported by this EMS Unit

Code: 4212043 **Old Description:** Transport of Body Parts or Organs Only
New Description: Transport Non-Patient, Organs, etc.

eDisposition.18 – Additional Transport Mode Descriptors

Codes Added

Code: 4218011	Description: Lights and Sirens
Code: 4218013	Description: Lights and No Sirens
Code: 4218015	Description: No Lights or Sirens
Code: 4218017	Description: Initial No Lights or Sirens, Upgraded to Lights and Sirens
Code: 4218019	Description: Initial Lights and Sirens, Downgraded to No Lights or Sirens

eDisposition.21 – Type of Destination

Codes Added

Code: 4221021	Description: Urgent Care
Code: 4221023	Description: Freestanding Emergency Department

eDisposition.23 – Hospital Designation

Definition Change

- Old:** The designation associated with the hospital for this transport(e.g. Trauma, STEMI, Peds, etc)
- New:** The primary hospital capability associated with the patient's condition for this transport (e.g. Trauma, STEMI, Peds, etc).

eDisposition.24 –Destination Team Pre-Arrival Activation

Element Name Change

- Old:** Destination Team Pre-Arrival Activation
- New:** Destination Team Pre-Arrival Alert or Activation

Definition Change

- Old:** Activation by EMS of the appropriate destination healthcare facility team. The activation should occur prior to the EMS Unit arrival at the destination with the patient.
- New:** Indication that an alert (or activation) was called by EMS to the appropriate destination healthcare facility team. The alert (or activation) should occur prior to the EMS Unit arrival at the destination with the patient.

Code Added

Code: 4224017 **Description:** Yes-Trauma (General)

eDisposition.25 – Date/Time of Destination Prearrival Activation

Element Name Change

Old: Date/Time of Destination Prearrival Activation

New: Date/Time of Destination Prearrival Alert or Activation

Definition Change

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

New: The Date/Time EMS alerted, notified, or activated the Destination Healthcare Facility prior to EMS arrival. The EMS assessment identified the patient as acutely ill or injured based on exam and possibly specified alert criteria.

eInjury

eInjury.04 - Vehicular, Pedestrian, or Other Injury Risk Factor

Definition Change

- Old:** The kind of risk factor predictors present at the incident
- New:** Field Triage Criteria for transport to a trauma center as defined by the Centers for Disease Control and Prevention and the American College of Surgeons-Committee on Trauma.

Comment Change

- Old:** Added additional mechanism or risk indicators based on CDC 2011 Guidelines for the Field Triage of Injured Patients Step 3.
- New:** Assesses mechanism of injury and evidence of high-energy impact (Step 3) AND Assess special patient or system considerations (Step 4) based on CDC 2011 Guidelines for the Field Triage of Injured Patients Step 3 and 4. Website: <http://www.cdc.gov/FieldTriage/>.

Codes Added

- | | |
|----------------------|---|
| Code: 2904017 | Description: SBP < 110 for age > 65 |
| Code: 2904019 | Description: Anticoagulants and Bleeding Disorders |
| Code: 2904021 | Description: Pregnancy > 20 weeks |
| Code: 2904023 | Description: EMS Provider Judgment |

eLabs

eLabs.03 –Laboratory Result Type

Codes Added

Code: 3403089	Description: Ammonia
Code: 3403091	Description: Bicarbonate (HCO ₃)
Code: 3403093	Description: Carboxyhemoglobin
Code: 3403095	Description: CO ₂ , Total (Bicarbonate)
Code: 3403097	Description: CRP (C-Reactive Protein)
Code: 3403099	Description: Dilantin
Code: 3403101	Description: Leukocytes
Code: 3403103	Description: Nitrates
Code: 3403105	Description: Phenobarbital
Code: 3403107	Description: Protein
Code: 3403109	Description: Salicylate
Code: 3403111	Description: Specific Gravity
Code: 3403113	Description: Tylenol

eMedDevice

eMedDevice.11 – (ePatient.02) Last Name

Comment Removed

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

eMedDevice.12 – (ePatient.03) First Name

Comment Removed

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

eMedications

eMedications.08 – Medication Complications

Codes Added

Code: 3708043

Description: Itching

Code: 3708045

Description: Urticaria

eOther

eOther.13 – Signature Reason

Codes Added

Code: 4513009	Description: Refusal of Care
Code: 4513011	Description: Controlled Substance, Administration
Code: 4513013	Description: Controlled Substance, Waste
Code: 4513015	Description: Airway Verification
Code: 4513017	Description: Patient Belongings (Receipt)
Code: 4513019	Description: Permission to Transport
Code: 4513021	Description: Refusal of Transport
Code: 4513023	Description: Other

ePatient

ePatient.05 – Patient's Home Address

Definition Change

Old: The patient's home mailing or street address

New: Patient's address of residence

ePatient.06 – Patient's Home City

Definition Change

Old: The patient's home city or township or residence

New: The patient's primary city or township of residence.

Comment Change

Old: Based on GNIS Civil Code or Populated Place code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

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

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

ePatient.07 – Patient's Home County

Definition Change

Old: The patient's home county or parish or residence

New: The patient's home county or parish of residence.

ePatient.08 – Patient's Home State

Definition Change

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

New: The state, territory, or province where the patient resides.

ePatient.09 – Patient's Home ZIP Code

Definition Change

Old: The patient's home ZIP code of residence

New: The patient's ZIP code of residence.

ePatient.10 – Patient's Home Country

Definition Change

Old: The country in which the patient lives.

New: The country of residence of the patient.

ePayment

ePayment.01 – Primary Method of Payment

New Codes

Code: 2601015	Description: Payment by Facility
Code: 2601017	Description: Contracted Payment
Code: 2601019	Description: Community Network
Code: 2601021	Description: No Insurance Identified
Code: <u>2601023</u>	Description: Other Payment Option

ePayment.05 – Healthcare Provider Type Signing Physician Certification Statement

New Comment

New: CMS defines the individual signing the PCS as a person who has personal knowledge of the beneficiary's condition at the time the ambulance transport is ordered or the service is furnished.

ePayment.09 – Insurance Company ID

New Comment

New: This element should be used as the Health Plan ID (HPID) field in X12. It is currently under development for X12 and will be a future release.

ePayment.11 – Insurance Company Billing Priority

New Codes

Code: 2611007	Description: Tertiary
Code: 2611009	Description: Payer Responsibility Four
Code: 2611011	Description: Payer Responsibility Five
Code: 2611013	Description: Payer Responsibility Six
Code: 2611015	Description: Payer Responsibility Seven
Code: 2611017	Description: Payer Responsibility Eight
Code: 2611019	Description: Payer Responsibility Nine
Code: 2611021	Description: Payer Responsibility Ten
Code: 2611023	Description: Payer Responsibility Eleven
Code: 2611025	Description: Unknown

ePayment.13 – Insurance Company City

Definition Change

Old: The insurance company's city or township

New: The insurance company's city or township used for mailing purposes.

Comment Change

Old: Based on GNIS Civil Code or Populated Place code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

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

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

ePayment.22 – Relationship to the Insured

New Codes

Code: 2622009	Description: Cadaver Donor
Code: 2622011	Description: Employee
Code: 2622013	Description: Life/Domestic Partner
Code: 2622015	Description: Organ Donor
Code: 2622017	Description: Unknown
Code: 2622019	Description: Other Relationship

New Comment

New: Descriptors are consistent with X12 Loop 2000C PAT01, Specifies the patient's relationship to the person insured.

ePayment.26 – Closest Relative/ Guardian Street Address

Definition Change

Old: The home street address of the patient's closest relative or guardian.

New: The street address of the residence of the patient's closest relative or guardian.

ePayment.27 – Closest Relative/ Guardian City

Definition Change

Old: The home city of the patient's closest relative or guardian.

New: The primary city or township of residence of the patient's closest relative or guardian.

Comment Change

Old: Based on GNIS Civil Code or Populated Place code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

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

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

ePayment.28 – Closest Relative/ Guardian State

Definition Change

Old: The home state of the patient's closest relative or guardian

New: The state of residence of the patient's closest relative or guardian.

ePayment.29 – Closest Relative/Guardian ZIP Code

Definition Change

Old: The home ZIP Code of the patient's closest relative or guardian

New: The ZIP Code of the residence of the patient's closest relative or guardian.

ePayment.30 – Closest Relative/Guardian Country

Definition Change

Old: The home country of the patient's closest relative or guardian

New: The country of residence of the patient's closest relative or guardian.

ePayment.32 – Closest Relative/ Guardian Relationship

New Codes

Code: 2632017	Description: Employee
Code: 2632019	Description: Life/Domestic Partner
Code: 2632021	Description: Unknown

ePayment.35 – Patient's Employer's City

Definition Change

Old: The city of the patient's employer

New: The city or township of the patient's employer used for mailing purposes.

Comment Change

Old: Based on GNIS Civil Code or Populated Place Code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

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

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

ePayment.46 – Stretcher Purpose Description

Definition Change

Old: Added to improve billing using CMS X12 transactions based on CR110. Ambulance providers can use this field to provide additional information regarding the patient's condition that warranted the use of a stretcher or for other medical necessity documentation.

New: Added to improve billing using CMS X12 transactions based on CR110. Documentation of Stretcher Purpose Description (ePayment.46) is required when needed to justify use of a stretcher. (X12 - Loop 2300 CR110).

Removed “Version 3 Changes Implemented” Comment

Old: Added to improve billing with electronic claims using X12

ePayment.42 –Specialty Care Transport Care Provider

New Codes

Code: 2642011	Description: 2009 Emergency Medical Responder (EMR)
Code: 2642013	Description: 2009 Emergency Medical Technician (EMT)
Code: 2642015	Description: 2009 Advanced Emergency Medical Technician (AEMT)
Code: 2642017	Description: 2009 Paramedic
Code: 2642019	Description: First Responder
Code: 2642021	Description: EMT-Basic
Code: 2642023	Description: EMT-Intermediate
Code: 2642025	Description: EMT-Paramedic
Code: 2642027	Description: Other Healthcare Professional
Code: 2642029	Description: Other Non-Healthcare Professional
Code: 2642031	Description: Respiratory Therapist
Code: 2642033	Description: Student
Code: 2642035	Description: Critical Care Paramedic
Code: 2642037	Description: Community Paramedicine
Code: 2642039	Description: Registered Nurse

eProcedures

eProcedures.07 – Procedure Complication

New Code

Code: 3907047 **Description:** Bradycardia

eProcedures.10 – Role/Type of Person Performing the Procedure

v3Changes Update

Code: 3913035 **Old Description:** Added to document the type of healthcare professional administering the medication.

New Description: Added to document the type of healthcare professional performing the procedure.

eProcedures.13 – Vascular Access Location

Code Description Update

Code: 3913035 **Old Description:** IO-Femoral-Right Distal IO
New Description: IO-Femoral-Right Distal

New Codes

Code: 3913071 **Description:** Upper Arm-Left
Code: 3913073 **Description:** Upper Arm-Right
Code: 3913075 **Description:** Radial-Left
Code: 3913077 **Description:** Radial-Right

eResponse

eResponse.07 – Primary Role of the Unit

New Codes

Code: 2207011	Description: Air Transport-Helicopter
Code: 2207013	Description: Air Transport-Fixed Wing

eResponse.09 – Type of Response Delay

New Codes

Code: 2209031	Description: Mechanical Issue-Unit, Equipment, etc
Code: 2209033	Description: Flight Planning

eResponse.10 – Type of Scene Delay

New Code

Code: 2210039	Description: Mechanical Issue-Unit, Equipment, etc
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eResponse.11 – Type of Transport Delay

New Code

Code: 2211031	Description: Patient Condition Change (e.g. Unit Stopped)
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eResponse.12 – Type of Turn-Around Delay

New Code

Code: 2212033	Description: EMS Crew Accompanies Patient for Facility Procedure
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eResponse.16 – Vehicle Dispatch Location

Comment Change

Old: 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

New: 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

eResponse.24 – Additional Response Mode Descriptors

New Codes

Code: 2224015	Description: Lights and Sirens
Code: 2224017	Description: Lights and No Sirens
Code: 2224019	Description: No Lights or Sirens
Code: 2224021	Description: Initial No Lights or Sirens, Upgraded to Lights and Sirens
Code: 2224023	Description: Initial Lights and Sirens, Downgraded to No Lights or Sirens

eState

eState.01 – State Required Element

Comment Added

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

eScene

eScene.17 – Incident City

Comment Change

Old: Based on GNIS Civil Code or Populated Place code.

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

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

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

GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

eVitals

eVitals.04 – ECG Type

Code: 3304015

Old Description: Other (Not Listed)

New Description: Other (AED, Not Listed)

eVitals.16 – Carbon Dioxide (CO2)

Definition Change

Old: The patient's end-tidal or other CO2 level.

New: The numeric value of the patient's end-tidal CO2 level.

New Comment

New: Generally the numeric CO2 level is measured in millimeters of mercury (mmHg). End-tidal is the same as exhaled.

eVitals.17 – Carbon Monoxide (CO)

Definition Change

Old: The patient's carbon monoxide level measured in parts per million (ppm).

New: The patient's carbon monoxide level measured in %COHb.

eVitals.GlasgowScoreGroup

Documentation Tag Change

Old: Group Tag to hold the details of patient's glasgow score.

New: Group Tag to hold the details of patient's glasgow coma scale.

eVitals.25 – Temperature Method

New Code

Code: 3325017

Description: Skin Probe

eVitals.27 –Pain Scale

Name Change

Old: Pain Scale

New: Pain Scale Score

eVitals.29 –Stroke Scale Score

Definition Change

Old: The patient's Stroke Scale Results.

New: The findings or results of the Stroke Scale Type (eVitals.30) used to assess the patient exhibiting stroke-like symptoms.

eVitals.30 – Stroke Scale Type

Code Added

Code: 3330013

Description: F.A.S.T. Exam